



PROPOSED CHANGES IN ACTUARIAL ASSUMPTIONS AND METHODS USED IN DETERMINING EMPLOYER CONTRIBUTIONS FOR FISCAL YEARS BEGINNING ON AND AFTER JULY 1, 2018 FOR THE NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM

prepared by the New York City Office of the Actuary December 31, 2018



OFFICE OF THE ACTUARY

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> SHERRY S. CHAN CHIEF ACTUARY

December 31, 2018

Board of Trustees New York City Employees' Retirement System 335 Adams Street, Suite 2300 Brooklyn, NY 11201-3751

Dear Trustees:

This report presents proposed changes in actuarial assumptions and methods used in determining Employer Contributions for Fiscal Years beginning on and after July 1, 2018 for the New York City Employees' Retirement System (2019 A&M).

The following appendices and tables are attached to this letter in support of the proposed 2019 A&M:

- Appendix A summarizes the proposed changes in assumptions and methods.
- Appendix B presents tables of proposed assumptions to be used in determing the Final 2019 Employer Contribution and subsequent Employer Contributions.
- Appendix C contains a draft Resolution to collectively adopt the proposed 2019 A&M.

I, Sherry S. Chan, am the Chief Actuary for, and independent of, the New York City Retirement Systems and Pension Funds. I am a Fellow of the Society of Actuaries, an Enrolled Actuary under the Employee Retirement Income and Security Act of 1974 (ERISA), a Member of the American Academy of Actuaries, and a Fellow of the Conference of Consulting Actuaries. I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein. To the best of my knowledge, the results contained herein have been prepared in accordance with generally accepted actuarial principles and procedures and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. Board of Trustees New York City Employees' Retirement System December 31, 2018 Page 2

If you have any questions, please contact Mr. Michael J. Samet, or me.

Best Regards,

Sherry S. Chan, FSA, EA, MAAA, FCA

Chief Actuary

SC/mm

Att.

cc: Mr. Frankie Chen - New York City Office of the Actuary Ms. Marlene Markoe-Boyd - New York City Office of the Actuary Mr. Sam Rumley - New York City Office of the Actuary Mr. Michael Samet - New York City Office of the Actuary Keith Snow, Esq. - New York City Office of the Actuary Ms. Melanie Whinnery - New York City Employees' Retirement System

Appendix A

APPENDIX A

PROPOSED CHANGES IN ACTUARIAL ASSUMPTIONS AND METHODS USED IN DETERMINING EMPLOYER CONTRIBUTIONS FOR FISCAL YEARS BEGINNING ON AND AFTER JULY 1, 2018 FOR THE NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM

In accordance with the Administrative Code of the City of New York (ACCNY) and with appropriate practice, the Actuary is to periodically review actuarial assumptions for adoption by the Board of Trustees used in determining employer contributions.

This Report proposes, collectively, changes to certain actuarial assumptions and methods to be used in determining employer contributions payable to the New York City Employees' Retirement System (NYCERS) for Fiscal Years beginning on and after July 1, 2018 (i.e. beginning Fiscal Year 2019).

These proposals have been designed to provide for responsible financing of NYCERS while being reasonably consistent with the concepts of intergenerational equity. This Report reflects the best judgment of the Actuary regarding the appropriate financing of NYCERS and takes into account the most recent actuarial experience study and recommendations prepared by Bolton, Inc. (Bolton) in their 10-year experience study ending on June 30, 2017 (Bolton Experience Study).

The Actuary generally agrees with most of the recommendations made by Bolton on demographic and economic assumptions but has refined those recommendations where the Actuary desires to smooth some of the recommended values.

The Actuary also generally agrees with the recommended action by Bolton to keep the Actuarial Interest Rate (AIR) and Consumer Price Inflation (CPI) assumptions unchanged. The Actuary continues to monitor market conditions and other factors that may affect these assumed rates to assess whether any future adjustments are warranted.

Due to the differences in the expected actuarial experience of different employee groups within NYCERS, the Actuary is proposing continuation of separate actuarial assumptions for the following six groups of members:

- General (General)
- Transit Operating (Transit)
- Triborough Bridge and Tunnel Authority (TBTA)
- Sanitation (Sanitation)
- Correction (Correction)
- Housing Police and Transit Police (HP TP) This groups only contains retirees.

In summary, the Actuary proposes the following actions with respect to the current actuarial assumptions and methods of NYCERS used in determining employer contributions for Fiscal Years beginning on and after July 1, 2018 (i.e. beginning in Fiscal Year 2019).

Demographic Assumptions

- <u>Termination</u>:
 - 1. For **General, Transit, TBTA**, and **Correction**, generally increase the current probabilities of Termination based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
 - 2. For **Sanitation**, retain the current probabilities of Termination based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

• Active Service Ordinary Mortality:

- 1. For **General, Transit, TBTA**, and **Correction**, decrease the current probabilities of active service Ordinary Mortality based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary. For **General**, **Transit, and TBTA**, extend probabilities out to reflect expected longer careers.
- 2. For **Sanitation**, retain the current probabilities of active service Ordinary Mortality based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

<u>Active Service Accidental Mortality</u>:

- 1. For **General** and **Sanitation**, retain the current probabilities of active service Accidental Mortality based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary. For **General**, extend probabilities out to reflect expected longer careers.
- For Transit, TBTA, and Correction, decrease the current probabilities of active service Accidental Mortality based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary. For Transit and TBTA, extend probabilities out to reflect expected longer careers.

<u>Active Service Ordinary Disability</u>:

1. For **General**, decrease the current probabilities of active service Ordinary Disability based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to reflect expected longer careers.

- 2. For **Transit, Sanitation**, and **Correction**, retain the current probabilities of active service Ordinary Disability based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary. For **Transit**, extend probabilities out to reflect expected longer careers.
- 3. For **TBTA**, decrease the probabilities of active service Ordinary Disability at younger ages and increase the probabilities of active service Ordinary Disability at older ages based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to reflect expected longer careers.

<u>Active Service Accidental Disability</u>:

- 1. For **General** and **TBTA**, decrease the current probabilities of active service Accidental Disability based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to reflect expected longer careers.
- 2. For **Transit** and **Sanitation**, retain the current probabilities of active service Accidental Disability based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary. For **Transit**, extend probabilities out to reflect expected longer careers.
- 3. For **Correction**, increase the current probabilities of active service Accidental Disability based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

<u>Service Retirement</u>:

1. General

- a. For **members who do not elect an optional retirement program**, revise the current probabilities of Service Retirement in the first year of eligibility and after the first year of eligibility to generally reduce the expected number of such retirements based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to age 80.
- b. For **members who elect an optional retirement program**, retain the current probabilities of Service Retirement in the first year of eligibility and after the first year of eligibility based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to age 80.

c. For **members who are eligible for Early Service Retirement**, revise the current probabilities of Early Service Retirement to generally increase the expected number of such retirements based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

2. Transit

- a. For **members who do not elect an optional retirement program**, increase and retain the current probabilities of Service Retirement in the first year of eligibility and after the first year of eligibility, respectively, through age 61, but decrease the current probabilities of Service Retirement in the first year of eligibility and after the first year of eligibility from age 62 to age 69 based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to age 80.
- b. For **members who elect an optional retirement program**, retain the current probabilities of Service Retirement in the first year of eligibility and after the first year eligibility based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary, and extend probabilities out to age 80.
- c. For **members who are eligible for Early Service Retirement**, retain the current probabilities of Early Service Retirement based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
- 3. **TBTA:** Retain all current probabilities of Service Retirement, and extend probabilities out to age 80 based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

4. Sanitation

- a. For **members who do not elect on optional retirement program**, revise the current probabilities of Service Retirement in the first year of eligibility and after the first year of eligibility to generally reduce the expected number of such retirements based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
- b. For **members who elect an optional retirement program**, retain the current probabilities of Service Retirement in the first year of eligibility

and after the first year of eligibility based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

- c. For **members who are eligible for Early Service Retirement**, revise the current probabilities of Early Service Retirement to generally increase the expected number of such retirements based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
- **5. Correction:** Retain all current probabilities of Service Retirement based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
- **Post-Retirement Mortality**: Revise the existing Base Tables to reflect the findings outlined in the Bolton Experience Study. The Base Tables are adjusted to Calendar Year 2012 expectations as that represents the midpoint of the 10-year experience study. The Valuation Tables are further adjusted by reflecting the application of Mortality Improvement Scale MP-2018 and the Base Tables recommended by Bolton.

Economic Assumptions

- **<u>CPI Assumption</u>**: Retain the current CPI assumption of 2.5% per year.
- **<u>AIR Assumption</u>**: Retain the current AIR assumption of 7.0% per annum, net of Investment Expenses.
- Salary Scale Assumptions:
 - 1. For **General, TBTA**, and **Correction**, retain the current General Wage Increase component of 3.0% and Merit Increase component of the Salary Scale based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
 - 2. For **Transit**, retain the current General Wage Increase component of 3.0%, but generally increase the Merit Increase component of the Salary Scale based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
 - 3. For **Sanitation**, retain the current General Wage Increase component of 3.0%, but generally decrease the Merit Increase component of the Salary Scale based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

• **Overtime Assumptions**:

- 1. For **General**, increase the current Baseline Overtime assumptions based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
- 2. For **Transit, TBTA**, and **Sanitation**, retain all current Baseline Overtime, Dual Service Overtime, and Dual Disability Retirement Overtime assumptions based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.
- 3. For **Correction**, increase the current Baseline Overtime and Dual Service Overtime assumptions, but retain the current Dual Disability Overtime assumptions based on the findings outlined in the Bolton Experience Study and on the experience expected by the Actuary.

Actuarial Methods

The Actuary is proposing no changes to the Actuarial Cost Method, the periods used to amortize changes in the Unfunded Accrued Liability, the Actuarial Asset Valuation Method, or the treatment of Administrative Expenses. The only method change is a technical change to the normal cost calculation under the One-Year Lag Methodology as recommended by Bolton.

Financial Impact

All estimates of employer contributions and changes in employer contributions presented herein have been developed using the Preliminary Fiscal Year 2019 Employer Contribution.

The overall impact of implementing the proposed 2019 A&M would decrease the Final Fiscal Year 2019 Employer Contribution to NYCERS by approximately \$40 million from the Preliminary Fiscal Year 2019 Employer Contribution. **Please note that the change in the Final Fiscal Year 2019 Employer Contribution could differ from this amount due to other refinements in actuarial calculations**.

Appendix B

6.00% 5.00% 4.00% 3.00% 3.00% 3.00% 2.80% 2.60% 2.40%	$\begin{array}{c} 8.40\% \\ 7.00\% \\ 5.60\% \\ 4.20\% \\ 4.20\% \\ 4.20\% \\ 4.00\% \\ 3.80\% \end{array}$
5.00% 4.00% 3.00% 3.00% 2.80% 2.60%	7.00% 5.60% 4.20% 4.20% 4.20% 4.00%
4.00% 3.00% 3.00% 2.80% 2.60%	5.60% 4.20% 4.20% 4.20% 4.00%
3.00% 3.00% 3.00% 2.80% 2.60%	4.20% 4.20% 4.20% 4.00%
3.00% 3.00% 2.80% 2.60%	4.20% 4.00%
2.80% 2.60%	4.00%
2.60%	
	3.80%
2 40%	
4.TU /U	3.60%
2.20%	3.40%
2.00%	3.20%
1.90%	3.00%
1.80%	2.80%
1.70%	2.60%
1.60%	2.40%
1.50%	2.20%
1.40%	2.00%
1.30%	1.80%
1.20%	1.60%
1.10%	1.40%
1.00%	1.40%
	1.60% 1.50% 1.40% 1.30% 1.20% 1.10%

Years of Service	Current	Proposed
0	8.00%	9.00%
1	4.00%	4.50%
2	2.00%	2.00%
3	1.50%	1.50%
4	1.20%	1.25%
5	1.00%	1.10%
6	1.00%	1.10%
7	1.00%	1.10%
8	1.00%	1.10%
9	1.00%	1.10%
10	1.00%	1.10%
11	0.90%	1.00%
12	0.80%	0.90%
13	0.70%	0.80%
14	0.60%	0.70%
15	0.50%	0.55%
16	0.50%	0.55%
17	0.50%	0.55%
18	0.50%	0.55%
19	0.50%	0.55%
≥ 20	0.50%	0.55%

Years of Service	Current	Proposed
0	4.00%	9.00%
1	2.00%	4.50%
2	1.00%	2.00%
3	1.00%	1.50%
4	1.00%	1.25%
5	1.00%	1.10%
6	1.00%	1.10%
7	1.00%	1.10%
8	1.00%	1.10%
9	1.00%	1.10%
10	1.00%	1.10%
11	1.00%	1.00%
12	1.00%	0.90%
13	1.00%	0.80%
14	1.00%	0.70%
15	1.00%	0.55%
16	1.00%	0.55%
17	1.00%	0.55%
18	1.00%	0.55%
19	1.00%	0.55%
≥ 20	1.00%	0.55%

Years of Service	Current & Proposed	
0	4.00%	
1	2.00%	
2	1.00%	
3	1.00%	
4	1.00%	
5	1.00%	
6	0.90%	
7	0.80%	
8	0.70%	
9	0.60%	
10	0.50%	
11	0.50%	
12	0.50%	
13	0.50%	
14	0.50%	
15	0.50%	
16	0.50%	
17	0.50%	
18	0.50%	
19	0.50%	
≥ 20	0.50%	

