STOUGHTON VOLUNTEER FIRE RETIREMENT FUND

GASB 73 DISCLOSURE
Fiscal Years: 2021 and 2022

Prepared by

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Certification

Actuarial computations presented in this report under Statement No. 73 of the Governmental Accounting Standards Board are for purposes of assisting the Fund in fulfilling its financial accounting requirements. No attempt is being made to offer any accounting opinion or advice. This report is for fiscal years January 1, 2021 to December 31, 2021 and January 1, 2022 to December 31, 2022. The reporting dates are December 31, 2021 and December 31, 2022, respectively. The calculations enclosed in this report have been made on a basis consistent with our understanding of the plan provisions. Determinations for purposes other than meeting financial reporting requirements may be significantly different than the results contained in this report. Accordingly, additional determinations may be needed for other purposes, such as judging benefit security or meeting employer funding requirements.

In preparing this report, we relied, without audit, on information as of December 31, 2020 furnished by the Fund. This information includes, but is not limited to, statutory provisions, member census data, and financial information. The membership as of December 31, 2020 includes 34 active participants and 26 retirees and surviving spouses.

We performed a limited review of the census and financial information used directly in our analysis and have found them to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete our results may be different and our calculations may need to be revised.

We hereby certify that, to the best of our knowledge, this report, including all costs and liabilities based on actuarial assumptions and methods, is complete and accurate and determined in conformance with generally recognized and accepted actuarial principles and practices, which are consistent with the Actuarial Standards of Practice promulgated by the Actuarial Standards Board and the applicable Code of Professional Conduct, amplifying Opinions and supporting Recommendations of the American Academy of Actuaries.

This valuation report is only an estimate of the plan's financial condition as of a single date. It can neither predict the plan's future condition nor guarantee future financial soundness. Actuarial valuations do not affect the ultimate cost of plan benefits, only the timing of plan contributions. While the valuation is based on an array of individually reasonable assumptions, other assumption sets may also be reasonable and valuation results based on those assumptions would be different. No one set of assumptions is uniquely correct. Determining results using alternative assumptions is outside the scope of our engagement.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as, but not limited to, the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan’s funded status); and changes in plan provisions or applicable law. Due to the limited scope of the actuarial assignment, we did not perform an analysis of the potential range of such future measurements.

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The valuation results have been developed using models employing standard actuarial techniques. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice. The models, including all input, calculations, and output may not be appropriate for any other purpose.

Milliman's work is prepared solely for the internal use and benefit of Stoughton Volunteer Fire Retirement Fund. To the extent that Milliman's work is not subject to disclosure under applicable public records laws, Milliman's work may not be provided to third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work product. Milliman's consent to release its work product to any third party may be conditioned on the third party signing a Release, subject to the following exceptions: (a) the Plan Sponsor may provide a copy of Milliman's work, in its entirety, to the Plan Sponsor's professional service advisors who are subject to a duty of confidentiality and who agree to not use Milliman's work for any purpose other than to benefit the Fund; and (b) the Plan Sponsor may provide a copy of Milliman's work, in its entirety, to other governmental entities, as required by law.

This report and its use are subject to the terms of our Consulting Services Agreement with the Fund dated December 13, 2017.

No third party recipient of Milliman's work product should rely upon Milliman's work product. Such recipients should engage qualified professionals for advice appropriate to their specific needs.

The consultants who worked on this assignment are actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

The signing actuary is independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

I, John M. Chmielewski, am an actuary for Milliman, Inc. I am a member of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

John M. Chmielewski, FSA, EA, MAAA
Principal and Consulting Actuary

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Overview of GASB 73

The Governmental Accounting Standards Board (GASB) released a new accounting standard for certain public pension plans and participating employers in 2015. This standard, GASB Statement No. 73, has substantially revised the accounting requirements previously mandated under GASB Statements No. 25 and 27. The most notable change is the distinct separation of funding from financial reporting. The Annual Required Contribution (ARC) has been eliminated under GASB 73 and is no longer relevant for financial reporting purposes. As a result, plan sponsors have been encouraged to establish a formal funding policy that is separate from financial reporting calculations.

