


**2018 REGULAR SESSION
ACTUARIAL NOTE SB 5**

<p>Senate Bill 5 SLS 18RS-50 Original</p> <p>Author: Senator Peacock Date: March 5, 2018 LLA Note SB 5.01</p> <p>Organizations Affected: Louisiana State Police Retirement System</p> <p>OR INCREASE APV</p>	<p>This Note has been prepared by the Actuarial Services Department of the Legislative Auditor with assistance from either the Fiscal Notes staff of the Legislative Auditor or staff of the Legislative Fiscal Office. The attachment of this Note provides compliance with the requirements of R.S. 24:521 as amended by Act 353 of the 2016 Regular Session.</p> <div style="text-align: center;">  Paul T. Richmond, ASA, MAAA, EA Manager Actuarial Services </div>
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Bill Header: STATE POLICE RET FUND: Provides for the qualification for survivor benefits. (2/3 - CA10s29(F)) (gov sig).

Cost Summary:

The estimated actuarial and fiscal impact of SB 5 on the retirement systems and their plan sponsors is summarized below. Actuarial costs pertain to estimated changes in the *actuarial present value of future benefit payments*. Fiscal costs or savings pertain to changes to all cash flows over the next five year period including retirement system cash flows, OPEB cash flows, or cash flows related to other government entities.

An increase in actuarial costs is denoted throughout the actuarial note by “Increase” or a positive number. Actuarial savings are denoted by “Decrease” or a negative number. An increase in expenditures or revenues (fiscal impact) is denoted by “Increase” or a positive number. A decrease in expenditures or revenues is denoted by “decrease” or a negative number.

Estimated Actuarial Impact:

The top part of the following chart shows the estimated change in the *actuarial present value of future benefit payments and expenses*, if any, attributable to the proposed legislation. The bottom part shows the effect on cash flows.

Actuarial Costs Pertaining to:		Actuarial Cost
The Retirement Systems		Increase
Other Post Employment Benefits (OPEB)		0
Other Government Entities		0
Total		Increase
Five Year Fiscal Cost Pertaining to:	Expenses	Revenues
The Retirement Systems	Increase	Increase
Other Post Employment Benefits	0	0
Other Government Entities	0	0
Total	Increase	Increase

This bill is subject to the Louisiana Constitution which requires unfunded liabilities created by an improvement in retirement benefits to be amortized over a period not to exceed ten years.

Bill Information

Current Law

Current law provides that the surviving spouse of a deceased retiree of the Louisiana State Police Retirement System (LSPRS) will receive a pension based on the amount the deceased retiree was receiving at the date of death.

For the surviving spouse of a deceased retired employee who was hired on or before December 31, 2010, the amount is equal to the monthly retirement pay that was being paid to the decedent on the date of death, providing the following conditions are met:

1. The surviving spouse was married to the deceased retiree for at least two years prior to the retiree’s death; and
2. The surviving spouse was living with the deceased retiree at the time of death.

For the surviving spouse of a deceased retired employee who was hired on or after January 1, 2011, the amount is equal to seventy-five percent of the monthly retirement pay that was being paid to the decedent on the date of death, providing the surviving spouse was married to the deceased retiree for at least two years prior to the retiree’s death. There is no requirement that the surviving spouse was living with the deceased retiree at the time of death.

Proposed Law

SB 5 will remove the requirement that the surviving spouse be living with the deceased retiree at the time of death for retired employees who were hired on or before December 31, 2010.

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Implications of the Proposed Changes

Removing the condition that a surviving spouse has to be living with the deceased retiree at the time of death will allow more surviving spouses to be eligible for a death benefit. For example, if either the retiree or the surviving spouse is living in a nursing home, they would not be living together. SB 5 would allow the benefit to continue to the surviving spouse in this situation.

I. ACTUARIAL ANALYSIS SECTION

**A. Analysis of Actuarial Costs
(Prepared by LLA)**

This section of the actuarial note pertains to actuarial costs or savings associated with the retirement systems, with OPEB, and with other government entities.

1. Retirement Systems

The actuarial cost of SB 5 associated with LSPRS will increase. Our analysis is summarized below.

SB 5 will increase the number of death benefits payable since more surviving spouses will be eligible to receive the benefit. Under the current law, some surviving spouses were not eligible to receive a death benefit since they were not technically living at the same address as the deceased retiree for some reason, even though they were still married.

Example: A member of LSPRS retired on January 1, 2009 and is receiving a pension of \$40,000 a year. The retired member is married. However, he is in a nursing home.

Under **Current Law** the surviving spouse will not receive any death benefits since she was not considered to be living with the deceased retiree at the time of death and the payments will stop.