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

Years of Service	Current	Proposed
0	5.00%	7.50%
1	4.00%	6.00%
2	3.00%	4.50%
3	2.00%	3.00%
4	1.50%	2.25%
5	1.00%	1.50%
6	0.90%	1.35%
7	0.80%	1.20%
8	0.70%	1.05%
9	0.60%	0.90%
10	0.50%	0.75%
11	0.50%	0.75%
12	0.50%	0.75%
13	0.50%	0.75%
14	0.50%	0.75%
15	0.50%	0.75%
16	0.50%	0.75%
17	0.50%	0.75%
18	0.50%	0.75%
19	0.50%	0.75%
≥ 20	0.50%	0.75%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: GENERAL PROBABILITIES OF MORTALITY FOR ACTIVE MEMBERS							
	Ordinary		Ordinary (l		Accidental (Current & Proposed		
Age	Males	Females	Males	Females	Both Genders		
15	NI (A	NI / A	0.02400/	0.01000/	0.00000/		
15 16	N/A N/A	N/A N/A	0.0240% 0.0240%	0.0180% 0.0180%	0.0000% 0.0000%		
10	N/A N/A	N/A N/A	0.0240%	0.0180%	0.0000%		
18	N/A	N/A N/A	0.0240%	0.0180%	0.0000%		
19	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
20	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
21	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
22	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
23	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
24	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
25	0.0400%	0.0300%	0.0240%	0.0180%	0.0000%		
26	0.0440%	0.0320%	0.0264%	0.0192%	0.0000%		
27	0.0480%	0.0340%	0.0288%	0.0204%	0.0000%		
28	0.0520%	0.0360%	0.0312%	0.0216%	0.0000%		
29	0.0560%	0.0380%	0.0336%	0.0228%	0.0000%		
30	0.0600%	0.0400%	0.0360%	0.0240%	0.0000%		
31	0.0640%	0.0420%	0.0384%	0.0252%	0.0000%		
32	0.0680%	0.0440%	0.0408%	0.0264%	0.0000%		
33	0.0720%	0.0460%	0.0432%	0.0276%	0.0000%		
34	0.0760%	0.0480%	0.0456%	0.0288%	0.0000%		
35	0.0800%	0.0500%	0.0480%	0.0300%	0.0000%		
36	0.0840%	0.0520%	0.0504%	0.0312%	0.0000%		
37	0.0880%	0.0540%	0.0528%	0.0324%	0.0000%		
38	0.0920%	0.0560%	0.0552%	0.0336%	0.0000%		
39 40	0.0960%	0.0580%	0.0576%	0.0348%	0.0000%		
40 41	0.1000% 0.1100%	0.0600% 0.0680%	0.0600% 0.0660%	0.0360% 0.0408%	0.0000% 0.0000%		
41	0.1200%	0.0760%	0.0720%	0.0408%	0.0000%		
43	0.1300%	0.0840%	0.0780%	0.0504%	0.0000%		
43 44	0.1400%	0.0920%	0.0840%	0.0552%	0.0000%		
45	0.1500%	0.1000%	0.0900%	0.0600%	0.0000%		
46	0.1600%	0.1100%	0.0960%	0.0660%	0.0000%		
47	0.1700%	0.1200%	0.1020%	0.0720%	0.0000%		
48	0.1800%	0.1300%	0.1080%	0.0780%	0.0000%		
49	0.1900%	0.1400%	0.1140%	0.0840%	0.0000%		
50	0.2000%	0.1500%	0.1200%	0.0900%	0.0000%		
51	0.2200%	0.1600%	0.1320%	0.0960%	0.0000%		
52	0.2400%	0.1700%	0.1440%	0.1020%	0.0000%		
53	0.2600%	0.1800%	0.1560%	0.1080%	0.0000%		
54	0.2800%	0.1900%	0.1680%	0.1140%	0.0000%		
55	0.3000%	0.2000%	0.1800%	0.1200%	0.0000%		
56	0.3200%	0.2100%	0.1920%	0.1260%	0.0000%		
57	0.3400%	0.2200%	0.2040%	0.1320%	0.0000%		
58	0.3600%	0.2300%	0.2160%	0.1380%	0.0000%		
59	0.3800%	0.2400%	0.2280%	0.1440%	0.0000%		
60 (1	0.4000%	0.2500%	0.2400%	0.1500%	0.0000%		
61 62	0.4200%	0.2600%	0.2520%	0.1560%	0.0000%		
62 63	0.4400%	0.2700%	0.2640%	0.1620%	0.0000%		
63 64	0.4600% 0.4800%	0.2800% 0.2900%	0.2760% 0.2880%	0.1680% 0.1740%	0.0000% 0.0000%		
64 65	0.4800%	0.3000%	0.2880%	0.1740% 0.1800%	0.0000%		
65 66	0.5400%	0.3200%	0.3240%	0.1800%	0.0000%		
67	0.5800%	0.3400%	0.3480%	0.2040%	0.0000%		
68	0.6200%	0.3600%	0.3720%	0.2160%	0.0000%		
69	0.6600%	0.3800%	0.3960%	0.2280%	0.0000%		
70	N/A	N/A	0.4000%	0.2400%	0.0000%		
71	N/A	N/A	0.4240%	0.2580%	0.0000%		
72	N/A	N/A	0.4480%	0.2760%	0.0000%		
73	N/A	N/A	0.4720%	0.2940%	0.0000%		
74	N/A	N/A	0.4960%	0.3120%	0.0000%		
75	N/A	N/A	0.5200%	0.3300%	0.0000%		
76	N/A	N/A	0.5680%	0.3660%	0.0000%		
77	N/A	N/A	0.6160%	0.4020%	0.0000%		
78 70	N/A	N/A	0.6640%	0.4380%	0.0000%		
79 ≥ 80	N/A N/A	N/A N/A	0.7120%	0.4740%	0.0000%		
≤ 00	N/A	N/A	N/A	N/A	N/A		

	Ordinary	(Current)	Ordinary (I	Proposed)	Accidental (Current)	Accidental (Propose
Age	Males	Females	Males	Females	Both Genders	Both Genders
15	N/A	N/A	0.0240%	0.0180%	N/A	0.0060%
16	N/A	N/A	0.0240%	0.0180%	N/A	0.0060%
17	N/A	N/A	0.0240%	0.0180%	N/A	0.0060%
18	N/A	N/A	0.0240%	0.0180%	N/A	0.0060%
19	0.0400%	0.0300%	0.0240%	0.0180%	0.0100%	0.0060%
20	0.0400%	0.0300%	0.0240%	0.0180%	0.0100%	0.0060%
21	0.0400%	0.0300%	0.0240%	0.0180%	0.0100%	0.0060%
		0.0300%		0.0180%		0.0060%
22	0.0400%		0.0240%		0.0100%	
23	0.0400%	0.0300%	0.0240%	0.0180%	0.0100%	0.0060%
24	0.0400%	0.0300%	0.0240%	0.0180%	0.0100%	0.0060%
25	0.0400%	0.0300%	0.0240%	0.0180%	0.0100%	0.0060%
26	0.0440%	0.0320%	0.0264%	0.0192%	0.0100%	0.0060%
27	0.0480%	0.0340%	0.0288%	0.0204%	0.0100%	0.0060%
28	0.0520%	0.0360%	0.0312%	0.0216%	0.0100%	0.0060%
29	0.0560%	0.0380%	0.0336%	0.0228%	0.0100%	0.0060%
30	0.0600%	0.0400%	0.0360%	0.0240%	0.0100%	0.0060%
31	0.0640%	0.0420%	0.0384%	0.0252%	0.0100%	0.0060%
32	0.0680%	0.0440%	0.0408%	0.0264%	0.0100%	0.0060%
33	0.0720%	0.0460%	0.0432%	0.0276%	0.0100%	0.0060%
		0.0480%		0.0288%		
34	0.0760%		0.0456%		0.0100%	0.0060%
35	0.0800%	0.0500%	0.0480%	0.0300%	0.0100%	0.0060%
36	0.0840%	0.0520%	0.0504%	0.0312%	0.0100%	0.0060%
37	0.0880%	0.0540%	0.0528%	0.0324%	0.0100%	0.0060%
38	0.0920%	0.0560%	0.0552%	0.0336%	0.0100%	0.0060%
39	0.0960%	0.0580%	0.0576%	0.0348%	0.0100%	0.0060%
40	0.1000%	0.0600%	0.0600%	0.0360%	0.0100%	0.0060%
41	0.1100%	0.0680%	0.0660%	0.0408%	0.0100%	0.0060%
42	0.1200%	0.0760%	0.0720%	0.0456%	0.0100%	0.0060%
43	0.1300%	0.0840%	0.0780%	0.0504%	0.0100%	0.0060%
44	0.1400%	0.0920%	0.0840%	0.0552%	0.0100%	0.0060%
45		0.1000%	0.0900%	0.0600%	0.0100%	0.0060%
	0.1500%					
46	0.1600%	0.1100%	0.0960%	0.0660%	0.0100%	0.0060%
47	0.1700%	0.1200%	0.1020%	0.0720%	0.0100%	0.0060%
48	0.1800%	0.1300%	0.1080%	0.0780%	0.0100%	0.0060%
49	0.1900%	0.1400%	0.1140%	0.0840%	0.0100%	0.0060%
50	0.2000%	0.1500%	0.1200%	0.0900%	0.0100%	0.0060%
51						
	0.2200%	0.1600%	0.1320%	0.0960%	0.0100%	0.0060%
52	0.2400%	0.1700%	0.1440%	0.1020%	0.0100%	0.0060%
53	0.2600%	0.1800%	0.1560%	0.1080%	0.0100%	0.0060%
54	0.2800%	0.1900%	0.1680%	0.1140%	0.0100%	0.0060%
55	0.3000%	0.2000%	0.1800%	0.1200%	0.0100%	0.0060%
56	0.3200%	0.2100%	0.1920%	0.1260%	0.0100%	0.0060%
57	0.3400%	0.2200%	0.2040%	0.1320%	0.0100%	0.0060%
58	0.3600%	0.2300%	0.2160%	0.1380%	0.0100%	0.0060%
59	0.3800%	0.2400%	0.2280%	0.1440%	0.0100%	0.0060%
60	0.4000%	0.2500%	0.2400%	0.1500%	0.0100%	0.0060%
61	0.4200%	0.2600%	0.2520%	0.1560%	0.0100%	0.0060%
62	0.4400%	0.2700%	0.2640%	0.1620%	0.0100%	0.0060%
63	0.4600%	0.2800%	0.2760%	0.1680%	0.0100%	0.0060%
64	0.4800%	0.2900%	0.2880%	0.1740%	0.0100%	0.0060%
65	0.5000%	0.3000%	0.3000%	0.1800%	0.0100%	0.0060%
66	0.5400%	0.3200%	0.3240%	0.1920%	0.0100%	0.0060%
67	0.5800%	0.3400%	0.3480%	0.2040%	0.0100%	0.0060%
68	0.6200%	0.3600%		0.2160%	0.0100%	
			0.3720%			0.0060%
69	0.6600%	0.3800%	0.3960%	0.2280%	0.0100%	0.0060%
70	N/A	N/A	0.4000%	0.2400%	N/A	0.0060%
71	N/A	N/A	0.4240%	0.2580%	N/A	0.0060%
72	N/A	N/A	0.4480%	0.2760%	N/A	0.0060%
73	N/A	N/A	0.4720%	0.2940%	N/A	0.0060%
	'					
74	N/A	N/A	0.4960%	0.3120%	N/A	0.0060%
75	N/A	N/A	0.5200%	0.3300%	N/A	0.0060%
76	N/A	N/A	0.5680%	0.3660%	N/A	0.0060%
77	N/A	N/A	0.6160%	0.4020%	N/A	0.0060%
78	N/A	N/A	0.6640%	0.4380%	N/A	0.0060%
79	N/A	N/A	0.7120%	0.4740%	N/A	0.0060%
≥ 80	N/A	N/A	N/A	N/A	Ń/A	N/A
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15 N/A N/A 0.0249% 0.0189% N/A 0.00 16 N/A N/A 0.0249% 0.0189% N/A 0.00 17 N/A N/A 0.0249% 0.0189% N/A 0.00 19 0.0509% 0.0309% 0.0249% 0.0189% 0.0109% 0.00 20 0.0509% 0.0309% 0.0249% 0.0189% 0.0109% 0.00 21 0.0509% 0.0309% 0.0249% 0.0189% 0.0109% 0.00 22 0.0509% 0.0309% 0.0249% 0.0119% 0.0109% 0.00 24 0.0509% 0.0309% 0.0249% 0.0119% 0.0109% 0.00 25 0.0509% 0.0309% 0.0249% 0.0119% 0.0109% 0.00 26 0.0509% 0.0309% 0.0249% 0.0119% 0.0109% 0.00 27 0.0509% 0.0309% 0.0249% 0.0229% 0.0109% 0.00 28		Ordinary	(Current)	Ordinary (l	Proposed)	Accidental (Current)	Accidental (Propose
16 N/A N/A 0.0240% 0.0180% N/A 0.00 17 N/A N/A N/A 0.0240% 0.0180% N/A 0.00 19 0.0560% 0.0300% 0.0240% 0.0180% 0.0100% 0.00 20 0.0560% 0.0300% 0.0240% 0.0180% 0.0100% 0.00 21 0.0560% 0.0300% 0.0240% 0.0180% 0.0100% 0.00 22 0.0500% 0.0300% 0.0240% 0.0180% 0.0100% 0.00 23 0.0500% 0.0300% 0.0240% 0.0180% 0.0100% 0.00 24 0.0500% 0.0300% 0.0244% 0.0110% 0.00 0.00 25 0.0400% 0.0300% 0.0244% 0.0110% 0.00 0.00 26 0.0500% 0.0300% 0.0288% 0.0100% 0.00 0.00 0.05 0.00 0.00 0.05 0.00 0.05 0.05 0.05 0.0100%	Age	Males	Females	Males	Females	Both Genders	Both Genders
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68 0.5200% 0.3400% 0.3720% 0.2160% 0.0100% 0.00 69 0.5600% 0.3700% 0.3960% 0.2280% 0.0100% 0.00 70 N/A N/A 0.4000% 0.2400% N/A 0.00 71 N/A N/A 0.4240% 0.2580% N/A 0.00 72 N/A N/A 0.4480% 0.2760% N/A 0.00 73 N/A N/A 0.4480% 0.2760% N/A 0.00 74 N/A N/A 0.4720% 0.2940% N/A 0.00 74 N/A N/A 0.4960% 0.3120% N/A 0.00 75 N/A N/A 0.5200% 0.3300% N/A 0.00 76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6640% 0.4380% N/A 0.00							0.0060%
69 0.5600% 0.3700% 0.3960% 0.2280% 0.0100% 0.000 70 N/A N/A 0.4000% 0.2400% N/A 0.000 71 N/A N/A 0.4240% 0.2580% N/A 0.000 72 N/A N/A 0.4240% 0.2580% N/A 0.000 73 N/A N/A 0.4480% 0.2760% N/A 0.000 73 N/A N/A 0.4480% 0.2940% N/A 0.000 74 N/A N/A 0.4960% 0.3120% N/A 0.000 75 N/A N/A 0.5200% 0.3300% N/A 0.000 76 N/A N/A 0.5680% 0.3660% N/A 0.000 77 N/A N/A 0.6640% 0.4920% N/A 0.000 78 N/A N/A 0.6640% 0.4380% N/A 0.000							0.0060%
70 N/A N/A 0.4000% 0.2400% N/A 0.000 71 N/A N/A 0.4240% 0.2580% N/A 0.000 72 N/A N/A 0.4240% 0.2580% N/A 0.000 73 N/A N/A 0.4480% 0.2760% N/A 0.000 73 N/A N/A 0.4720% 0.2940% N/A 0.000 74 N/A N/A 0.4960% 0.3120% N/A 0.000 75 N/A N/A 0.5200% 0.3300% N/A 0.000 76 N/A N/A 0.5680% 0.3660% N/A 0.000 77 N/A N/A 0.6640% 0.4920% N/A 0.000 78 N/A N/A 0.6640% 0.4380% N/A 0.000							
71 N/A N/A 0.4240% 0.2580% N/A 0.00 72 N/A N/A 0.4480% 0.2760% N/A 0.00 73 N/A N/A 0.4480% 0.2760% N/A 0.00 73 N/A N/A 0.4720% 0.2940% N/A 0.00 74 N/A N/A 0.4960% 0.3120% N/A 0.00 75 N/A N/A 0.5200% 0.3300% N/A 0.00 76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6640% 0.4380% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00							0.0060%
72 N/A N/A 0.4480% 0.2760% N/A 0.00 73 N/A N/A 0.4720% 0.2940% N/A 0.00 74 N/A N/A 0.4960% 0.3120% N/A 0.00 75 N/A N/A 0.5200% 0.3300% N/A 0.00 76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6640% 0.4380% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00						-	0.0060%
72 N/A N/A 0.4480% 0.2760% N/A 0.00 73 N/A N/A 0.4720% 0.2940% N/A 0.00 74 N/A N/A 0.4720% 0.2940% N/A 0.00 75 N/A N/A 0.4960% 0.3120% N/A 0.00 76 N/A N/A 0.5200% 0.3300% N/A 0.00 77 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6640% 0.4380% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00	71	N/A	N/A	0.4240%	0.2580%	N/A	0.0060%
73 N/A N/A 0.4720% 0.2940% N/A 0.00 74 N/A N/A 0.4960% 0.3120% N/A 0.00 75 N/A N/A 0.5200% 0.3300% N/A 0.00 76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6160% 0.4020% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00	72			0.4480%		-	0.0060%
74 N/A N/A 0.4960% 0.3120% N/A 0.00 75 N/A N/A 0.5200% 0.3300% N/A 0.00 76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6160% 0.4020% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00						-	0.0060%
75 N/A N/A 0.5200% 0.3300% N/A 0.00 76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6160% 0.4020% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00							0.0060%
76 N/A N/A 0.5680% 0.3660% N/A 0.00 77 N/A N/A 0.6160% 0.4020% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00							
77 N/A N/A 0.6160% 0.4020% N/A 0.00 78 N/A N/A 0.6640% 0.4380% N/A 0.00							0.0060%
78 N/A N/A 0.6640% 0.4380% N/A 0.00							0.0060%
							0.0060%
		N/A	N/A	0.6640%	0.4380%	N/A	0.0060%
······································	79	N/A	N/A	0.7120%	0.4740%	N/A	0.0060%
							N/A