GASB Statement 73 is for accounting and financial reporting for pensions not within the scope of GASB Statement 68, and applies for employer fiscal years beginning after June 15, 2016. GASB 73 applies to retirement plans (both defined benefit and defined contribution) that either do not have any dedicated assets associated with them or have assets that are not in a trust meeting certain requirements. With no assets in an irrevocable trust, the entire total pension liability is shown on the employer's balance sheet under GASB 73.

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Executive Summary

Relationship Between Valuation Date, Measurement Date, and Reporting Date

The Valuation Date is December 31, 2020. This is the date as of which the actuarial valuation is performed. The Measurement Dates are December 31, 2020 and December 31, 2021. The Measurement Date is the date as of which the total Pension liability is determined. The Reporting Dates are December 31, 2021 and December 31, 2022. The Reporting Date is the plan's and/or employer's fiscal year ending date.

Significant Changes

There have been no significant changes between the valuation date and fiscal year end.

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Total Pension Liability

Total Pension Liability	December 31, 2021	December 31, 2022
Total pension liability	$1,196,146	$1,239,426
Covered payroll	N/A	N/A
Total pension liability as a % of covered payroll	N/A	N/A

The total pension liability was determined by an actuarial valuation as of the valuation date, calculated based on the discount rate and actuarial assumptions below, and was then projected forward to the measurement date. Any significant changes during this period have been reflected as prescribed by GASB 73.

Discount Rate

Discount rate	2.12%	2.06%
20 Year Tax-Exempt Municipal Bond Yield	2.12%	2.06%

The discount rate was based on the 20-year Bond Buyer GO Index.

Other Key Actuarial Assumptions

The actuarial assumptions that determined the total pension liability as of December 31, 2021 and December 31, 2022 were based on the results of an actuarial experience study for the period 2018-2020 for the Wisconsin Retirement System (WRS).

Valuation date	December 31, 2020	December 31, 2020
Measurement date	December 31, 2020	December 31, 2021
Salary increases including inflation	2.30%	2.30%
Mortality	WRS; see "Actuarial Assumptions" for details	WRS; see "Actuarial Assumptions" for details
Actuarial cost method	Entry Age Normal	Entry Age Normal

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Changes in Total Pension Liability

Changes in Total Pension Liability	Increase (Decrease) Total Pension Liability	
	2021	**2022**
Beginning of Year Balances	$1,067,144	$1,196,146
Changes for the year:		
Service cost	31,013	43,905
Interest on total Pension liability	29,603	25,891
Effect of plan changes	0	0
Effect of economic/demographic gains or losses	(10,613)	0
Effect of assumptions changes or inputs	114,780	11,186
Benefit payments	(35,781)	(37,702)
End of Year Balances	1,196,146	1,239,426

Changes in Total Pension Liability

The following presents the Total Pension Liability of the Fund, calculated using a discount rate that is 1 percentage point lower or 1 percentage point higher than the current rate.

	2021		
	1% Decrease 1.12%	Discount Rate 2.12%	1% Increase 3.12%
Total Pension Liability	$1,400,567	$1,196,146	$1,034,640

	2022		
	1% Decrease 1.06%	Discount Rate 2.06%	1% Increase 3.06%
Total Pension Liability	$1,451,825	$1,239,426	$1,071,892

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Schedule of Changes in Total Pension Liability and Related Ratios
(in 1,000s)