Under **SB 5** the surviving spouse will receive a death benefit since that benefit is not conditioned on her living with the deceased retiree. The payments will continue and she will receive \$40,000 a year.

2. Other Post-Employment Benefits (OPEB)

The actuarial cost or savings of SB 5 associated with OPEB, including retiree health insurance premiums, is estimated to be \$0. Our analysis is summarized below.

The liability for post-retirement medical insurance protection provided to retirees is not affected by removing a condition for a surviving spouse to receive a death benefit.

3. Other Government Entities

The actuarial cost or savings of SB 5 associated with government entities other than those identified in SB 5, is estimated to be \$0. Our analysis is summarized below.

SB 5 only pertains to LSPRS and the state as its sponsor. SB 5 does not affect any other government entity.

**B. Actuarial Data, Methods and Assumptions
(Prepared by LLA)**

Unless indicated otherwise, the actuarial note for SB 5 was prepared using actuarial data, methods, and assumptions as disclosed in the most recent actuarial valuation report adopted by PRSAC. The data, methods and assumptions are being used to provide consistency with the actuary for the retirement system who may also be providing testimony to the Senate and House retirement committees.

**C. Actuarial Caveat
(Prepared by LLA)**

There is nothing in SB 5 that will compromise the signing actuary's ability to present an unbiased statement of actuarial opinion.

II. FISCAL ANALYSIS SECTION

Tables A, B, C, and D have been prepared by the LLA. These tables include information developed by the LLA from its own sources as well as information supplied by Tanesha Morgan of the Legislative Fiscal Office (LFO). Table D includes all costs and savings pertaining to Louisiana government.

The LFO has requested that the information supplied by Tanesha Morgan be included in the actuarial note verbatim and without any changes. This information is shown below under Fiscal Costs Received by the LLA from the LFO. The reader should note that complete fiscal cost information is contained within Table D. Fiscal costs developed by the LFO only reflect the portion of Table D that was supplied by the LFO.

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Table A pertains to fiscal costs or savings associated with the retirement systems; Table B pertains to OPEB; Table C pertains to fiscal costs associated with government entities other than the retirement systems and sponsors. Table D is the cumulative sum of Tables A, B, and C.

**A. Estimated Fiscal Impact – Retirement Systems
(Prepared by LLA)**

1. Narrative

Table A shows the estimated fiscal impact of the proposed legislation on the retirement systems and the government entities that sponsor them. Fiscal costs and savings include both administrative and actuarial costs and savings. A fiscal cost is denoted by “Increase” or a positive number. Fiscal savings are denoted by “Decrease” or a negative number. A revenue increase is denoted by “Increase” or a positive number. A revenue decrease is denoted by “Decrease” or a negative number.

Retirement System Fiscal Cost: Table A

EXPENDITURES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	Increase	Increase	Increase	Increase	Increase
Agy Self Generated	Increase	Increase	Increase	Increase	Increase	Increase
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	Increase	Increase	Increase	Increase	Increase	Increase

REVENUES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	Increase	Increase	Increase	Increase	Increase
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	Increase	Increase	Increase	Increase	Increase

SB 5 will have the following effects on retirement related fiscal costs and revenues during the five year measurement period.

2. Expenditures:

- a. Expenditures from the General Fund will increase to the extent that employer contribution requirements increase to accommodate more benefits paid to surviving spouses. These expenditures are expected to be small.
- b. Expenditures from LSPRS (Agy Self-Generated) will increase to the extent that more benefits will be paid to surviving spouses.

3. Revenues:

- a. LSPRS revenues (Agy Self-Generated) will increase to the extent that employer contributions increase to accommodate more benefits payable to surviving spouses.

**B. Estimated Fiscal Impact – OPEB
(Prepared by LLA)**

1. Narrative

Table B shows the estimated fiscal impact of SB 5 on actuarial costs or savings associated with OPEB and the government entities that sponsor these benefit programs. Fiscal costs or savings in Table B include administrative costs associated with the government entity sponsoring the OPEB program. A fiscal cost is denoted by “Increase” or a positive number. Fiscal savings are denoted by “Decrease” or a negative number. A revenue increase is denoted by “Increase” or a positive number. A revenue decrease is denoted by “Decrease” or a negative number.

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OPEB Fiscal Cost: Table B

EXPENDITURES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	0	0	0	0	0
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

REVENUES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	0	0	0	0	0
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

SB 5 will have no effect on OPEB related fiscal costs and revenues during the five year measurement period.