	Ordinary	(Current)	Ordinary (Proposed)	Accidental (Current)	Accidental (Proposed
Age	Males	Females	Males	Females	Both Genders	Both Genders
15	N/A	N/A	0.0500%	0.0300%	N/A	0.0100%
16	N/A	N/A	0.0500%	0.0300%	N/A	0.0100%
10	N/A N/A	N/A	0.0500%	0.0300%	N/A	0.0100%
18	N/A N/A	N/A N/A	0.0500%	0.0300%	N/A	0.0100%
10	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	
			-	-		0.0100%
20	0.0500%	0.0300%	0.0500%	0.0300%	0.0100% 0.0100%	0.0100%
21	0.0500%	0.0300%	0.0500%	0.0300%		0.0100%
22	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
23	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
24	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
25	0.0400%	0.0240%	0.0500%	0.0300%	0.0100%	0.0100%
26	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
27	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
28	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
29	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
30	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
31	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
32	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
33	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
34	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
35	0.0500%	0.0300%	0.0500%	0.0300%	0.0100%	0.0100%
36	0.0600%	0.0360%	0.0600%	0.0360%	0.0100%	0.0100%
37	0.0700%	0.0420%	0.0700%	0.0420%	0.0100%	0.0100%
38	0.0800%	0.0480%	0.0800%	0.0480%	0.0100%	0.0100%
39	0.0900%	0.0540%	0.0900%	0.0540%	0.0100%	0.0100%
40	0.1000%	0.0600%	0.1000%	0.0600%	0.0100%	0.0100%
41	0.1100%	0.0660%	0.1100%	0.0660%	0.0100%	0.0100%
42	0.1200%	0.0720%	0.1200%	0.0720%	0.0100%	0.0100%
43	0.1200%	0.0780%	0.1200%	0.0780%	0.0100%	0.0100%
43 44	0.1400%	0.0840%	0.1400%	0.0840%	0.0100%	0.0100%
45	0.1500%	0.0900%	0.1500%	0.0900%	0.0100%	0.0100%
45 46	0.1600%	0.0960%	0.1600%	0.0960%	0.0100%	0.0100%
40 47	0.1700%	0.1020%	0.1700%	0.1020%	0.0100%	0.0100%
			-			
48	0.1800%	0.1080%	0.1800%	0.1080%	0.0100%	0.0100%
49	0.1900%	0.1140%	0.1900%	0.1140%	0.0100%	0.0100%
50	0.2000%	0.1200%	0.2000%	0.1200%	0.0100%	0.0100%
51	0.2100%	0.1280%	0.2100%	0.1280%	0.0100%	0.0100%
52	0.2200%	0.1360%	0.2200%	0.1360%	0.0100%	0.0100%
53	0.2300%	0.1440%	0.2300%	0.1440%	0.0100%	0.0100%
54	0.2400%	0.1520%	0.2400%	0.1520%	0.0100%	0.0100%
55	0.2500%	0.1600%	0.2500%	0.1600%	0.0100%	0.0100%
56	0.2600%	0.1680%	0.2600%	0.1680%	0.0100%	0.0100%
57	0.2700%	0.1760%	0.2700%	0.1760%	0.0100%	0.0100%
58	0.2800%	0.1840%	0.2800%	0.1840%	0.0100%	0.0100%
59	0.2900%	0.1920%	0.2900%	0.1920%	0.0100%	0.0100%
60	0.3000%	0.2000%	0.3000%	0.2000%	0.0100%	0.0100%
61	0.3200%	0.2100%	0.3200%	0.2100%	0.0100%	0.0100%
62	0.3400%	0.2200%	0.3400%	0.2200%	0.0100%	0.0100%
63	0.3600%	0.2300%	0.3600%	0.2300%	0.0100%	0.0100%
64	0.3800%	0.2400%	0.3800%	0.2400%	0.0100%	0.0100%
65	0.4000%	0.2500%	0.4000%	0.2500%	0.0100%	0.0100%
66	0.4400%	0.2800%	0.4400%	0.2800%	0.0100%	0.0100%
67	0.4800%	0.3100%	0.4800%	0.3100%	0.0100%	0.0100%
68	0.5200%	0.3400%	0.5200%	0.3400%	0.0100%	0.0100%
69	0.5600%	0.3700%	0.5600%	0.3700%	0.0100%	0.0100%
≥ 70	N/A	N/A	N/A	N/A	N/A	N/A
≞ /U	11/11	n/A	11/1	11/1	11/11	11/11

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

	Ordinary	(Current)	Ordinary (Proposed)	Accidental (Current)	Accidental (Proposed)
Age	Males	Females	Males	Females	Both Genders	Both Genders
15	N/A	N/A	0.025%	0.015%	N/A	0.005%
16	N/A	N/A	0.025%	0.015%	N/A	0.005%
17	N/A	N/A	0.025%	0.015%	N/A	0.005%
18	N/A	N/A	0.025%	0.015%	N/A	0.005%
19	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
20	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
20	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
21	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
23	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
23	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
24 25	0.030%	0.024%	0.025%	0.015%	0.010%	0.005%
23 26	0.050%	0.024%	0.025%	0.015%	0.010%	0.005%
26 27	-	0.030%				
	0.050%		0.025%	0.015%	0.010%	0.005%
28	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
29	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
30	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
31	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
32	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
33	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
34	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
35	0.050%	0.030%	0.025%	0.015%	0.010%	0.005%
36	0.060%	0.036%	0.030%	0.018%	0.010%	0.005%
37	0.070%	0.042%	0.035%	0.021%	0.010%	0.005%
38	0.080%	0.048%	0.040%	0.024%	0.010%	0.005%
39	0.090%	0.054%	0.045%	0.027%	0.010%	0.005%
40	0.100%	0.060%	0.050%	0.030%	0.010%	0.005%
41	0.110%	0.066%	0.055%	0.033%	0.010%	0.005%
42	0.120%	0.072%	0.060%	0.036%	0.010%	0.005%
43	0.130%	0.078%	0.065%	0.039%	0.010%	0.005%
44	0.140%	0.084%	0.070%	0.042%	0.010%	0.005%
45	0.150%	0.090%	0.075%	0.045%	0.010%	0.005%
46	0.160%	0.096%	0.080%	0.048%	0.010%	0.005%
47	0.170%	0.102%	0.085%	0.051%	0.010%	0.005%
48	0.180%	0.108%	0.090%	0.054%	0.010%	0.005%
49	0.190%	0.114%	0.095%	0.057%	0.010%	0.005%
50	0.200%	0.120%	0.100%	0.060%	0.010%	0.005%
51	0.210%	0.128%	0.105%	0.064%	0.010%	0.005%
52	0.220%	0.136%	0.110%	0.068%	0.010%	0.005%
53	0.230%	0.144%	0.115%	0.072%	0.010%	0.005%
54	0.240%	0.152%	0.120%	0.076%	0.010%	0.005%
55	0.250%	0.160%	0.125%	0.080%	0.010%	0.005%
56	0.260%	0.168%	0.130%	0.084%	0.010%	0.005%
57	0.270%	0.176%	0.135%	0.088%	0.010%	0.005%
58	0.280%	0.184%	0.140%	0.092%	0.010%	0.005%
50 59	0.290%	0.192%	0.145%	0.096%	0.010%	0.005%
60	0.300%	0.200%	0.150%	0.100%	0.010%	0.005%
61	0.320%	0.210%	0.160%	0.105%	0.010%	0.005%
62	0.340%	0.220%	0.170%	0.1105%	0.010%	0.005%
02 ≥ 63	0.340% N/A	0.220% N/A	N/A	N/A	N/A	N/A
≥ 03	iv/n	11/11	IN/ A	11/11	11/71	11/71

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: GENERAL PROBABILITIES OF ORDINARY DISABILITY FOR ACTIVE MEMBERS Current Proposed Males Females Males Age Females 15 N/A N/A 0.140% 0.140% 0.140% 0.140% 16 N/A N/A 17 N/A N/A 0.140% 0.140% 18 0.140% N/A N/A 0.140% 19 0.200% 0.200% 0.140% 0.140% 20 0.200% 0.200% 0.140% 0.140% 21 0.200% 0.200% 0.140%0.140% 22 0.200% 0.200% 0.140% 0.140% 23 0.200% 0.200% 0.140% 0.140% 24 0.200% 0.200% 0.140% 0.140% 25 0.200% 0.200% 0.140% 0.140% 26 0.200% 0.200% 0.140% 0.140% 27 0.200% 0.200% 0.140% 0.140% 0.200% 28 0.200% 0.140% 0.140% 29 0.200% 0.200% 0.140% 0.140% 30 0.200% 0.200% 0.140% 0 1 4 0 % 31 0.220% 0.200% 0.154% 0.140% 32 0.240% 0.200% 0.168% 0.140% 33 0.260% 0.200% 0.182% 0.140% 34 0.280% 0.200% 0.196% 0.140% 35 0.300% 0.200% 0.210% 0 1 4 0 % 36 0.320% 0.210% 0.224% 0.147% 37 0.340% 0.220% 0.238% 0.154% 38 0.360% 0.230% 0.252% 0.161% 39 0.380% 0.240% 0.266% 0.168% 40 0.400% 0.250% 0.280% 0.175% 41 0.420% 0.260% 0.294% 0.182% 0.440% 0.270% 0.308% 0.189% 42 43 0.460% 0.280% 0.322% 0.196% 0.290% 44 0.480% 0.336% 0.203% 45 0.500% 0.300% 0.350% 0.210% 46 0.520% 0.340% 0.364% 0.238% 0.540% 0.380% 0.378% 47 0.266% 48 0.560% 0.420% 0.392% 0.294% 49 0.580% 0.460% 0.406% 0.322% 50 0.600% 0.500% 0.420% 0.350% 51 0.620% 0.540% 0.434% 0.378% 52 0.640% 0.580% 0 4 4 8 % 0 406% 53 0.660% 0.620% 0.462% 0.434% 54 0.680% 0.660% 0.476% 0.462% 55 0.700% 0.700% 0.490% 0.490% 56 0.700% 0.700% 0.490% 0.490% 57 0 4 9 0 % 0 4 9 0 % 0.700% 0.700% 58 0.700% 0.700% 0.490% 0.490% 59 0.700% 0.700% 0.490% 0.490% 60 0.700% 0.700% 0.490% 0.490% 0.700% 0.700% 0.490% 0.490% 61 0.700% 0.490% 0.490% 62 0.700% 63 0.700% 0.700% 0.490% 0.490% 0.700% 0.700% 0.490% 0.490% 64 65 0.700% 0.700% 0.490% 0.490% 0.700% 0.700% 66 0.490% 0.490% 67 0.700% 0.700% 0.490% 0.490% 68 0.700% 0.700% 0.490% 0.490% 69 0.700% 0.700% 0.490% 0.490% 70 N/A N/A 0.490% 0.490% 71 N/A N/A 0.490% 0.490% 72 N/A N/A 0.490% 0.490% 73 N/A N/A 0.490% 0.490%

74

75

76

77

78

79

≥ 80

N/A

0.490%

0.490%

0.490%

0.490%

0.490%

0.490%

N/A

0.490%

0.490%

0.490%

0.490%

0.490%

0.490%

N/A

	NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: TRANSIT PROBABILITIES OF DISABILITY FOR ACTIVE MEMBERS							
	PROBABILITIE							
Age	Ordinary	Accidental	Propo Ordinary	Accidental				
	Orunnary	Accidental	Ortiliary	Accidental				
15	N/A	N/A	0.100%	0.020%				
16	N/A	N/A	0.100%	0.020%				
17	N/A	N/A	0.100%	0.020%				
18	N/A	N/A	0.100%	0.020%				
19	0.100%	0.020%	0.100%	0.020%				
20	0.100%	0.020%	0.100%	0.020%				
21 22	0.100%	0.020%	0.100%	0.020%				
22	0.100% 0.100%	0.020% 0.020%	0.100% 0.100%	0.020% 0.020%				
23 24	0.100%	0.020%	0.100%	0.020%				
24	0.100%	0.020%	0.100%	0.020%				
26	0.100%	0.020%	0.100%	0.020%				
27	0.100%	0.020%	0.100%	0.020%				
28	0.100%	0.020%	0.100%	0.020%				
29	0.100%	0.020%	0.100%	0.020%				
30	0.100%	0.020%	0.100%	0.020%				
31	0.120%	0.020%	0.120%	0.020%				
32	0.140%	0.020%	0.140%	0.020%				
33	0.160%	0.020%	0.160%	0.020%				
34	0.180%	0.020%	0.180%	0.020%				
35	0.200%	0.020%	0.200%	0.020%				
36	0.220%	0.020%	0.220%	0.020%				
37	0.240%	0.020%	0.240%	0.020%				
38	0.260%	0.020%	0.260%	0.020%				
39	0.280%	0.020%	0.280%	0.020%				
40	0.300%	0.020%	0.300%	0.020%				
41 42	0.320% 0.340%	0.020% 0.020%	0.320% 0.340%	0.020% 0.020%				
42 43	0.340%	0.020%	0.340%	0.020%				
43	0.380%	0.020%	0.380%	0.020%				
45	0.400%	0.020%	0.400%	0.020%				
46	0.420%	0.020%	0.420%	0.020%				
47	0.440%	0.020%	0.440%	0.020%				
48	0.460%	0.020%	0.460%	0.020%				
49	0.480%	0.020%	0.480%	0.020%				
50	0.500%	0.020%	0.500%	0.020%				
51	0.520%	0.020%	0.520%	0.020%				
52	0.540%	0.020%	0.540%	0.020%				
53	0.560%	0.020%	0.560%	0.020%				
54	0.580%	0.020%	0.580%	0.020%				
55	0.600%	0.020%	0.600%	0.020%				
56	0.600%	0.020%	0.600%	0.020%				
57	0.600%	0.020%	0.600%	0.020%				
58 59	0.600%	0.020%	0.600%	0.020% 0.020%				
59 60	0.600% 0.600%	0.020% 0.020%	0.600% 0.600%	0.020%				
60 61	0.600%	0.020%	0.600%	0.020%				
62	0.600%	0.020%	0.600%	0.020%				
63	0.600%	0.020%	0.600%	0.020%				
64	0.600%	0.020%	0.600%	0.020%				
65	0.600%	0.020%	0.600%	0.020%				
66	0.600%	0.020%	0.600%	0.020%				
67	0.600%	0.020%	0.600%	0.020%				
68	0.600%	0.020%	0.600%	0.020%				
69	0.600%	0.020%	0.600%	0.020%				
70	N/A	N/A	0.600%	0.020%				
71	N/A	N/A	0.600%	0.020%				
72	N/A	N/A	0.600%	0.020%				
73	N/A	N/A	0.600%	0.020%				
74 75	N/A	N/A	0.600%	0.020%				
75 76	N/A	N/A	0.600%	0.020%				
76 77	N/A	N/A N/A	0.600% 0.600%	0.020% 0.020%				
77	N/A N/A	N/A N/A	0.600%	0.020%				
78 79	N/A N/A	N/A N/A	0.600%	0.020%				

