


**2017 REGULAR SESSION  
ACTUARIAL NOTE HB 21**

<p>House Bill 21 HLS 17RS-308 Enrolled</p> <p><b>Author: Representative Mark Abraham</b> <b>Date: May 26, 2017</b> <b>LLA Note HB 21.03</b></p> <p><b>Organizations Affected:</b> <b>Firefighters' Retirement System</b></p> <p><b>EN NO IMPACT APV</b></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;">   <b>Paul T. Richmond, ASA, MAAA, EA</b>  <b>Manager Actuarial Services</b> </div>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Bill Header:** RETIREMENT/FIREFIGHTERS: Provides relative to irrevocability of optional beneficiary designation.

**Cost Summary:**

The estimated actuarial and fiscal impact of HB 21 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.

<b>Actuarial Costs Pertaining to:</b>	<b>Actuarial Cost</b>	
The Retirement Systems		\$0
Other Post- Employment Benefits (OPEB)		0
Other Government Entities		<u>0</u>
Total		\$0
	<b>Fiscal Costs</b>	
<b>Five Year Fiscal Cost Pertaining to:</b>	<b>Expenses</b>	<b>Revenues</b>
The Retirement Systems	\$0	\$0
Other Post-Employment Benefits	0	0
Other Government Entities	<u>0</u>	<u>0</u>
Total	\$0	\$0

**Bill Information**

**Current Law**

Some members of the Firefighters' Retirement System have claimed that they have the right to name another beneficiary under Option 2, 3, or 4 if the beneficiary dies. FRS has never administered plan benefits in this manner. FRS has always claimed the beneficiary designation under Option 2, 3, and 4 are irrevocable.

**Proposed Law**

HB 21 merely codifies into law FRS' interpretation that the beneficiary election under Option 2, 3, and 4 is irrevocable.

**Implications of the Proposed Changes**

Enactment of HB 21 will eliminate arguments about the beneficiary election. Following the enactment of HB 21, it will be clear that the beneficiary election is irrevocable.

**I. ACTUARIAL ANALYSIS SECTION**

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

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

**2017 REGULAR SESSION  
ACTUARIAL NOTE HB 21**

**1. Retirement Systems**

The actuarial cost of HB 21 associated with the retirement systems is estimated to be \$0. Our analysis is summarized below.

There is no actuarial present value cost or savings associated with the enactment of HB 21. Nor are there any actuarial fiscal costs or savings associated with HB 21.

**2. Other Post-Employment Benefits (OPEB)**

The actuarial cost of HB 21 associated with OPEB, including retiree health insurance premiums, is estimated to be \$0. Our analysis is summarized below.

There is no actuarial present value cost or savings associated with the enactment of HB 21. Nor are there any actuarial fiscal costs or savings associated with HB 21.

**3. Other Government Entities**

The actuarial cost of HB 21 associated with government entities other than those identified in HB 21, is estimated to be \$0. The actuary's analysis is summarized below.

There are no actuarial present value costs or savings associated with the enactment of HB 21. Nor are there any actuarial fiscal costs or savings associated with the enactment of HB 21.

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

Unless indicated otherwise, the actuarial note for HB 21 was prepared using actuarial data, methods and assumptions as disclosed in the most recent actuarial valuation reports 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 HB 21 that will compromise the signing actuary's ability to present an unbiased statement of actuarial opinion.

**II. FISCAL ANALYSIS SECTION**

This section of the actuarial note pertains to fiscal costs or savings associated with the retirement systems (Table A), with OPEB (Table B), and with other fiscal costs or savings attributable to government entities not associated with either the retirement systems or OPEB (Table C). Fiscal costs or savings reflect all forms of cash flow including benefit costs or savings, administrative costs or savings, or any other identifiable type of fiscal cost or savings. The total effect of HB 21 on fiscal costs, fiscal savings, or cash flows is presented in Table D.

HB 21 has no fiscal impact on any entity of Louisiana government. There is no fiscal impact on FRS, no impact on plan sponsors, no impact on OPEB sponsors, and no impact on any other government entity.

**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. 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.

Table A shows the estimated fiscal impact of the proposed legislation on the retirement systems and the government entities that sponsor them. The impact on fiscal information in Table A includes administrative costs or savings associated with the retirement system and the sponsoring government entities.

HB 21 will have no effect on fiscal costs or savings related to FRS or its sponsors during the five year measurement period.

**2017 REGULAR SESSION  
ACTUARIAL NOTE HB 21**

**Fiscal costs for the Retirement Systems and Their Sponsors: Table A**

<b>EXPENDITURES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

<b>REVENUES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

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

1. Narrative

Table B shows the estimated fiscal impact of HB 21 on 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 or savings 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.

HB 21 will have no effect on fiscal costs or savings related to OPEB or to sponsors of OPEB programs.

**OPEB Fiscal Cost: Table B**

<b>EXPENDITURES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

<b>REVENUES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

**C. Estimated Fiscal Impact: Other Government Entities (unrelated to the retirement systems or OPEB)  
(Prepared by Mike Battle, Audit Manager for the LLA)**

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 of HB 21 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.

**2017 REGULAR SESSION  
ACTUARIAL NOTE HB 21**

**Fiscal Costs for Other Government Entities: Table C**

<b>EXPENDITURES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

<b>REVENUES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

HB 21 will have the following effects on fiscal costs and revenues related to other government entities during the five year measurement period.

2. Expenditures:

**There is no anticipated indirect material effect on the expenditures of local governmental entities (e.g., fire districts) as a result of this measure.** This bill prohibits members of the Firefighters’ Retirement System from changing beneficiaries on or after the date the first benefit payments become due when a certain retirement payment option has been selected. Based on information from the Firefighters’ Retirement System, Louisiana State Firemen’s Association, Louisiana Municipal Association, and St. George Fire Department, it appears that this bill will not impact the expenditures of other governmental entities.

3. Revenues:

**There is no anticipated indirect material effect on the revenues of local governmental entities (e.g., fire districts) as a result of this measure.** This bill prohibits members of the Firefighters’ Retirement System from changing beneficiaries on or after the date the first benefit payments become due when a certain retirement payment option has been selected. Based on information from the Firefighters’ Retirement System, Louisiana State Firemen’s Association, Louisiana Municipal Association, and St. George Fire Department, it appears that this bill will not impact the revenues of other governmental entities.

**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 HB 21 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)**

<b>EXPENDITURES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

<b>REVENUES</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>5 Year Total</b>
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

**2017 REGULAR SESSION  
ACTUARIAL NOTE HB 21**

**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.

Mike Battle, Audit Manager for the Louisiana Legislative Auditor has supervised the preparation of the fiscal analyses contained in Section II; Subsection C.

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

HB 21 contains a retirement system benefit provision having an actuarial cost.

No member of FRS will receive a larger benefit with the enactment of HB 21 than what he would have received without HB 21.

**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 2017 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**