	Fiscal Year Ending December 31									
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Total OPEB Liability*										
Service cost	$44	$31	$21	$47	$41	$42	N/A	N/A	N/A	N/A
Interest on total Pension liability	26	30	36	49	49	46	N/A	N/A	N/A	N/A
Changes of benefit terms	0	0	0	0	0	0	N/A	N/A	N/A	N/A
Effect of economic/demographic gains or (losses)	0	(11)	0	(344)	0	0	N/A	N/A	N/A	N/A
Effect of assumption changes or inputs	11	115	179	(236)	72	(42)	N/A	N/A	N/A	N/A
Benefit payments	(38)	(36)	(36)	(40)	(38)	(37)	N/A	N/A	N/A	N/A
Net change in total OPEB liability	43	129	199	(524)	123	9	N/A	N/A	N/A	N/A
Total Pension liability, beginning	1,196	1,067	868	1,392	1,269	1,260	N/A	N/A	N/A	N/A
Total Pension liability, ending	1,239	1,196	1,067	868	1,392	1,269	N/A	N/A	N/A	N/A
Covered payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total OPEB liability as a % of covered payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

This schedule is presented to illustrate the requirement to show information for 10 years. However, recalculations of prior years are not required, and if prior years are not reported in accordance with the current GASB standards, they should not be reported.

*** Due to rounding, values may not add correctly.**

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Pension Expense

Pension Expense	January 1, 2021 to December 31, 2021	January 1, 2022 to December 31, 2022
Service cost	$31,013	$43,905
Interest on total Pension liability	29,603	25,891
Effect of plan changes	0	0
Recognition of Deferred Inflows/Outflows of Resources		
Recognition of economic/demographic gains or losses	(47,886)	(47,886)
Recognition of assumption changes or inputs	11,906	13,426
Pension Expense	24,636	35,336

As of December 31, 2021, the deferred inflows and outflows of resources are as follows:

Deferred Inflows / Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources
Differences between expected and actual experience	($213,523)	$0
Changes of assumptions	(153,396)	261,556
Contributions made subsequent to measurement date	0	*
Total	(366,919)	261,556

As of December 31, 2022, the deferred inflows and outflows of resources are as follows:

Deferred Inflows / Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources
Differences between expected and actual experience	($165,637)	$0
Changes of assumptions	(115,683)	221,603
Contributions made subsequent to measurement date	0	*
Total	(281,320)	221,603

* Any employer contributions subsequent to the measurement date should be reported under deferred outflows of resources and recognized as a reduction of the net Pension liability.

Amounts currently reported as deferred outflows of resources and deferred inflows of resources related to other postemployment benefits will be recognized in Pension expense as follows:

Year ending December 31:	**2021**	Year ending December 31:	**2022**
2022	($35,980)	2023	($34,460)
2023	(35,980)	2024	(30,045)
2024	(31,565)	2025	(36,169)
2025	(37,689)	2026	8,468
2026	6,948	2027	25,327
Thereafter*	28,903	Thereafter*	7,162

* Note that additional future deferred inflows and outflows of resources may impact these numbers.

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Schedule of Deferred Inflows and Outflows of Resources
For Fiscal Year Ending December 31, 2021

	Original Amount	Date Established	Original Rec. Period*	Amount Recognized in 12/31/2021 Expense	Amount Recognized through 12/31/2021	Balance of Deferred Inflows 12/31/2021	Balance of Deferred Outflows 12/31/2021
Economic/ demographic (gains) or losses	($10,613)	12/31/2021	7.36	($1,442)	($1,442)	($9,171)	$0
	$0	12/31/2020	7.40	0	0	0	0
	($343,684)	12/31/2019	7.40	(46,444)	(139,332)	(204,352)	0
		Total		(47,886)	(140,774)	(213,523)	0
Assumption changes or inputs	114,780	12/31/2021	7.36	15,595	15,595	0	99,185
	178,613	12/31/2020	7.40	24,137	48,274	0	130,339
	(236,108)	12/31/2019	7.40	(31,906)	(95,718)	(140,390)	0
	71,580	12/31/2018	7.24	9,887	39,548	0	32,032
	(42,041)	12/31/2017	7.24	(5,807)	(29,035)	(13,006)	0
		Total		11,906	(21,336)	(153,396)	261,556
Total for economic/demographic gains or losses and assumption changes or inputs						(366,919)	261,556
Total net deferrals							(105,363)

* Economic/demographic (gains)/losses and assumption changes or inputs are recognized over the average remaining service life for all active and inactive members.