	Curre	nt	Prop	osed
Age	Ordinary	Accidental	Ordinary	Accidental
15	NI (A	NI / A	0.1000/	0.0200/
15	N/A	N/A	0.100%	0.020%
16	N/A	N/A	0.100%	0.020%
17	N/A	N/A	0.100%	0.020%
18	N/A	N/A	0.100%	0.020%
19	0.400%	0.040%	0.100%	0.020%
20	0.400%	0.040%	0.100%	0.020%
21	0.400%	0.040%	0.100%	0.020%
22	0.400%	0.040%	0.100%	0.020%
23	0.400%	0.040%	0.100%	0.020%
23	0.400%	0.040%	0.100%	0.020%
25	0.400%	0.040%	0.100%	0.020%
26	0.400%	0.040%	0.100%	0.020%
27	0.400%	0.040%	0.100%	0.020%
28	0.400%	0.040%	0.100%	0.020%
29	0.400%	0.040%	0.100%	0.020%
30	0.400%	0.040%	0.100%	0.020%
31	0.400%	0.040%	0.120%	0.020%
32	0.400%	0.040%	0.140%	0.020%
33	0.400%	0.040%	0.160%	0.020%
34	0.400%	0.040%	0.180%	0.020%
35	0.400%	0.040%	0.200%	0.020%
36	0.400%	0.040%	0.220%	0.020%
37	0.400%	0.040%	0.240%	0.020%
38	0.400%	0.040%	0.260%	0.020%
39	0.400%	0.040%	0.280%	0.020%
40	0.400%	0.040%	0.300%	0.020%
41	0.400%	0.040%	0.320%	0.020%
42	0.400%	0.040%	0.340%	0.020%
43	0.400%	0.040%	0.360%	0.020%
44	0.400%	0.040%	0.380%	0.020%
45	0.400%	0.040%	0.400%	0.020%
46	0.400%	0.040%	0.420%	0.020%
47	0.400%	0.040%	0.440%	0.020%
48	0.400%	0.040%	0.460%	0.020%
49	0.400%	0.040%	0.480%	0.020%
50	0.400%	0.040%	0.500%	0.020%
51	0.400%	0.040%	0.520%	0.020%
52	0.400%	0.040%	0.540%	0.020%
53	0.400%	0.040%	0.560%	0.020%
54	0.400%	0.040%	0.580%	0.020%
55	0.400%	0.040%	0.600%	0.020%
56	0.400%	0.040%	0.600%	0.020%
57	0.400%	0.040%	0.600%	0.020%
58	0.400%	0.040%	0.600%	0.020%
50 59				
	0.400%	0.040%	0.600%	0.020%
60	0.400%	0.040%	0.600%	0.020%
61	0.400%	0.040%	0.600%	0.020%
62	0.400%	0.040%	0.600%	0.020%
63	0.400%	0.040%	0.600%	0.020%
64	0.400%	0.040%	0.600%	0.020%
65	0.400%	0.040%	0.600%	0.020%
66	0.400%	0.040%	0.600%	0.020%
67	0.400%	0.040%	0.600%	0.020%
68	0.400%	0.040%	0.600%	0.020%
69 70	0.400%	0.040%	0.600%	0.020%
70	N/A	N/A	0.600%	0.020%
71	N/A	N/A	0.600%	0.020%
72	N/A	N/A	0.600%	0.020%
73	N/A	N/A	0.600%	0.020%
74	N/A	N/A	0.600%	0.020%
75	N/A	N/A	0.600%	0.020%
76			0.600%	0.020%
	N/A	N/A		
77	N/A	N/A	0.600%	0.020%
78	N/A	N/A	0.600%	0.020%
79	N/A	N/A	0.600%	0.020%
≥ 80	N/A	N/A	N/A	N/A

PROBABILITIES OF ORDINARY DISABILITY FOR ACTIVE MEMBERS

	Current		Proposed	
Age	Males	Females	Males	Females
15	N/A	N/A	0.100%	0.100%
16	N/A	N/A	0.100%	0.100%
10			0.100%	0.100%
17	N/A	N/A		
	N/A	N/A	0.100%	0.100%
19	0.100%	0.100%	0.100%	0.100%
20	0.100%	0.100%	0.100%	0.100%
21	0.100%	0.100%	0.100%	0.100%
22	0.100%	0.100%	0.100%	0.100%
23	0.100%	0.100%	0.100%	0.100%
24	0.100%	0.100%	0.100%	0.100%
25	0.100%	0.100%	0.100%	0.100%
26	0.120%	0.120%	0.120%	0.120%
27	0.140%	0.140%	0.140%	0.140%
28	0.160%	0.160%	0.160%	0.160%
29	0.180%	0.180%	0.180%	0.180%
30	0.200%	0.200%	0.200%	0.200%
31	0.220%	0.220%	0.220%	0.220%
32	0.240%	0.240%	0.240%	0.240%
33	0.260%	0.260%	0.260%	0.260%
34	0.280%	0.280%	0.280%	0.280%
35	0.300%	0.300%	0.300%	0.300%
36	0.320%	0.320%	0.320%	0.320%
37	0.340%	0.340%	0.340%	0.340%
38	0.360%	0.360%	0.360%	0.360%
39	0.380%	0.380%	0.380%	0.380%
40	0.400%	0.400%	0.400%	0.400%
41	0.420%	0.420%	0.420%	0.420%
42	0.440%	0.440%	0.440%	0.440%
43	0.460%	0.460%	0.460%	0.460%
44	0.480%	0.480%	0.480%	0.480%
45	0.500%	0.500%	0.500%	0.500%
46	0.520%	0.520%	0.520%	0.520%
47	0.540%	0.540%	0.540%	0.540%
48	0.560%	0.560%	0.560%	0.560%
49	0.580%	0.580%	0.580%	0.580%
50	0.600%	0.600%	0.600%	0.600%
51	0.620%	0.620%	0.620%	0.620%
52	0.640%	0.640%	0.640%	0.640%
53	0.660%	0.660%	0.660%	0.660%
54	0.680%	0.680%	0.680%	0.680%
55	0.700%	0.700%	0.700%	0.700%
56	0.720%	0.720%	0.720%	0.720%
57	0.740%	0.740%	0.740%	0.740%
58	0.760%	0.760%	0.760%	0.760%
59	0.780%	0.780%	0.780%	0.780%
60	0.800%	0.800%	0.800%	0.800%
61	0.820%	0.820%	0.820%	0.820%
62	0.840%	0.840%	0.840%	0.840%
63	0.860%	0.860%	0.860%	0.860%
64	0.880%	0.880%	0.880%	0.880%
65	0.900%	0.900%	0.900%	0.900%
66	0.920%	0.920%	0.920%	0.920%
67	0.940%	0.940%	0.940%	0.940%
68	0.960%	0.960%	0.960%	0.960%
69	0.980%	0.980%	0.980%	0.980%
≥ 70	N/A	N/A	N/A	N/A
-	, -	,	, -	

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

PROBABILITIES OF ORDINARY DISABILITY FOR ACTIVE MEMBERS

Age	Current		Proposed	
	Males	Females	Males	Females
15	N/A	N/A	0.100%	0.100%
16	N/A	N/A	0.100%	0.100%
17	N/A	N/A	0.100%	0.100%
18	N/A	N/A	0.100%	0.100%
19	0.100%	0.100%	0.100%	0.100%
20	0.100%	0.100%	0.100%	0.100%
21	0.100%	0.100%	0.100%	0.100%
22	0.100%	0.100%	0.100%	0.100%
23	0.100%	0.100%	0.100%	0.100%
24	0.100%	0.100%	0.100%	0.100%
25	0.100%	0.100%	0.100%	0.100%
26	0.100%	0.100%	0.100%	0.100%
27	0.100%	0.100%	0.100%	0.100%
28	0.100%	0.100%	0.100%	0.100%
29	0.100%	0.100%	0.100%	0.100%
30	0.100%	0.100%	0.100%	0.100%
31	0.120%	0.120%	0.120%	0.120%
32	0.140%	0.140%	0.140%	0.140%
33	0.160%	0.160%	0.160%	0.160%
34	0.180%	0.180%	0.180%	0.180%
35	0.200%	0.200%	0.200%	0.200%
36	0.220%	0.220%	0.220%	0.220%
37	0.240%	0.240%	0.240%	0.240%
38	0.260%	0.260%	0.260%	0.260%
39	0.280%	0.280%	0.280%	0.280%
40	0.300%	0.300%	0.300%	0.300%
41	0.320%	0.320%	0.320%	0.320%
42	0.340%	0.340%	0.340%	0.340%
43	0.360%	0.360%	0.360%	0.360%
44	0.380%	0.380%	0.380%	0.380%
45	0.400%	0.400%	0.400%	0.400%
46	0.420%	0.420%	0.420%	0.420%
47	0.440%	0.440%	0.440%	0.440%
48	0.460%	0.460%	0.460%	0.460%
49	0.480%	0.480%	0.480%	0.480%
50	0.500%	0.500%	0.500%	0.500%
51	0.520%	0.520%	0.520%	0.520%
52	0.540%	0.540%	0.540%	0.540%
53	0.560%	0.560%	0.560%	0.560%
54	0.580%	0.580%	0.580%	0.580%
55	0.600%	0.600%	0.600%	0.600%
56	0.620%	0.620%	0.620%	0.620%
57 50	0.640%	0.640%	0.640%	0.640%
58 50	0.660%	0.660%	0.660%	0.660%
59 60	0.680%	0.680%	0.680%	0.680%
60 (1	0.700%	0.700%	0.700%	0.700%
61	0.720%	0.720%	0.720%	0.720%
62	0.740%	0.740%	0.740%	0.740%
≥ 63	N/A	N/A	N/A	N/A

PROBABILITIES OF ACCIDENTAL DISABILITY FOR ACTIVE MEMBERS

Current		Proposed		
Age	Males	Females	Males	Females
15	N/A	N/A	0.028%	0.014%
16	N/A N/A	N/A	0.028%	0.014%
17	N/A	N/A	0.028%	0.014%
18	N/A	N/A	0.028%	0.014%
19	0.040%	0.020%	0.028%	0.014%
20	0.040%	0.020%	0.028%	0.014%
21	0.040%	0.020%	0.028%	0.014%
22	0.040%	0.020%	0.028%	0.014%
23	0.040%	0.020%	0.028%	0.014%
24	0.040%	0.020%	0.028%	0.014%
25	0.040%	0.020%	0.028%	0.014%
26	0.040%	0.020%	0.028%	0.014%
20	0.040%	0.020%	0.028%	0.014%
28	0.040%	0.020%	0.028%	0.014%
29	0.040%	0.020%	0.028%	0.014%
30	0.040%	0.020%	0.028%	0.014%
31	0.040%	0.020%	0.028%	0.014%
32	0.040%	0.020%	0.028%	0.014%
33	0.040%	0.020%	0.028%	0.014%
34	0.040%	0.020%	0.028%	0.014%
35	0.040%	0.020%	0.028%	0.014%
36		0.020%		
	0.040%		0.028%	0.014%
37	0.040%	0.020%	0.028%	0.014%
38	0.040%	0.020%	0.028%	0.014%
39	0.040%	0.020%	0.028%	0.014%
40	0.040%	0.020%	0.028%	0.014%
41	0.040%	0.020%	0.028%	0.014%
42	0.040%	0.020%	0.028%	0.014%
43	0.040%	0.020%	0.028%	0.014%
44	0.040%	0.020%	0.028%	0.014%
45	0.040%	0.020%	0.028%	0.014%
46	0.040%	0.020%	0.028%	0.014%
47	0.040%	0.020%	0.028%	0.014%
48	0.040%	0.020%	0.028%	0.014%
49	0.040%	0.020%	0.028%	0.014%
50	0.040%	0.020%	0.028%	0.014%
51	0.040%	0.020%	0.028%	0.014%
52	0.040%	0.020%	0.028%	0.014%
53	0.040%	0.020%	0.028%	0.014%
54	0.040%	0.020%	0.028%	0.014%
54 55			0.028%	0.014%
	0.040%	0.020%		
56	0.040%	0.020%	0.028%	0.014%
57	0.040%	0.020%	0.028%	0.014%
58	0.040%	0.020%	0.028%	0.014%
59	0.040%	0.020%	0.028%	0.014%
60	0.040%	0.020%	0.028%	0.014%
61	0.040%	0.020%	0.028%	0.014%
62	0.040%	0.020%	0.028%	0.014%
63	0.040%	0.020%	0.028%	0.014%
64	0.040%	0.020%	0.028%	0.014%
65	0.040%	0.020%	0.028%	0.014%
66	0.040%	0.020%	0.028%	0.014%
67	0.040%	0.020%	0.028%	0.014%
68	0.040%	0.020%	0.028%	0.014%
69	0.040%	0.020%	0.028%	0.014%
70	N/A	N/A	0.028%	0.014%
71	N/A	N/A	0.028%	0.014%
72	N/A	N/A	0.028%	0.014%
	-			
73	N/A	N/A	0.028%	0.014%
74	N/A	N/A	0.028%	0.014%
75	N/A	N/A	0.028%	0.014%
76	N/A	N/A	0.028%	0.014%
77	N/A	N/A	0.028%	0.014%
78	N/A	N/A	0.028%	0.014%
79	N/A	N/A	0.028%	0.014%
≥80	N/A	N/A	N/A	N/A
	11/17	11/11	11/11	IN/A

PROBABILITIES OF ACCIDENTAL DISABILITY FOR ACTIVE MEMBERS

Age 15 16 17 18 19 20 21 22 23 24	N/A N/A N/A N/A 0.100% 0.100%	Tier 6 Non-Enhanced N/A N/A N/A N/A 0.050%	Tier 1, 2, 4 and Tier 6 Enhanced 0.100% 0.100%	Tier 6 Non-Enhanced 0.050%
16 17 18 19 20 21 22 23	N/A N/A 0.100% 0.100%	N/A N/A N/A	0.100%	0.050%
16 17 18 19 20 21 22 23	N/A N/A 0.100% 0.100%	N/A N/A N/A	0.100%	
17 18 19 20 21 22 23	N/A N/A 0.100% 0.100%	N/A N/A		0.050%
18 19 20 21 22 23	N/A 0.100% 0.100%	N/A	0.100%	0.050%
19 20 21 22 23	0.100% 0.100%		0.100%	0.050%
20 21 22 23	0.100%		0.100%	0.050%
21 22 23		0.050%	0.100%	0.050%
23	0.100%	0.050%	0.100%	0.050%
	0.100%	0.050%	0.100%	0.050%
24	0.100%	0.050%	0.100%	0.050%
24	0.100%	0.050%	0.100%	0.050%
25	0.100%	0.050%	0.100%	0.050%
26	0.110%	0.055%	0.110%	0.055%
27	0.120%	0.060%	0.120%	0.060%
28	0.130%	0.065%	0.130%	0.065%
29	0.140%	0.070%	0.140%	0.070%
30	0.150%	0.075%	0.150%	0.075%
31	0.160%	0.080%	0.160%	0.080%
32	0.170%	0.085%	0.170%	0.085%
33	0.180%	0.090%	0.180%	0.090%
34	0.190%	0.095%	0.190%	0.095%
35	0.200%	0.100%	0.200%	0.100%
36	0.210%	0.105%	0.210%	0.105%
37	0.220%	0.110%	0.220%	0.110%
38	0.230%	0.115%	0.230%	0.115%
39	0.240%	0.120%	0.240%	0.120%
40	0.250%	0.125%	0.250%	0.125%
41 42	0.260%	0.130%	0.260%	0.130%
42 43	0.270% 0.280%	0.135% 0.140%	0.270% 0.280%	0.135% 0.140%
43 44	0.290%	0.145%	0.290%	0.140%
45	0.300%	0.1450%	0.300%	0.150%
46	0.340%	0.170%	0.340%	0.170%
47	0.380%	0.190%	0.380%	0.190%
48	0.420%	0.210%	0.420%	0.210%
49	0.460%	0.230%	0.460%	0.230%
50	0.500%	0.250%	0.500%	0.250%
51	0.560%	0.280%	0.560%	0.280%
52	0.620%	0.310%	0.620%	0.310%
53	0.680%	0.340%	0.680%	0.340%
54	0.740%	0.370%	0.740%	0.370%
55	0.800%	0.400%	0.800%	0.400%
56	0.880%	0.440%	0.880%	0.440%
57	0.960%	0.480%	0.960%	0.480%
58	1.040%	0.520%	1.040%	0.520%
59 60	1.120%	0.560%	1.120%	0.560%
60	1.200%	0.600%	1.200%	0.600%
61	1.300%	0.650%	1.300%	0.650%
62 63	1.400% 1.500%	0.700% 0.750%	1.400%	0.700% 0.750%
63 64	1.600%	0.800%	1.500% 1.600%	0.800%
64 65	1.700%	0.850%	1.700%	0.850%
65 66	1.820%	0.910%	1.820%	0.910%
67	1.940%	0.970%	1.940%	0.970%
68	2.060%	1.030%	2.060%	1.030%
69	2.180%	1.090%	2.180%	1.090%
≥ 70	N/A	N/A	N/A	N/A