C. Estimated Fiscal Impact: Other Government Entities (unrelated to the retirement systems or OPEB)
(Prepared by the LLA using information supplied by the LFO)

1. Narrative

From time to time, legislation is proposed that has an indirect effect on cash flows associated with other government entities, unrelated to the retirement systems or OPEB. Table C shows the estimated fiscal impact (administrative and actuarial) of SB 5 on such government entities. A fiscal cost is denoted by "Increase" or a positive number. Fiscal savings are denoted by "Decrease" or a negative number.

Fiscal Costs for Other Government Entities: Table C

EXPENDITURES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	0	0	0	0	0
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

REVENUES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	0	0	0	0	0
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

SB 5 will have the following effects on fiscal costs and revenues related to government entities other than LSPRS and its sponsors during the five year measurement period.

2. Expenditures:

a. There is no anticipated material effect on expenditures for governmental entities other than the retirement systems and their sponsors.

3. Revenues:

a. There is no anticipated material effect on revenues for governmental entities other than the retirement systems and their sponsors.

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**D. Estimated Fiscal Impact – All Retirement Systems, OPEB, and All Government Entities
(Prepared by LLA)**

1. Narrative

Table D shows the estimated fiscal impact of SB 5 on all government entities within the state of Louisiana. Cell values in Table D are the sum of the respective cell values in Table A, Table B, and Table C. A fiscal cost is denoted by “Increase” or a positive number. Fiscal savings are denoted by “Decrease” or a negative number. A revenue increase is denoted by “Increase” or a positive number. A revenue decrease is denoted by “Decrease” or a negative number.

Total Fiscal Cost: Table D (Cumulative Costs from Tables A, B, & C)

EXPENDITURES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	Increase	Increase	Increase	Increase	Increase
Agy Self Generated	Increase	Increase	Increase	Increase	Increase	Increase
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	Increase	Increase	Increase	Increase	Increase

REVENUES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	Increase	Increase	Increase	Increase	Increase
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	Increase	Increase	Increase	Increase	Increase

Fiscal Costs Received by the LLA from the LFO

1. Narrative

Present law provides that the surviving spouse of a deceased retiree of the State Police Retirement System shall receive a monthly pension provided certain conditions are met. Present law provides that the surviving spouse of a decedent whose retirement occurred on or before December 31, 2010, must have been living with the decedent at the time of death to receive a benefit. Proposed law removes the provision that the surviving spouse of a decedent whose retirement occurred on or before December 31, 2010, must have been living with the decedent at the time of death to receive a benefit.

Fiscal Costs for Other Government Entities

EXPENDITURES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	0	0	0	0	0
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

REVENUES	2018-19	2019-2020	2020-2021	2021-2022	2022-23	5 Year Total
State General Fund	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Agy Self Generated	0	0	0	0	0	0
Stat Deds/Other	0	0	0	0	0	0
Federal Funds	0	0	0	0	0	0
Local Funds	0	0	0	0	0	0
Annual Total	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

SB 5 will have the following effects on fiscal costs and revenues related to other government entities during the five year measurement period.

3. Expenditures:

There is no anticipated direct material effect on governmental expenditures as a result of this measure.

4. Revenues:

There is no anticipated direct material effect on governmental revenues as a result of this measure.

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Credentials of the Signatory Staff:

Paul T. Richmond is the Manager of Actuarial Services for the Louisiana Legislative Auditor. He is an Enrolled Actuary, a member of the American Academy of Actuaries, a member of the Society of Actuaries and has met the Qualification Standards of the American Academy of Actuaries necessary to render the actuarial opinion contained herein.

John D. Carpenter, Legislative Fiscal Officer has supervised the preparation of the fiscal analyses contained herein.

Information Pertaining to Article (10)(29(F) of the Louisiana Constitution

SB 5 contains a retirement system benefit provision having an actuarial cost.

There will be more survivor benefits paid with the enactment of SB 5 than what would be paid without SB 5.

Dual Referral Relative to Total Fiscal Costs or Total Cash Flows:

The information presented below is based on information contained in Table D for the first three years following the 2018 regular session.

Senate

House

13.5.1 Applies to Senate or House Instruments.
If an annual fiscal cost \geq \$100,000, then bill is dual referred to:
Dual Referral: Senate Finance

6.8F Applies to Senate or House Instruments.
If an annual General Fund fiscal cost \geq \$100,000, then the bill is dual referred to:
Dual Referral to Appropriations

13.5.2 Applies to Senate or House Instruments.
If an annual tax or fee change \geq \$500,000, then the bill is dual referred to:
Dual Referral: Revenue and Fiscal Affairs

6.8G Applies to Senate Instruments only.
If a net fee decrease occurs or if an increase in annual fees and taxes \geq \$500,000, then the bill is dual referred to:
Dual Referral: Ways and Means