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Schedule of Deferred Inflows and Outflows of Resources
For Fiscal Year Ending December 31, 2022

	Original Amount	Date Established	Original Rec. Period*	Amount Recognized in 12/31/2022 Expense	Amount Recognized through 12/31/2022	Balance of Deferred Inflows 12/31/2022	Balance of Deferred Outflows 12/31/2022
Economic/ demographic (gains) or losses	$0	12/31/2022	7.36	$0	$0	$0	$0
	($10,613)	12/31/2021	7.36	(1,442)	(2,884)	(7,729)	0
	$0	12/31/2020	7.40	0	0	0	0
	($343,684)	12/31/2019	7.40	(46,444)	(185,776)	(157,908)	0
		Total		(47,886)	(188,660)	(165,637)	0
Assumption changes or inputs	11,186	12/31/2022	7.36	1,520	1,520	0	9,666
	114,780	12/31/2021	7.36	15,595	31,190	0	83,590
	178,613	12/31/2020	7.40	24,137	72,411	0	106,202
	(236,108)	12/31/2019	7.40	(31,906)	(127,624)	(108,484)	0
	71,580	12/31/2018	7.24	9,887	49,435	0	22,145
	(42,041)	12/31/2017	7.24	(5,807)	(34,842)	(7,199)	0
		Total		13,426	(7,910)	(115,683)	221,603
Total for economic/demographic gains or losses and assumption changes or inputs						(281,320)	221,603
Total net deferrals							(59,717)

* Economic/demographic (gains)/losses and assumption changes or inputs are recognized over the average remaining service life for all active and inactive members.

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Pension Liability and Expense Summary

	Total Pension Liability	Deferred Inflows	Deferred Outflows	Net Deferrals	Total Pension Liability plus Net Deferrals	Annual Expense
Balances as of December 31, 2020	($1,067,144)	($441,905)	$196,395	($245,510)	($1,312,654)	
Service cost	(31,013)					31,013
Interest on total Pension liability	(29,603)					29,603
Effect of plan changes	0					0
Effect of liability gains or losses	10,613	(10,613)		(10,613)		
Effect of assumption changes or inputs	(114,780)		114,780	114,780		
Benefit payments	35,781				35,781	
Recognition of liability gains or losses		47,886		47,886		(47,886)
Recognition of assumption changes or inputs		37,713	(49,619)	(11,906)		11,906
Annual expense					(24,636)	24,636
Balances as of December 31, 2021	(1,196,146)	(366,919)	261,556	(105,363)	(1,301,509)	

	Total Pension Liability	Deferred Inflows	Deferred Outflows	Net Deferrals	Total Pension Liability plus Net Deferrals	Annual Expense
Balances as of December 31, 2021	($1,196,146)	($366,919)	$261,556	($105,363)	($1,301,509)	
Service cost	(43,905)					43,905
Interest on total Pension liability	(25,891)					25,891
Effect of plan changes	0					0
Effect of liability gains or losses	0			0		
Effect of assumption changes or inputs	(11,186)		11,186	11,186		
Benefit payments	37,702				37,702	
Recognition of liability gains or losses		47,886		47,886		(47,886)
Recognition of assumption changes or inputs		37,713	(51,139)	(13,426)		13,426
Annual expense					(35,336)	35,336
Balances as of December 31, 2022	(1,239,426)	(281,320)	221,603	(59,717)	(1,299,143)	