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

PROBABILITIES OF ACCIDENTAL DISABILITY FOR ACTIVE MEMBERS

		Current		Proposed	
Age	Tier 1, 2, 4 and Tier 6 Enhanced	Tier 6 Non-Enhanced	Tier 1, 2, 4 and Tier 6 Enhanced	Tier 6 Non-Enhanced	
15	N/A	N/A	0.250%	0.125%	
16	N/A	N/A	0.250%	0.125%	
17	N/A	N/A	0.250%	0.125%	
18	N/A	N/A	0.250%	0.125%	
19	0.200%	0.100%	0.250%	0.125%	
20	0.200%	0.100%	0.250%	0.125%	
21	0.210%	0.110%	0.263%	0.138%	
22	0.220%	0.110%	0.275%	0.138%	
23	0.230%	0.120%	0.288%	0.150%	
24	0.240%	0.120%	0.300%	0.150%	
25	0.250%	0.130%	0.313%	0.163%	
26	0.260%	0.130%	0.325%	0.163%	
27	0.270%	0.140%	0.338%	0.175%	
28	0.280%	0.140%	0.350%	0.175%	
29	0.290%	0.150%	0.363%	0.188%	
30	0.300%	0.150%	0.375%	0.188%	
31	0.310%	0.160%	0.388%	0.200%	
32	0.320%	0.160%	0.400%	0.200%	
33	0.330%	0.170%	0.413%	0.213%	
34	0.340%	0.170%	0.425%	0.213%	
35	0.350%	0.180%	0.438%	0.225%	
36	0.360%	0.180%	0.450%	0.225%	
37	0.370%	0.190%	0.463%	0.238%	
38	0.380%	0.190%	0.405%	0.238%	
39	0.390%	0.200%	0.488%	0.250%	
40	0.400%	0.200%	0.500%	0.250%	
40	0.410%	0.210%	0.513%	0.263%	
42	0.420%	0.210%	0.525%	0.263%	
43	0.430%	0.220%	0.538%	0.275%	
44	0.440%	0.220%	0.550%	0.275%	
45	0.450%	0.230%	0.563%	0.288%	
46	0.460%	0.230%	0.575%	0.288%	
47	0.470%	0.240%	0.588%	0.300%	
48	0.480%	0.240%	0.600%	0.300%	
49	0.490%	0.250%	0.613%	0.313%	
50	0.500%	0.250%	0.625%	0.313%	
51	0.520%	0.260%	0.650%	0.325%	
52	0.540%	0.270%	0.675%	0.338%	
53	0.560%	0.280%	0.700%	0.350%	
54	0.580%	0.290%	0.725%	0.363%	
55	0.600%	0.300%	0.750%	0.375%	
56	0.620%	0.310%	0.775%	0.388%	
57	0.640%	0.320%	0.800%	0.400%	
58	0.660%	0.330%	0.825%	0.413%	
59	0.680%	0.340%	0.850%	0.425%	
60	0.700%	0.350%	0.875%	0.438%	
61	0.720%	0.360%	0.900%	0.450%	
62	0.740%	0.370%	0.925%	0.463%	
≥ 63	N/A	N/A	N/A	0.40570 N/A	

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 2 Age Year 1 Year 1 ≤ 54 20.00% 15.00% 10.00% 8.00% 5.00% 55 20.00% 15.00% 10.00% 8.00% 5.00% 56 20.00% 15.00% 10.00% 8.00% 5.00% 20.00% 57 15.00% 10.00% 8.00% 5.00% 20.00% 58 15.00% 10.00% 8.00% 5.00% 59 20.00% 15.00% 10.00% 8.00% 5.00% 60 8.00% 5.00% 20.00% 15.00% 10.00% 61 20.00% 15.00% 15.00% 8.00% 7.50% 62 30.00% 25.00% 20.00% 30.00%/8.00%* 10.00% 20.00%/30.00%** 63 20.00% 15.00% 15.00% 15.00% 64 20.00% 15.00% 20.00% 15.00% 15.00% 30.00% 65 30.00% 25.00% 20.00% 20.00% 20.00% 66 20.00% 15.00% 15.00% 15.00% 20.00% 67 15.00% 15.00% 20.00% 15.00% 68 20.00% 15.00% 15.00% 20.00% 15.00% 69 20.00% 15.00% 15.00% 20.00% 15.00% 70 100.00% 100.00% 100.00% 25.00% 25.00% 71 100.00% 100.00% 100.00% 25.00% 25.00% 72 100.00% 100.00% 100.00% 25.00% 25.00% 73 25.00% 100.00% 100.00% 100.00% 25.00% 74 100.00% 100.00% 100.00% 25.00% 25.00% 75 100.00% 100.00% 100.00% 25.00% 25.00% 76 100.00% 100.00% 100.00% 25.00% 25.00% 77 100.00% 100.00% 25.00% 100.00% 25.00% 78 100.00% 100.00% 100.00% 25.00% 25.00% 79 100.00% 100.00% 100.00%25.00% 25.00% ≥80 100.00% 100.00% 100.00% 100.00% 100.00%

MANDATED PLAN MEMBERS

*30.00% for Tier 1, 2, & 4 members and 8.00% for Tier 6 members.

**20.00% for Tier 1, 2 & 4 members and 30.00% for Tier 6 members.

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 2 Year 1 Age Year 1 40.00% ≤ 54 20.00% 15.00% 40.00% 15.00% 55 40.00% 20.00% 15.00% 40.00% 15.00% 56 40.00% 20.00% 15.00% 40.00% 15.00% 40.00% 57 20.00% 15.00% 40.00% 15.00% 40.00% 20.00% 40.00% 58 15.00% 15.00% 59 40.00% 20.00% 15.00% 40.00% 15.00% 60 40.00% 20.00% 15.00% 40.00% 15.00% 61 40.00% 20.00% 15.00% 40.00% 15.00% 62 60.00% 25.00% 25.00% 60.00% 25.00% 63 40.00% 20.00% 20.00% 40.00% 20.00% 64 40.00% 20.00% 20.00% 40.00% 20.00% 65 60.00% 25.00% 25.00% 60.00% 25.00% 40.00% 20.00% 40.00% 20.00% 66 20.00% 67 40.00% 20.00% 20.00% 40.00% 20.00% 68 40.00% 20.00% 20.00% 40.00% 20.00% 69 40.00% 20.00% 20.00% 40.00% 20.00% 70 100.00% 100.00% 100.00% 40.00% 25.00% 71 100.00% 100.00% 100.00% 40.00% 25.00% 72 100.00% 100.00% 100.00% 40.00% 25.00% 73 25.00% 100.00% 100.00% 100.00% 40.00% 74 100.00% 100.00% 100.00% 40.00% 25.00% 75 100.00% 100.00% 100.00% 40.00% 25.00% 76 100.00% 100.00% 100.00% 40.00% 25.00% 77 100.00% 100.00% 100.00% 40.00% 25.00% 78 100.00% 100.00% 100.00% 40.00% 25.00% 79 100.00% 100.00% 100.00% 40.00% 25.00% ≥80 100.00% 100.00% 100.00% 100.00% 100.00%

ELECTED PLAN MEMBERS

Age	Current	Proposed
≤ 54	0.00%	0.00%
55	2.00%	3.50%
56	2.00%	3.50%
57	2.00%	3.50%
58	2.00%	3.50%
59	3.00%	5.25%
60	4.00%	7.00%
61	5.00%	8.00%
62	0.00%	8.00%*
63	0.00%	0.00%
64	0.00%	0.00%
65	0.00%	0.00%
66	0.00%	0.00%
67	0.00%	0.00%
68	0.00%	0.00%
69	0.00%	0.00%
70	N/A	0.00%
71	N/A	0.00%
72	N/A	0.00%
73	N/A	0.00%
74	N/A	0.00%
75	N/A	0.00%
76	N/A	0.00%
77	N/A	0.00%
78	N/A	0.00%
79	N/A	0.00%
≥ 80	N/A	N/A

PROBABILITIES OF EARLY SERVICE RETIREMENT

*8.00% only applies to Tier 6 members; 0.00% otherwise.

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 2 Year 1 Age Year 1 25.00% ≤ 54 15.00% 15.00% 30.00% 15.00% 55 25.00% 15.00% 15.00% 30.00% 15.00% 56 25.00% 15.00% 15.00% 30.00% 15.00% 25.00% 57 15.00% 15.00% 30.00% 15.00% 25.00% 58 15.00% 15.00% 30.00% 15.00% 59 25.00% 15.00% 15.00% 30.00% 15.00% 60 30.00% 15.00% 15.00% 35.00% 15.00% 61 40.00% 20.00% 20.00% 45.00% 20.00% 62 50.00% 40.00% 40.00% 20.00% 20.00% 63 40.00% 30.00% 30.00% 20.00% 20.00% 64 40.00% 30.00% 30.00% 20.00% 20.00% 65 50.00% 40.00% 40.00% 25.00% 25.00% 40.00% 30.00% 30.00% 20.00% 20.00% 66 67 40.00% 30.00% 30.00% 20.00% 20.00% 68 40.00% 30.00% 30.00% 20.00% 20.00% 69 40.00% 30.00% 30.00% 20.00% 20.00% 70 100.00% 100.00% 100.00% 25.00% 25.00% 71 100.00% 100.00% 100.00% 25.00% 25.00% 72 100.00% 100.00% 100.00% 25.00% 25.00% 73 25.00% 25.00% 100.00% 100.00% 100.00% 74 100.00% 100.00% 100.00% 25.00% 25.00% 75 100.00% 100.00% 100.00% 25.00% 25.00% 76 100.00% 100.00% 100.00% 25.00% 25.00% 77 100.00% 100.00% 100.00% 25.00% 25.00% 78 100.00% 100.00% 100.00% 25.00% 25.00% 79 100.00% 100.00% 100.00% 25.00% 25.00% ≥80 100.00% 100.00% 100.00% 100.00% 100.00%

MANDATED PLAN MEMBERS

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 2 Year 1 Age Year 1 25.00% ≤ 54 15.00% 15.00% 25.00% 15.00% 25.00% 25.00% 55 15.00% 15.00% 15.00% 56 25.00% 15.00% 15.00% 25.00% 15.00% 25.00% 57 15.00% 15.00% 25.00% 15.00% 25.00% 58 15.00% 15.00% 25.00% 15.00% 59 25.00% 15.00% 15.00% 25.00% 15.00% 60 30.00% 15.00% 15.00% 30.00% 15.00% 61 40.00% 20.00% 20.00% 40.00% 20.00% 62 50.00% 40.00% 40.00% 50.00% 40.00% 63 40.00% 30.00% 30.00% 40.00% 30.00% 64 40.00% 30.00% 30.00% 40.00% 30.00% 65 50.00% 40.00% 40.00% 50.00% 40.00% 40.00% 30.00% 30.00% 40.00% 30.00% 66 67 40.00% 30.00% 30.00% 40.00% 30.00% 68 40.00% 30.00% 30.00% 40.00% 30.00% 69 40.00% 30.00% 30.00% 40.00% 30.00% 70 30.00% 100.00% 100.00% 100.00% 40.00% 71 100.00% 100.00% 100.00% 40.00% 30.00% 72 100.00% 100.00% 100.00% 40.00% 30.00% 73 30.00% 100.00% 100.00% 100.00% 40.00% 74 100.00% 100.00% 100.00% 40.00% 30.00% 75 100.00% 100.00% 100.00% 40.00% 30.00% 76 100.00% 100.00% 100.00% 40.00% 30.00% 77 100.00% 100.00% 100.00% 40.00% 30.00% 78 100.00% 100.00% 100.00% 40.00% 30.00% 79 100.00% 100.00% 100.00% 40.00% 30.00% ≥80 100.00% 100.00% 100.00% 100.00% 100.00%

ELECTED PLAN MEMBERS

Age	Current	Proposed
≤ 54	0.00%	0.00%
55	2.00%	2.00%
56	2.00%	2.00%
57	2.00%	2.00%
58	2.00%	2.00%
59	3.00%	3.00%
60	4.00%	4.00%
61	5.00%	5.00%
62	0.00%	5.00%*
63	0.00%	0.00%
64	0.00%	0.00%
65	0.00%	0.00%
66	0.00%	0.00%
67	0.00%	0.00%
68	0.00%	0.00%
69	0.00%	0.00%
70	N/A	0.00%
71	N/A	0.00%
72	N/A	0.00%
73	N/A	0.00%
74	N/A	0.00%
75	N/A	0.00%
76	N/A	0.00%
77	N/A	0.00%
78	N/A	0.00%
79	N/A	0.00%
≥ 80	N/A	N/A

PROBABILITIES OF EARLY SERVICE RETIREMENT

*5.00% only applies to Tier 6 members; 0.00% otherwise.