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Glossary

Actuarially Determined Contribution	A target or recommended contribution to a defined benefit pension plan for the reporting period, determined based on the funding policy and most recent measurement available when the contribution for the reporting period was adopted.
Deferred Inflows/Outflows of Resources	Portion of changes in net pension liability that is not immediately recognized in Pension Expense. These changes include differences between expected and actual experience, changes in assumptions, and differences between expected and actual earnings on plan investments.
Discount Rate	Single rate of return that, when applied to all projected benefit payments, results in an actuarial present value of projected benefit payments equal to the sum of: 1) The actuarial present value of benefit payments projected to be made in future periods where the plan assets are projected to be sufficient to meet benefit payments, calculated using the Long-Term Expected Rate of Return. 2) The actuarial present value of projected benefit payments not included in (1), calculated using the Municipal Bond Rate.
Fiduciary Net Position	Equal to market value of assets.
Long-Term Expected Rate of Return	Long-term expected rate of return on pension plan investments expected to be used to finance the payment of benefits, net of investment expenses.
Money-Weighted Rate of Return	The internal rate of return on pension plan investments, net of investment expenses.
Municipal Bond Rate	Yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher.
Net Pension Liability	Total Pension Liability minus the Plan's Fiduciary Net Position (unfunded accrued liability).
Projected Benefit Payments	All benefits estimated to be payable through the pension plan to current active and inactive employees as a result of their past service and expected future service.
Service Cost	The portion of the actuarial present value of projected benefit payments that is attributed to a valuation year.
Total Pension Liability	The portion of actuarial present value of projected benefit payments that is attributable to past periods of member service using the Entry Age Normal cost method based on the requirements of GASB 73.

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Summary of Actuarial Assumptions

The following actuarial assumptions were used in the development of the City of Stoughton Volunteer Firefighters Retirement Fund cost projections. Where consistent with the terms of the plan, actuarial assumptions have utilized the assumptions for the Wisconsin Retirement System (WRS). These assumptions were adopted by the Employee Trust Funds Board in connection with a study of experience during 2018-2020. In our opinion, these assumptions are reasonable for the intended purposes of the report. Assumptions regarding future compensation increases are based on recent experience and on our estimates of future experience.

Interest Discount Rate

Measurement Date	Rate
December 31, 2020	2.12%
December 31, 2021	2.06%

Mortality*

Pre-Retirement: This assumption applies to death while in service. Rates are based on the 2020 WRS Experience Table for Active Employees as the base table and projected with mortality improvements using 100% of the fully generational MP-2021 projection scale from a base year of 2010.

Post-Retirement: This assumption applies to death of participants after retirement. Rates are based on the 2020 WRS Experience Table for Healthy Retirees as the base table and projected with mortality improvements using 100% of the fully generational MP-2021 projection scale from a base year of 2010.

Post-Disability: This assumption applies to death after disablement. Rates are based on the 2020 WRS Experience Table for Disabled Retirees as the base table and projected with mortality improvements using 100% of the fully generational MP-2021 projection scale from a base year of 2010.

** Sample rates of base mortality tables projected to 2020 are shown in Appendix A.*

Employee Turnover/Withdrawal

Ten-year select and ultimate rates of WRS for Non-State Protective with Social Security. Ultimate rates after the tenth year are shown in the rate table in Appendix A. Select rates are as follows:

Year	Non-State Protective with Social Security
First	15.6%
Second	9.4%
Third	5.3%
Fourth	4.4%
Fifth	4.2%
Sixth	3.3%
Seventh	3.2%
Eighth	3.0%
Ninth	2.7%
Tenth	2.3%

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Disablement

WRS disability rates for Non-State Protective with Social Security. Rates shown in the rate table in Appendix A.

Retirement

WRS retirement rates for Non-State Protective with Social Security. Rates shown in the rate table in Appendix A.

Salary Adjustment Factors

Volunteer stipends assumed to increase 2.3% annually. For Entry Age Normal calculations, 0% salary increase assumed for projection backwards.

Age Difference of Active Employees and Spouses

Spouses assumed to be the same age as participants.

Changes in Assumptions Since Prior Valuation

The demographic assumptions have been updated based upon the most recent WRS experience study. The discount rate was changed pursuant to GASB 73. The overall impact of the new assumptions is an increase in the benefit obligations.

Rationale for Significant Assumptions:

With any valuation of future benefits, assumptions of anticipated future events are required. If actual events differ from the assumptions made, the actual cost of the plan will vary as well. The following assumptions should be reviewed for appropriateness.

Discount Rate: The discount rate is based upon the Bond Buyer General Obligation 20-Year Municipal Bond Index as of the measurement date.

Demographic Assumptions: Other than the assumptions for compensation increases for volunteer firefighters, we have used the actuarial assumptions used to value liabilities under the Wisconsin Retirement System. The actuary for the system updates assumptions triennially based upon plan experience. Assumed compensation increases for volunteer firefighters is based on past experience.

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Summary of Participant Data

Participant Data: We relied on the following plan participant data as of December 31, 2020.

	Participant Count	Average Age	Average Service	2020 Average Salary
Active Employees	34	44.8	12.1	$1,965
Retirees	26[1]	72.4		

[1] *Includes six surviving spouses*

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Summary of Plan Provisions

Eligibility Requirements and Benefits:

Retirement Benefits

To qualify for a firefighter's pension, a firefighter must serve 22 years and have reached the age of 52 years.

A firefighter with 22 years of service but not yet 52 years of age may retire. When he or she reaches the age of 52 years, he or she will receive 100% of the regular pension.

Only volunteer firefighters are eligible for benefits under this plan.

Disability Benefits

A firefighter disabled (unable to function as a firefighter as certified by a doctor) as a direct result of fire service, regardless of length of service, is eligible for 100% of the regular pension. A firefighter disabled in any other fashion who has served at least 10 years is eligible for 33 1/3% of the regular pension.

Death Benefits

A spouse of a deceased retired firefighter shall receive 65% of the retired firefighter's regular pension. Likewise, the spouse of a deceased active firefighter with at least 10 years of service shall receive 65% of the firefighter's regular pension. The spousal benefits described in this paragraph are forfeit in the event of remarriage.

The spouse of a deceased active firefighter who dies in the line of duty shall receive 100% of the regular pension.

Pension Amounts

A firefighter's regular pension is 100% of their salary at the time of retirement.

A Fire Chief's regular pension is 150% of the salary at the time of retirement.

An Assistant Fire Chief's regular pension is 125% of the salary at the time of retirement.

A Deputy Fire Chief's regular pension is 125% of the salary at the time of retirement.

A Fire Captain's regular pension is 115% of the salary at the time of retirement.

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Appendix A: Rate Tables

Non-State Protective with Social Security

Separations from active status expressed as number of occurrences per 10,000:

	Withdrawal		Early/Normal Retirement		Death		Disability	
Age	Male	Female	Male	Female	Male	Female	Male	Female
25	N/A	N/A	0	0	2	1	2	2
26	N/A	N/A	0	0	2	1	2	2
27	N/A	N/A	0	0	3	1	2	2
28	N/A	N/A	0	0	3	2	2	2
29	N/A	N/A	0	0	3	2	2	2
30	210	210	0	0	3	2	2	2
31	200	200	0	0	4	2	2	2
32	200	200	0	0	4	3	2	2
33	190	190	0	0	4	3	2	2
34	180	180	0	0	5	3	2	2
35	180	180	0	0	5	3	3	3
36	170	170	0	0	5	3	3	3
37	160	160	0	0	5	4	3	3
38	160	160	0	0	6	4	3	3
39	160	160	0	0	6	4	4	4
40	150	150	0	0	6	4	4	4
41	150	150	0	0	6	4	4	4
42	150	150	0	0	7	5	4	4
43	150	150	0	0	7	5	4	4
44	150	150	0	0	7	5	5	5
45	140	140	0	0	8	5	5	5
46	140	140	0	0	8	6	6	6
47	140	140	0	0	9	6	6	6
48	140	140	0	0	10	7	7	7
49	140	140	0	0	11	7	8	8
50	130	130	600	600	12	8	9	9
51	130	130	800	800	13	9	10	10
52	130	130	1,100	1,100	14	10	10	10
53	130	130	3,400	3,400	16	11	53	53
54	130	130	3,200	3,200	17	12	96	96
55	0	0	2,600	2,600	19	13	139	139
56	0	0	2,300	2,300	21	14	181	181
57	0	0	2,700	2,700	23	15	224	224
58	0	0	2,100	2,100	26	17	227	227
59	0	0	2,300	2,300	28	18	230	230

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Non-State Protective with Social Security

Separations from active status expressed as number of occurrences per 10,000:

	Withdrawal		Early/Normal Retirement		Death		Disability	
Age	Male	Female	Male	Female	Male	Female	Male	Female
60	0	0	2,200	2,200	31	20	234	234
61	0	0	3,000	3,000	35	21	0	0
62	0	0	3,500	3,500	38	23	0	0
63	0	0	2,700	2,700	42	25	0	0
64	0	0	3,000	3,000	46	28	0	0
65	0	0	3,400	3,400	50	30	0	0
66	0	0	3,500	3,500	54	33	0	0
67	0	0	3,500	3,500	59	36	0	0
68	0	0	3,500	3,500	64	40	0	0
69	0	0	3,500	3,500	70	45	0	0
70	0	0	10,000	10,000	75	51	0	0
71	0	0	10,000	10,000	81	57	0	0
72	0	0	10,000	10,000	88	65	0	0
73	0	0	10,000	10,000	95	74	0	0
74	0	0	10,000	10,000	102	85	0	0
75	0	0	10,000	10,000	111	97	0	0

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Non-State Protective with Social Security

Separations from retired status expressed as number of occurrences per 10,000:

	Healthy		Disabled	
Age	Male	Female	Male	Female
50	12	9	172	162
51	14	11	183	169
52	16	13	195	178
53	18	16	207	187
54	21	19	221	197
55	25	23	234	207
56	28	25	248	216
57	31	28	261	224
58	34	30	273	231
59	38	33	285	236
60	42	35	296	240
61	47	38	307	243
62	52	40	318	245
63	57	43	329	247
64	62	46	340	249
65	68	50	351	253
66	75	54	362	257
67	83	59	373	264
68	92	65	386	273
69	102	72	399	284
70	114	80	415	299
71	128	91	432	316
72	144	103	452	337
73	162	117	476	362
74	184	134	503	390
75	209	154	535	422
76	238	177	571	459
77	271	204	611	500
78	309	234	657	547
79	352	268	708	598

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Non-State Protective with Social Security

Separations from retired status expressed as number of occurrences per 10,000:

	Healthy		Disabled	
Age	Male	Female	Male	Female
80	400	308	765	656
81	456	352	828	719
82	519	403	899	789
83	592	461	975	866
84	674	527	1,058	950
85	768	601	1,148	1,042
86	874	685	1,245	1,138
87	992	779	1,348	1,235
88	1,123	885	1,460	1,335
89	1,269	1,003	1,599	1,435
90	1,430	1,136	1,753	1,538
91	1,605	1,284	1,910	1,645
92	1,793	1,448	2,068	1,759
93	1,991	1,626	2,226	1,882
94	2,197	1,817	2,386	2,015
95	2,407	2,019	2,547	2,162
96	2,632	2,238	2,727	2,331
97	2,861	2,466	2,916	2,522
98	3,093	2,701	3,118	2,727
99	3,328	2,941	3,335	2,949
100	3,561	3,184	3,561	3,184
101	3,793	3,430	3,793	3,430
102	4,023	3,678	4,023	3,678
103	4,252	3,927	4,252	3,927
104	4,474	4,174	4,474	4,174
105	4,690	4,418	4,690	4,418
106	4,900	4,654	4,900	4,654
107	5,100	4,884	5,100	4,884
108	5,290	5,105	5,290	5,105
109	5,472	5,316	5,472	5,316
110	5,617	5,515	5,617	5,515
111	5,633	5,704	5,633	5,704
112	5,649	5,808	5,649	5,808
113	5,664	5,821	5,664	5,821
114	5,681	5,835	5,681	5,835
115	5,697	5,848	5,697	5,848

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