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 1 Year 2 Year 1 Age 30.00% ≤ 54 20.00% 20.00% 30.00% 20.00% 30.00% 55 20.00% 20.00% 30.00% 20.00% 56 30.00% 20.00% 20.00% 30.00% 20.00% 30.00% 20.00% 30.00% 20.00% 57 20.00% 30.00% 20.00% 58 20.00% 30.00% 20.00% 59 30.00% 20.00% 20.00% 30.00% 20.00% 60 30.00% 20.00% 20.00% 20.00% 30.00% 61 30.00% 30.00% 30.00% 30.00% 30.00% 62 40.00% 40.00% 40.00% 40.00% 40.00% 63 30.00% 30.00% 30.00% 30.00% 30.00% 64 30.00% 30.00% 30.00% 30.00% 30.00% 65 40.00% 40.00% 40.00% 40.00% 40.00% 30.00% 30.00% 30.00% 30.00% 30.00% 66 67 30.00% 30.00% 30.00% 30.00% 30.00% 68 30.00% 30.00% 30.00% 30.00% 30.00% 69 30.00% 30.00% 30.00% 30.00% 30.00% 70 30.00% 100.00% 100.00% 100.00% 30.00% 71 100.00% 100.00% 100.00% 30.00% 30.00% 72 100.00% 100.00% 100.00% 30.00% 30.00% 73 30.00% 100.00% 100.00% 100.00% 30.00% 74 100.00% 100.00% 100.00% 30.00% 30.00% 75 100.00% 100.00% 100.00% 30.00% 30.00% 76 100.00% 100.00% 100.00% 30.00% 30.00% 77 100.00% 100.00% 100.00% 30.00% 30.00% 78 100.00% 100.00% 100.00% 30.00% 30.00% 79 100.00% 100.00% 100.00% 30.00% 30.00% ≥80 100.00% 100.00% 100.00% 100.00% 100.00%

MANDATED PLAN MEMBERS

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 1 Year 2 Year 1 Age 60.00% ≤ 54 30.00% 30.00% 60.00% 30.00% 30.00% 55 60.00% 30.00% 60.00% 30.00% 56 60.00% 30.00% 30.00% 60.00% 30.00% 60.00% 30.00% 30.00% 30.00% 57 60.00% 60.00% 30.00% 60.00% 58 30.00% 30.00% 59 60.00% 30.00% 30.00% 60.00% 30.00% 60 60.00% 30.00% 30.00% 30.00% 60.00% 61 60.00% 30.00% 30.00% 60.00% 30.00% 62 60.00% 40.00% 40.00% 60.00% 40.00% 63 40.00% 30.00% 30.00% 40.00% 30.00% 64 40.00% 30.00% 30.00% 40.00% 30.00% 65 60.00% 40.00% 40.00% 60.00% 40.00% 40.00% 30.00% 30.00% 40.00% 30.00% 66 67 40.00% 30.00% 30.00% 40.00% 30.00% 68 40.00% 30.00% 30.00% 40.00% 30.00% 69 40.00% 30.00% 30.00% 40.00% 30.00% 70 30.00% 100.00% 100.00% 100.00% 40.00% 71 100.00% 100.00% 100.00% 40.00% 30.00% 72 100.00% 100.00% 100.00% 40.00% 30.00% 73 30.00% 100.00% 100.00% 100.00% 40.00% 74 100.00% 100.00% 100.00% 40.00% 30.00% 75 100.00% 100.00% 100.00% 40.00% 30.00% 76 100.00% 100.00% 100.00% 40.00% 30.00% 77 100.00% 100.00% 100.00% 40.00% 30.00% 78 100.00% 100.00% 100.00% 40.00% 30.00% 79 100.00% 100.00% 100.00% 40.00% 30.00% ≥80 100.00% 100.00% 100.00% 100.00% 100.00%

ELECTED PLAN MEMBERS

PROBABILITIES OF EARLY SERVICE RETIREMENT

Age	Current & Proposed	
≤ 54	0.00%	
55	2.00%	
56	2.00%	
57	2.00%	
58	2.00%	
59	3.00%	
60	4.00%	
61	5.00%	
62	0.00%	
63	0.00%	
64	0.00%	
65	0.00%	
66	0.00%	
67	0.00%	
68	0.00%	
69	0.00%	
70	N/A	
71	N/A	
72	N/A	
73	N/A	
74	N/A	
75	N/A	
76	N/A	
77	N/A	
78	N/A	
79	N/A	
≥ 80	N/A	

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: SANITATION

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 2 Age Year 1 Year 1 ≤ 45 40.00% 20.00% 20.00% 30.00% 10.00% 46 40.00% 20.00% 20.00% 30.00% 10.00% 40.00% 20.00% 20.00% 30.00% 10.00% 47 48 40.00% 20.00% 20.00% 30.00% 10.00% 40.00% 49 20.00% 20.00% 30.00% 10.00% 50 40.00% 20.00% 20.00% 30.00% 10.00% 51 40.00% 20.00% 20.00% 30.00% 10.00% 52 20.00% 40.00% 20.00% 30.00% 10.00% 53 40.00% 20.00% 20.00% 30.00% 10.00% 54 40.00% 20.00% 20.00% 30.00% 10.00% 55 40.00% 20.00% 20.00% 30.00% 10.00% 56 40.00% 20.00% 20.00% 30.00% 10.00% 57 40.00% 20.00% 20.00% 30.00% 10.00% 58 40.00% 20.00% 20.00% 30.00% 10.00% 59 40.00% 20.00% 20.00% 30.00% 10.00% 60 40.00% 20.00% 20.00% 30.00% 10.00% 61 40.00% 30.00% 30.00% 30.00% 15.00% 62 60.00% 40.00% 40.00% 45.00%/30.00%* 20.00%/15.00%** 40.00% 30.00% 15.00% 63 30.00% 30.00% 64 40.00% 30.00% 30.00% 30.00% 15.00% 40.00% 65 60.00% 40.00% 45.00% 20.00% 66 40.00% 30.00% 30.00% 30.00% 15.00% 67 40.00% 30.00% 30.00% 30.00% 15.00% 68 40.00% 30.00% 30.00% 30.00% 15.00% 69 40.00% 30.00% 30.00% 30.00% 15.00% ≥ 70 100.00% 100.00% 100.00% 100.00% 100.00%

MANDATED PLAN MEMBERS

*45.00% for Tier 1, 2 & 4 members and 30.00% for Tier 6 members.

**20.00% for Tier 1,2 & 4 members and 15.00% for Tier 6 members.

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: SANITATION

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

Current Proposed Ultimate Ultimate Year 2 Year 1 Age Year 1 40.00% ≤ 45 20.00% 15.00% 40.00% 15.00% 46 42.00% 20.00% 15.00% 42.00% 15.00% 47 44.00% 20.00% 15.00% 44.00% 15.00% 46.00% 48 20.00% 15.00% 46.00% 15.00% 48.00% 20.00% 48.00% 49 15.00% 15.00% 50 50.00% 20.00% 15.00% 50.00% 15.00% 51 52.00% 15.00% 20.00% 52.00% 15.00% 52 54.00% 20.00% 15.00% 54.00% 15.00% 53 56.00% 20.00% 15.00% 56.00% 15.00% 54 58.00% 20.00% 15.00% 58.00% 15.00% 55 15.00% 60.00% 20.00% 15.00% 60.00% 56 60.00% 20.00% 16.00% 60.00% 16.00% 57 60.00% 20.00% 17.00% 17.00% 60.00% 58 60.00% 20.00% 18.00% 60.00% 18.00% 59 60.00% 20.00% 19.00% 60.00% 19.00% 60 60.00% 20.00% 20.00% 60.00% 20.00% 60.00% 61 30.00% 25.00% 60.00% 25.00% 62 60.00% 40.00% 30.00% 60.00% 30.00% 40.00% 30.00% 20.00% 40.00% 20.00% 63 40.00% 64 30.00% 20.00% 40.00% 20.00% 65 60.00% 40.00% 30.00% 60.00% 30.00% 66 40.00% 30.00% 20.00% 40.00% 20.00% 67 40.00% 30.00% 20.00% 40.00% 20.00% 68 40.00% 30.00% 20.00% 40.00% 20.00% 69 40.00% 30.00% 20.00% 40.00% 20.00% ≥ 70 100.00% 100.00% 100.00% 100.00% 100.00%

ELECTED PLAN MEMBERS

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: SANITATION

PROBABILITIES OF EARLY SERVICE RETIREMENT

	Tier 1	, 2 & 4		Tier 6
Age	Current	Proposed	Service	Current & Proposed
≤ 54	0.00%	0.00%	≤ 19	0.00%
55	2.00%	4.00%	20	5.00%
56	2.00%	4.00%	21	2.00%
57	2.00%	4.00%	22	5.00%
58	2.00%	4.00%	23	2.00%
59	3.00%	6.00%	24	2.00%
60	4.00%	8.00%	≥ 25	N/A
61	5.00%	10.00%		
62	0.00%	0.00%		
63	0.00%	0.00%		
64	0.00%	0.00%		
65	0.00%	0.00%		
66	0.00%	0.00%		
67	0.00%	0.00%		
68	0.00%	0.00%		
69	0.00%	0.00%		
≥ 70	N/A	N/A		

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

	Current & Proposed		
Age	Year 1	Ultimate	
	<pre></pre>	20.000/	
≤ 54	60.00%	20.00%	
55	60.00%	20.00%	
56	60.00%	20.00%	
57	60.00%	20.00%	
58	60.00%	20.00%	
59	60.00%	20.00%	
60	60.00%	20.00%	
61	60.00%	30.00%	
62	60.00%	40.00%	
≥ 63	100.00%	100.00%	

MANDATED PLAN MEMBERS

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

PROBABILITIES OF UNREDUCED SERVICE RETIREMENT

	Current & Proposed		
Age	Year 1	Ultimate	
≤ 54	70.00%	20.00%	
55	70.00%	20.00%	
56	70.00%	20.00%	
57	70.00%	20.00%	
58	70.00%	20.00%	
59	70.00%	20.00%	
60	70.00%	20.00%	
61	70.00%	30.00%	
62	70.00%	40.00%	
≥ 63	100.00%	100.00%	

ELECTED PLAN MEMBERS

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

	Tier 1, 2 & 3		Tier 6
Age	Current & Proposed	Service	Current & Proposed
≤ 54	0.00%	≤ 19	0.00%
55	2.00%	20	5.00%
56	2.00%	21	2.00%
57	2.00%	22	5.00%
58	2.00%	23	2.00%
59	3.00%	24	2.00%
60	4.00%	≥ 25	N/A
61	5.00%		
62	0.00%		
≥ 63	N/A		

PROBABILITIES OF EARLY SERVICE RETIREMENT

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM GENERAL, TRANSIT, TBTA, SANITATION & CORRECTION

PROBABILITIES OF MORTALITY FOR SERVICE RETIREES BASE TABLE MALES

Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0105%	68	2.1936%	1.8256%
16	N/A	0.0142%	69	2.3389%	1.9386%
10	N/A	0.0191%	70	2.4842%	2.0542%
18	N/A	0.0222%	70	2.7068%	2.2359%
10	0.0306%	0.0240%	72	2.9339%	2.4230%
20	0.0320%	0.0251%	73	3.1659%	2.6165%
20	0.0332%	0.0268%	74	3.4024%	2.8157%
22	0.0341%	0.0284%	75	3.6438%	3.0220%
23	0.0351%	0.0301%	76	4.2007%	3.4928%
23	0.0357%	0.0315%	70	4.7694%	3.9787%
25	0.0361%	0.0327%	78	5.3501%	4.4792%
25	0.0369%	0.0342%	70	5.9428%	4.9963%
20	0.0374%	0.0354%	80	6.5473%	5.5282%
27	0.0374%	0.0354%	80 81	7.1996%	
		-		-	6.1051%
29	0.0404%	0.0394%	82	7.8517%	6.6894%
30	0.0435%	0.0427%	83	8.5037%	7.2805%
31	0.0504%	0.0495%	84	9.1559%	7.8749%
32	0.0575%	0.0562%	85	9.8079%	8.4753%
33	0.0648%	0.0625%	86	11.0698%	9.6136%
34	0.0719%	0.0682%	87	12.3771%	10.8005%
35	0.0799%	0.0743%	88	13.7297%	12.0443%
36	0.0860%	0.0780%	89	15.1278%	13.3397%
37	0.0926%	0.0818%	90	16.5712%	14.6958%
38	0.1000%	0.0861%	91	18.4052%	16.4185%
39	0.1091%	0.0917%	92	20.2054%	18.1416%
40	0.1209%	0.0997%	93	21.9737%	19.8574%
41	0.1717%	0.1394%	94	23.7565%	21.6187%
42	0.2203%	0.1774%	95	25.7255%	23.5884%
43	0.2668%	0.2143%	96	27.6098%	25.4266%
44	0.3111%	0.2507%	97	29.4231%	27.2119%
45	0.3533%	0.2875%	98	31.2455%	29.0202%
46	0.3887%	0.3207%	99	32.8638%	30.6654%
47	0.4209%	0.3534%	100	34.3180%	32.1584%
48	0.4499%	0.3849%	101	35.8628%	33.7521%
49	0.4756%	0.4150%	102	37.1685%	35.1259%
50	0.4980%	0.4431%	103	38.3040%	36.3671%
51	0.5684%	0.5156%	104	39.2003%	37.3834%
52	0.6418%	0.5928%	105	39.7886%	38.1051%
53	0.7182%	0.6740%	106	40.0000%	38.4698%
54	0.7975%	0.7583%	107	40.0000%	38.6325%
55	0.8797%	0.8440%	108	40.0000%	38.8076%
56	0.9396%	0.9048%	109	40.0000%	38.9794%
57	0.9993%	0.9604%	110	100.0000%	50.0000%
58	1.0591%	1.0101%	111	N/A	50.0000%
59	1.1189%	1.0536%	112	N/A	50.0000%
60	1.1786%	1.0919%	112	N/A	50.0000%
61	1.3009%	1.1835%	113	N/A	50.0000%
62	1.4200%	1.2676%	114	N/A	50.0000%
63	1.5358%	1.3473%	115	N/A	50.0000%
		1.3473%			
64 65	1.6484%	-	117	N/A	50.0000% 50.0000%
65 66	1.7577%	1.4985%	118	N/A	-
66 67	1.9030%	1.6059%	119	N/A	50.0000%
67	2.0483%	1.7146%	120	N/A	100.0000%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM GENERAL, TRANSIT, TBTA, SANITATION & CORRECTION

PROBABILITIES OF MORTALITY FOR SERVICE RETIREES BASE TABLE FEMALES

			-		
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0092%	68	1.5930%	1.3605%
16	N/A	0.0112%	69	1.6707%	1.4332%
17	N/A	0.0122%	70	1.7416%	1.5007%
18	N/A	0.0133%	71	1.9340%	1.6745%
19	0.0175%	0.0143%	72	2.1220%	1.8463%
20	0.0177%	0.0145%	73	2.3059%	2.0157%
21	0.0180%	0.0153%	74	2.4854%	2.1838%
22	0.0181%	0.0161%	75	2.6609%	2.3492%
23	0.0185%	0.0171%	76	3.0053%	2.6652%
24	0.0189%	0.0183%	77	3.3498%	2.9831%
25	0.0196%	0.0195%	78	3.6942%	3.3011%
26	0.0204%	0.0208%	79	4.0386%	3.6207%
27	0.0213%	0.0221%	80	4.3831%	3.9391%
28	0.0224%	0.0236%	81	4.9279%	4.4386%
29	0.0237%	0.0252%	82	5.4831%	4.9473%
30	0.0254%	0.0270%	83	6.0487%	5.4665%
31	0.0312%	0.0330%	84	6.6246%	5.9942%
32	0.0366%	0.0384%	85	7.2110%	6.5354%
33	0.0418%	0.0431%	86	8.2234%	7.4659%
34	0.0466%	0.0471%	87	9.2358%	8.3995%
35	0.0518%	0.0511%	88	10.2481%	9.3428%
36	0.0563%	0.0542%	89	11.2605%	10.2918%
37	0.0617%	0.0579%	90	12.2729%	11.2477%
38	0.0674%	0.0618%	91	14.0131%	12.8868%
39	0.0741%	0.0666%	92	15.6962%	14.4887%
40	0.0812%	0.0719%	93	17.3412%	16.0801%
41	0.0883%	0.0775%	94	18.8767%	17.5854%
42	0.0980%	0.0859%	95	20.3531%	19.0626%
43	0.1100%	0.0968%	96	21.5243%	20.2474%
44	0.1247%	0.1111%	97	22.5407%	21.2937%
45	0.1422%	0.1287%	98	23.2572%	22.0663%
46	0.1626%	0.1501%	99	23.6605%	22.5443%
47	0.1854%	0.1748%	100	23.6704%	22.6473%
48	0.2102%	0.2022%	101	24.4834%	23.5294%
49	0.2367%	0.2319%	102	25.4498%	24.5619%
50	0.2646%	0.2633%	103	26.6044%	25.7825%
51	0.2983%	0.2999%	104	27.9055%	27.1635%
52	0.3346%	0.3376%	105	29.3116%	28.6530%
53	0.3736%	0.3762%	106	30.7811%	30.2169%
54	0.4156%	0.4151%	107	32.2725%	31.8182%
55	0.4608%	0.4540%	108	33.7441%	33.4131%
56	0.5300%	0.5132%	109	35.1544%	34.9566%
57	0.6048%	0.5735%	110	100.0000%	50.0000%
58	0.6846%	0.6353%	111	N/A	50.0000%
59	0.7688%	0.6981%	112	N/A	50.0000%
60	0.8572%	0.7631%	113	N/A	50.0000%
61	0.9519%	0.8329%	114	N/A	50.0000%
62	1.0318%	0.8908%	115	N/A	50.0000%
63	1.1100%	0.9493%	116	N/A	50.0000% 50.0000%
64 65	1.1932%	1.0146%	117	N/A	-
65 66	1.2814% 1.3758%	1.0876% 1.1681%	118 119	N/A	50.0000% 50.0000%
67	1.4817%	1.1681%	119	N/A N/A	100.0000%
07	1.701770	1.200770	120	11/12	100.000070

	PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE MALES				
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.2163%	68	4.4101%	3.8171%
16	N/A	0.2927%	69	4.4875%	3.8682%
17	N/A	0.3945%	70	4.5720%	3.9318%
18	N/A	0.4581%	71	4.8328%	4.1518%
19	0.6085%	0.4963%	72	5.1177%	4.3957%
20	0.6349%	0.5178%	73	5.4285%	4.6660%
21	0.6653%	0.5589%	74	5.7666%	4.9632%
22	0.6967%	0.6029%	75	6.1335%	5.2904%
23	0.7293%	0.6500%	76	6.6325%	5.7355%
24	0.7632%	0.7005%	77	7.1754%	6.2253%
25	0.7982%	0.7524%	78	7.7646%	6.7606%
26	0.8344%	0.8054%	79	8.4028%	7.3471%
27	0.8720%	0.8591%	80	9.0925%	7.9843%
28	0.9109%	0.9126%	81	9.8362%	8.6745%
29	0.9512%	0.9647%	82	10.6359%	9.4240%
30	0.9929%	1.0136%	83	11.4988%	10.2386%
31	1.0361%	1.0584%	84	12.4300%	11.1186%
32	1.0807%	1.0978%	85	13.4352%	12.0742%
33 34	1.1269% 1.1748%	1.1310% 1.1597%	86 87	14.1923% 14.7158%	12.8184% 13.3550%
34 35	1.1748%	1.1838%	87	15.3967%	13.3550%
33 36	1.2756%	1.2035%	89	16.1061%	14.7705%
30 37	1.3285%	1.2211%	90	16.8444%	15.5356%
37	1.3833%	1.2388%	91	18.7340%	17.3803%
30 39	1.4399%	1.2591%	92	20.8423%	19.4620%
40	1.4986%	1.2846%	93	22.8765%	21.5002%
41	1.5527%	1.3114%	94	24.8644%	23.5320%
42	1.6083%	1.3750%	95	26.8356%	25.5906%
43	1.6657%	1.4416%	96	28.6599%	27.4494%
44	1.7247%	1.5115%	97	30.3417%	29.1839%
45	1.7854%	1.5849%	98	31.9520%	30.8635%
46	1.8505%	1.6617%	99	33.2679%	32.2842%
47	1.9161%	1.7422%	100	34.3180%	33.4447%
48	2.0123%	1.8267%	101	35.8628%	35.1022%
49	2.1105%	1.9153%	102	37.1685%	36.5309%
50	2.2111%	2.0462%	103	38.3040%	37.8218%
51	2.3628%	2.2291%	104	39.2003%	38.8787%
52	2.5209%	2.4215%	105	39.7886%	39.6293%
53	2.6877%	2.6231%	106	40.0000%	40.0086%
54 55	2.8612%	2.8293%	107	40.0000%	40.1778%
55 56	3.0411%	3.0344%	108	40.0000%	40.3599%
56 57	3.1101%	3.1146%	109	40.0000% 100.0000%	40.5386%
57 58	3.1789%	3.1774% 3.2218%	110 111		50.0000% 50.0000%
58 59	3.2482% 3.3180%	3.2218%	111	N/A N/A	50.0000%
59 60	3.3180%	3.2648%	112	N/A N/A	50.0000%
60 61	3.5379%	3.3472%	113	N/A N/A	50.0000%
62	3.6942%	3.4295%	114	N/A	50.0000%
63	3.8579%	3.5199%	115	N/A	50.0000%
64	4.0308%	3.6208%	110	N/A	50.0000%
65	4.2146%	3.7368%	117	N/A	50.0000%
66	4.2740%	3.7511%	119	N/A	50.0000%
67	4.3391%	3.7776%	120	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE FEMALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.1980%	68	3.4969%	2.9280%
16	N/A	0.2680%	69	3.5668%	2.9997%
17	N/A	0.3612%	70	3.6536%	3.0865%
18	N/A	0.3913%	71	3.7165%	3.1548%
19	0.5256%	0.4214%	72	4.0156%	3.4254%
20	0.5508%	0.4416%	73	4.3517%	3.7295%
21	0.5763%	0.4807%	74	4.6038%	3.9658%
22	0.6011%	0.5231%	75	4.9048%	4.2453%
23 24	0.6234% 0.6532%	0.5662% 0.6186%	76 77	5.2027% 5.4934%	4.5234% 4.7961%
24 25	0.6532% 0.6841%	0.6186%	77	5.4934% 5.8786%	4.7961%
25 26	0.6841%	0.6680%	78 79	6.3569%	5.1502%
20 27	0.7586%	0.7727%	80	6.9192%	6.0964%
28	0.8080%	0.8346%	81	7.5330%	6.6521%
29	0.8653%	0.9008%	82	8.2017%	7.2551%
30	0.8988%	0.9373%	83	8.9289%	7.9112%
31	0.9275%	0.9629%	84	9.7180%	8.6209%
32	0.9686%	0.9955%	85	10.5082%	9.3370%
33	1.0172%	1.0289%	86	11.2924%	10.0511%
34	1.0679%	1.0577%	87	12.1161%	10.8029%
35	1.1207%	1.0841%	88	12.8141%	11.4531%
36	1.1756%	1.1092%	89	14.0131%	12.5564%
37 38	1.2331%	1.1344%	90 91	15.6962%	14.1031%
38 39	1.2930% 1.3553%	1.1618% 1.1939%	91	17.4458% 18.9906%	15.7291% 17.1860%
39 40	1.4115%	1.2249%	92	20.3531%	18.5029%
41	1.4608%	1.2570%	94	21.5243%	19.6588%
42	1.5115%	1.2982%	95	22.6766%	20.8223%
43	1.5637%	1.3497%	96	23.3974%	21.5778%
44	1.6103%	1.4058%	97	23.6605%	21.9133%
45	1.6681%	1.4809%	98	23.6802%	22.0663%
46	1.7276%	1.5639%	99	24.6308%	23.0087%
47	1.7889%	1.6535%	100	24.6509%	23.1230%
48	1.8407%	1.7359%	101	25.0504%	23.6022%
49	1.8962%	1.8218%	102	25.4498%	24.5619%
50 51	1.9396%	1.8919%	103	26.6044%	25.7825%
51 52	2.0123% 2.0723%	1.9830% 2.0502%	104 105	27.9055% 29.3116%	27.1635% 28.6530%
52 53	2.1318%	2.1047%	105	30.7811%	28.6530% 30.2169%
53 54	2.2368%	2.1904%	100	32.2725%	31.8182%
55	2.3434%	2.2636%	107	33.7441%	33.4131%
56	2.4684%	2.3429%	109	35.1544%	34.9566%
57	2.6120%	2.4285%	110	100.0000%	50.0000%
58	2.7933%	2.5412%	111	N/A	50.0000%
59	2.8742%	2.5588%	112	N/A	50.0000%
60	2.9557%	2.5795%	113	N/A	50.0000%
61	3.0386%	2.6067%	114	N/A	50.0000%
62	3.1039%	2.6272%	115	N/A	50.0000%
63	3.1698%	2.6579%	116	N/A	50.0000%
64	3.3299%	2.7759%	117	N/A	50.0000%
65 66	3.3778%	2.8107%	118 119	N/A N/A	50.0000% 50.0000%
66 67	3.4034% 3.4429%	2.8328% 2.8725%	119	N/A N/A	100.0000%

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE MALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.2122%	68	4.4101%	3.7437%
16	N/A	0.2871%	69	4.4875%	3.7938%
17	N/A	0.3869%	70	4.5720%	3.8562%
18	N/A	0.4493%	71	4.8328%	4.0719%
19	0.6085%	0.4867%	72	5.1177%	4.3111%
20	0.6349%	0.5079%	73	5.4285%	4.5762%
21	0.6653%	0.5481%	74	5.7666%	4.8677%
22	0.6967%	0.5913%	75	6.1335%	5.1886%
23	0.7293%	0.6375%	76	6.6325%	5.6252%
24	0.7632%	0.6871%	77	7.1754%	6.1056%
25	0.7982%	0.7380%	78 70	7.7646%	6.6306%
26	0.8344%	0.7899%	79	8.4028%	7.2058%
27	0.8720%	0.8426%	80	9.0925%	7.8307%
28 29	0.9109%	0.8951%	81 82	9.8362%	8.5077%
29 30	0.9512% 0.9929%	0.9462% 0.9941%	83	10.6359% 11.4988%	9.2427% 10.0417%
30 31	1.0361%	1.0381%	84	12.4300%	10.9048%
32	1.0807%	1.0767%	85	13.4352%	11.8420%
33	1.1269%	1.1093%	86	14.1923%	12.5719%
34	1.1748%	1.1374%	87	14.7158%	13.0981%
35	1.2244%	1.1611%	88	15.3967%	13.7768%
36	1.2756%	1.1803%	89	16.1061%	14.4864%
37	1.3285%	1.1976%	90	16.8444%	15.2369%
38	1.3833%	1.2150%	91	18.7340%	17.0460%
39	1.4399%	1.2349%	92	20.8423%	19.0878%
40	1.4986%	1.2599%	93	22.8765%	21.0868%
41	1.5527%	1.2862%	94	24.8644%	23.0794%
42	1.6083%	1.3485%	95	26.8356%	25.0984%
43	1.6657%	1.4139%	96	28.6599%	26.9216%
44	1.7247%	1.4825%	97	30.3417%	28.6226%
45	1.7854%	1.5544%	98	31.9520%	30.2699%
46 47	1.8505% 1.9161%	1.6298% 1.7087%	99 100	33.2679% 34.3180%	31.6634% 32.8016%
47	2.0123%	1.7915%	100	35.8628%	34.4271%
40 49	2.1105%	1.8784%	101	37.1685%	35.8284%
50	2.21105 %	2.0069%	102	38.3040%	37.0944%
51	2.3628%	2.1863%	103	39.2003%	38.1311%
52	2.5209%	2.3750%	105	39.7886%	38.8672%
53	2.6877%	2.5726%	106	40.0000%	39.2392%
54	2.8612%	2.7749%	107	40.0000%	39.4052%
55	3.0411%	2.9761%	108	40.0000%	39.5838%
56	3.1101%	3.0547%	109	40.0000%	39.7590%
57	3.1789%	3.1163%	110	100.0000%	50.0000%
58	3.2482%	3.1599%	111	N/A	50.0000%
59	3.3180%	3.1868%	112	N/A	50.0000%
60	3.3885%	3.2020%	113	N/A	50.0000%
61	3.5379%	3.2829%	114	N/A	50.0000%
62	3.6942%	3.3636%	115	N/A	50.0000%
63	3.8579%	3.4522%	116	N/A	50.0000%
64 (5	4.0308%	3.5511%	117	N/A	50.0000%
65 66	4.2146% 4.2740%	3.6650%	118 119	N/A	50.0000% 50.0000%
66 67	4.2740% 4.3391%	3.6789% 3.7049%	119	N/A N/A	100.0000%

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE FEMALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.1981%	68	3.4969%	2.9280%
16	N/A	0.2680%	69	3.5668%	2.9997%
17	N/A	0.3612%	70	3.6536%	3.0865%
18	N/A	0.3913%	71	3.7165%	3.1548%
19	0.5256%	0.4214%	72	4.0156%	3.4254%
20	0.5508%	0.4416%	73	4.3517%	3.7295%
21	0.5763%	0.4807%	74	4.6038%	3.9658%
22	0.6011%	0.5231%	75	4.9048%	4.2453%
23	0.6234%	0.5662%	76	5.2027%	4.5234%
24	0.6532%	0.6186%	77	5.4934%	4.7961%
25	0.6841%	0.6680%	78	5.8786%	5.1502%
26	0.7161%	0.7165%	79	6.3569%	5.5873%
27	0.7586%	0.7727%	80	6.9192%	6.0964%
28	0.8080%	0.8346%	81	7.5330%	6.6521%
29	0.8653%	0.9008%	82	8.2017%	7.2551%
30	0.8988%	0.9373%	83	8.9289%	7.9112%
31	0.9275%	0.9629%	84	9.7180%	8.6209%
32	0.9686%	0.9955%	85	10.5082%	9.3370%
33	1.0172%	1.0289%	86	11.2924%	10.0511%
34 35	1.0679% 1.1207%	1.0577% 1.0841%	87 88	12.1161% 12.8141%	10.8029% 11.4531%
35 36	1.1207%	1.1092%	89	14.0131%	12.5564%
30 37	1.2331%	1.1344%	90	15.6962%	14.1031%
37	1.2930%	1.1618%	91	17.4458%	15.7291%
30 39	1.3553%	1.1939%	92	18.9906%	17.1860%
40	1.4115%	1.2249%	93	20.3531%	18.5029%
41	1.4608%	1.2570%	94	21.5243%	19.6588%
42	1.5115%	1.2982%	95	22.6766%	21.1183%
43	1.5637%	1.3497%	96	23.3974%	22.4310%
44	1.6103%	1.4058%	97	23.6605%	23.5901%
45	1.6681%	1.4809%	98	23.6802%	24.4460%
46	1.7276%	1.5639%	99	24.6308%	24.9756%
47	1.7889%	1.6535%	100	24.6509%	25.0896%
48	1.8407%	1.7359%	101	25.0504%	26.0668%
49	1.8962%	1.8218%	102	25.4498%	27.2107%
50	1.9396%	1.8919%	103	26.6044%	28.5630%
51	2.0123%	1.9830%	104	27.9055%	30.0929%
52	2.0723%	2.0502%	105	29.3116%	31.7431%
53	2.1318%	2.1047%	106	30.7811%	33.4756%
54	2.2368%	2.1904%	107	32.2725%	35.2496%
55	2.3434%	2.2636%	108	33.7441%	37.0164%
56 57	2.4684%	2.3429%	109	35.1544%	38.7265%
57	2.6120%	2.4285%	110	100.0000%	50.0000%
58 50	2.7933%	2.5412%	111	N/A	50.0000%
59 60	2.8742%	2.5588%	112	N/A	50.0000%
60 61	2.9557%	2.5795%	113 114	N/A N/A	50.0000% 50.0000%
61 62	3.0386% 3.1039%	2.6067% 2.6272%	114	N/A N/A	50.0000%
62 63	3.1698%	2.6579%	115	N/A N/A	50.0000%
63 64	3.3299%	2.7759%	110	N/A N/A	50.0000%
64 65	3.3778%	2.8107%	117	N/A N/A	50.0000%
66	3.4034%	2.8328%	110	N/A N/A	50.0000%
67	3.4429%	2.8725%	120	N/A	100.0000%

	PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE MALES					
Age	Current	Proposed	Age	Current	Proposed	
15	N/A	0.1891%	68	2.9652%	2.4678%	
16	N/A	0.2558%	69	3.1675%	2.6254%	
17	N/A	0.3448%	70	3.3886%	2.8020%	
18	N/A	0.4004%	71	3.6707%	3.0322%	
19	0.5531%	0.4338%	72	3.9812%	3.2880%	
20	0.5644%	0.4426%	73	4.3231%	3.5729%	
21	0.5786%	0.4674%	74	4.6989%	3.8887%	
22	0.5930%	0.4935%	75	5.1113%	4.2391%	
23	0.6078%	0.5209%	76	5.5886%	4.6469%	
24	0.6230%	0.5498%	77	6.1129%	5.0995%	
25	0.6386%	0.5788%	78	6.6872%	5.5986%	
26	0.6545%	0.6074%	79	7.3156%	6.1505%	
27	0.6708%	0.6355%	80	8.0024%	6.7568%	
28	0.6875%	0.6623%	81	8.7995%	7.4618%	
29	0.7046%	0.6871%	82	9.5965%	8.1760%	
30	0.7222%	0.7089%	83	10.3935%	8.8984%	
31	0.7401%	0.7269%	84	11.1905%	9.6249%	
32	0.7584%	0.7408%	85	11.9875%	10.3588%	
33	0.7773%	0.7501%	86	13.2356%	11.4945%	
34	0.7966%	0.7561%	87	14.4838%	12.6389%	
35	0.8162%	0.7710%	88	15.7320%	13.8008%	
36	0.8365%	0.7862%	89	16.9802%	14.9732%	
37	0.8572%	0.8017%	90	18.2283%	16.1654%	
38	0.8784%	0.8175%	91	20.3779%	18.1783%	
39	0.9000%	0.8336%	92	22.4348%	20.1433%	
40	0.9222%	0.8500%	93	24.3812%	22.0331%	
41 42	0.9410% 0.9602%	0.8668%	94 95	26.2493%	23.8872%	
42 43	0.9798%	0.8839% 0.9013%	95 96	28.0689% 29.4999%	25.7371% 27.1672%	
43 44	0.9998%	0.9191%	90	30.8427%	28.5248%	
44 45	1.0202%	0.9372%	97	32.1874%	29.8950%	
43 46	1.0202%	0.9556%	99	33.3301%	31.1005%	
40	1.0358%	0.9745%	100	34.3180%	32.1584%	
48	1.0591%	0.9937%	100	35.8628%	33.7521%	
49	1.0824%	1.0133%	101	37.1685%	35.1259%	
50	1.1056%	1.0332%	102	38.3040%	36.3671%	
50	1.1615%	1.0536%	103	39.2003%	37.3834%	
52	1.2194%	1.1263%	101	39.7886%	38.1051%	
53	1.2804%	1.2016%	106	40.0000%	38.4698%	
54	1.3435%	1.2775%	107	40.0000%	38.6325%	
55	1.4086%	1.3514%	108	40.0000%	38.8076%	
56	1.4822%	1.4272%	109	40.0000%	38.9794%	
57	1.5587%	1.4980%	110	100.0000%	50.0000%	
58	1.6382%	1.5624%	111	N/A	50.0000%	
59	1.7211%	1.6206%	112	N/A	50.0000%	
60	1.8072%	1.6742%	113	N/A	50.0000%	
61	1.9209%	1.7475%	114	N/A	50.0000%	
62	2.0414%	1.8222%	115	N/A	50.0000%	
63	2.1691%	1.9029%	116	N/A	50.0000%	
64	2.3051%	1.9910%	117	N/A	50.0000%	
65	2.4511%	2.0897%	118	N/A	50.0000%	
66	2.6086%	2.2014%	119	N/A	50.0000%	
67	2.7794%	2.3267%	120	N/A	100.0000%	

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE FEMALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.1809%	68	2.3211%	1.9435%
16	N/A	0.2447%	69	2.4852%	2.0901%
17	N/A	0.3299%	70	2.6480%	2.2370%
18	N/A	0.3831%	71	2.8249%	2.3979%
19	0.5146%	0.4126%	72	3.0176%	2.5741%
20	0.5288%	0.4240%	73	3.2280%	2.7665%
21	0.5431%	0.4530%	74	3.4968%	3.0122%
22	0.5464%	0.4755%	75	3.8156%	3.3026%
23	0.5541%	0.5033%	76	4.1432%	3.6022%
24	0.5682%	0.5381%	77	4.4762%	3.9080%
25	0.5822%	0.5685%	78	4.8989%	4.2919%
26	0.5968%	0.5972%	79	5.3564%	4.7080%
27	0.6193%	0.6308%	80	5.8946%	5.1937%
28	0.6464%	0.6535%	81	6.4877%	5.7290%
29 30	0.6787%	0.6771%	82 83	7.1406%	6.3165%
30 31	0.6914% 0.7000%	0.7014% 0.7267%	83 84	7.8584% 8.6937%	6.9627% 7.7122%
31 32	0.7175%	0.7374%	84 85	9.4812%	8.4245%
32 33	0.7399%	0.7484%	86	9.4812% 10.2069%	9.0849%
33 34	0.7628%	0.7555%	87	10.9897%	9.7986%
35	0.7864%	0.7607%	88	11.7725%	10.5221%
36	0.8110%	0.7652%	89	12.9201%	11.5771%
37	0.8361%	0.7692%	90	14.2242%	12.7805%
38	0.8619%	0.7745%	91	15.5436%	14.0140%
39	0.8887%	0.7829%	92	16.7768%	15.1826%
40	0.9108%	0.7904%	93	18.0102%	16.3730%
41	0.9276%	0.7982%	94	20.1341%	18.3891%
42	0.9448%	0.8115%	95	22.3003%	20.4768%
43	0.9622%	0.8305%	96	23.3974%	21.5778%
44	0.9759%	0.8519%	97	23.6605%	21.9133%
45	0.9959%	0.8842%	98	23.6802%	22.0663%
46	1.0163%	0.9200%	99	24.6308%	23.0087%
47	1.0341%	0.9558%	100	24.6509%	23.1230%
48	1.0518%	0.9919%	101	25.0504%	23.6022%
49 50	1.0535%	1.0122%	102	25.4498%	24.5619%
50 51	1.0563%	1.0303%	103	26.6044%	25.7825%
51 52	1.0591% 1.0628%	1.0437% 1.0515%	104 105	27.9055% 29.3116%	27.1635% 28.6530%
52 53	1.0628%	1.0523%	105	30.7811%	30.2169%
53 54	1.0995%	1.0767%	100	32.2725%	31.8182%
55	1.1335%	1.0949%	107	33.7441%	33.4131%
56	1.1759%	1.1161%	100	35.1544%	34.9566%
57	1.2264%	1.1402%	110	100.0000%	50.0000%
58	1.2938%	1.1770%	111	N/A	50.0000%
59	1.3698%	1.2195%	112	N/A	50.0000%
60	1.4492%	1.2648%	113	N/A	50.0000%
61	1.5325%	1.3147%	114	N/A	50.0000%
62	1.6100%	1.3627%	115	N/A	50.0000%
63	1.6906%	1.4176%	116	N/A	50.0000%
64	1.8080%	1.5072%	117	N/A	50.0000%
65	1.9213%	1.5987%	118	N/A	50.0000%
66	2.0541%	1.7097%	119	N/A	50.0000%
67	2.1828%	1.8212%	120	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE MALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.1529%	68	2.9652%	2.0976%
16	N/A	0.2068%	69	3.1675%	2.2316%
17	N/A	0.2788%	70	3.3886%	2.3817%
18	N/A	0.3328%	71	3.6707%	2.5774%
19	0.5531%	0.3687%	72	3.9812%	2.7948%
20	0.5644%	0.3762%	73	4.3231%	3.0370%
21	0.5786%	0.3973%	74	4.6989%	3.3054%
22	0.5930%	0.4195%	75	5.1113%	3.6032%
23	0.6078%	0.4428%	76	5.5886%	3.9499%
24	0.6230%	0.4673%	77	6.1129%	4.3346%
25	0.6386%	0.4920%	78	6.6872%	4.7588%
26	0.6545%	0.5163%	79	7.3156%	5.2279%
27	0.6708%	0.5402%	80	8.0024%	5.7433%
28	0.6875%	0.5630%	81	8.7995%	6.3425%
29	0.7046%	0.5840%	82	9.5965%	6.9496%
30	0.7222%	0.6026%	83	10.3935%	7.5636%
31	0.7401%	0.6179%	84	11.1905%	8.1812%
32	0.7584%	0.6297%	85	11.9875%	8.8050%
33	0.7773%	0.6376%	86	13.2356%	9.7703%
34 35	0.7966% 0.8162%	0.6427% 0.6554%	87 88	14.4838% 15.7320%	10.8005% 12.0443%
35 36	0.8162%	0.6683%	88	16.9802%	13.3397%
30 37	0.8572%	0.6814%	90	18.2283%	14.6958%
37	0.8784%	0.6949%	91	20.3779%	16.4185%
30 39	0.9000%	0.7086%	92	22.4348%	18.1416%
40	0.9222%	0.7225%	93	24.3812%	19.8574%
41	0.9410%	0.7368%	94	26.2493%	21.6187%
42	0.9602%	0.7513%	95	28.0689%	23.5884%
43	0.9798%	0.7661%	96	29.4999%	25.4266%
44	0.9998%	0.7812%	97	30.8427%	27.2119%
45	1.0202%	0.7966%	98	32.1874%	29.0202%
46	1.0281%	0.8123%	99	33.3301%	30.6654%
47	1.0358%	0.8283%	100	34.3180%	32.1584%
48	1.0591%	0.8446%	101	35.8628%	33.7521%
49	1.0824%	0.8613%	102	37.1685%	35.1259%
50	1.1056%	0.8782%	103	38.3040%	36.3671%
51	1.1615%	0.8956%	104	39.2003%	37.3834%
52	1.2194%	0.9574%	105	39.7886%	38.1051%
53	1.2804%	1.0214%	106	40.0000%	38.4698%
54	1.3435%	1.0859%	107	40.0000%	38.6325%
55	1.4086%	1.1487%	108	40.0000%	38.8076%
56	1.4822%	1.2131%	109	40.0000%	38.9794%
57	1.5587%	1.2733%	110	100.0000%	50.0000%
58 50	1.6382%	1.3280%	111	N/A	50.0000%
59 60	1.7211%	1.3775%	112	N/A	50.0000%
60 61	1.8072%	1.4231%	113	N/A	50.0000%
61 62	1.9209% 2.0414%	1.4854% 1.5489%	114 115	N/A N/A	50.0000% 50.0000%
62 63		1.6175%	115	N/A N/A	50.0000%
63 64	2.1691% 2.3051%	1.6924%	116	N/A N/A	50.0000%
64 65	2.3051% 2.4511%	1.6924%	117	N/A N/A	50.0000%
65 66	2.6086%	1.8712%	118	N/A N/A	50.0000%
67	2.7794%	1.9777%	119	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE FEMALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.1504%	68	2.3211%	1.9435%
13 16	N/A	0.2034%	69	2.4852%	2.0901%
10	N/A	0.2742%	70	2.6480%	2.2370%
18	N/A	0.3273%	70	2.8249%	2.3979%
19	0.5146%	0.3507%	72	3.0176%	2.5741%
20	0.5288%	0.3604%	73	3.2280%	2.7665%
21	0.5431%	0.3851%	74	3.4968%	3.0122%
22	0.5464%	0.4042%	75	3.8156%	3.3026%
23	0.5541%	0.4278%	76	4.1432%	3.6022%
24	0.5682%	0.4574%	77	4.4762%	3.9080%
25	0.5822%	0.4832%	78	4.8989%	4.2919%
26	0.5968%	0.5076%	79	5.3564%	4.7080%
27	0.6193%	0.5362%	80	5.8946%	5.1937%
28	0.6464%	0.5555%	81	6.4877%	5.7290%
29	0.6787%	0.5755%	82	7.1406%	6.3165%
30	0.6914%	0.5962%	83	7.8584%	6.9627%
31	0.7000%	0.6177%	84	8.6937%	7.7122%
32	0.7175%	0.6268%	85	9.4812%	8.4245%
33	0.7399%	0.6361%	86	10.2069%	9.0849%
34	0.7628%	0.6422%	87	10.9897%	9.7986%
35	0.7864%	0.6466%	88	11.7725%	10.5221%
36	0.8110%	0.6504%	89	12.9201%	11.5771%
37	0.8361%	0.6538%	90	14.2242%	12.7805%
38	0.8619%	0.6583%	91	15.5436%	14.0140%
39	0.8887%	0.6655%	92	16.7768%	15.1826%
40	0.9108%	0.6718%	93	18.0102%	16.3730%
41	0.9276%	0.6785%	94	20.1341%	18.3891%
42	0.9448%	0.6898%	95	22.3003%	20.4768%
43	0.9622%	0.7059%	96	23.3974%	21.5778%
44	0.9759%	0.7241%	97	23.6605%	21.9133%
45	0.9959%	0.7516%	98	23.6802%	22.0663%
46	1.0163%	0.7820%	99	24.6308%	23.0087%
47 48	1.0341%	0.8124%	100	24.6509% 25.0504%	23.1230% 23.6022%
48 49	1.0518%	0.8431% 0.8604%	101	25.0504% 25.4498%	23.6022%
49 50	1.0535% 1.0563%	0.8758%	102 103	25.4498% 26.6044%	24.5619% 25.7825%
50 51	1.0503%	0.8871%	103	27.9055%	25.7825%
51 52	1.0628%	0.8938%	104	29.3116%	27.1635%
52 53	1.0659%	0.8945%	103	30.7811%	30.2169%
53 54	1.0995%	0.9896%	100	32.2725%	31.8182%
55	1.1335%	1.0949%	107	33.7441%	33.4131%
56	1.1759%	1.1161%	100	35.1544%	34.9566%
57	1.2264%	1.1402%	110	100.0000%	50.0000%
58	1.2938%	1.1770%	111	N/A	50.0000%
59	1.3698%	1.2195%	112	N/A	50.0000%
60	1.4492%	1.2648%	113	N/A	50.0000%
61	1.5325%	1.3147%	114	N/A	50.0000%
62	1.6100%	1.3627%	115	N/A	50.0000%
63	1.6906%	1.4176%	116	N/A	50.0000%
64	1.8080%	1.5072%	117	N/A	50.0000%
65	1.9213%	1.5987%	118	N/A	50.0000%
66	2.0541%	1.7097%	119	N/A	50.0000%
67	2.1828%	1.8212%	120	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR SERVICE RETIREES BASE TABLE MALES

N/A N/A N/A N/A 0.0306% 0.0320% 0.0321% 0.0351% 0.0351% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	Proposed 0.0100% 0.0135% 0.0181% 0.0217% 0.0240% 0.0251% 0.0268% 0.0284% 0.0301% 0.0315% 0.0327% 0.0327% 0.0354% 0.0354% 0.0371%	Age 68 69 70 71 72 73 74 75 76 77 78 79 80	Current 1.8009% 2.0410% 2.2892% 2.5456% 2.8106% 3.1257% 3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	Proposed 1.4988% 1.6917% 1.8929% 2.1028% 2.3212% 2.5833% 2.8558% 3.1397% 3.4343% 3.7415% 4.2304% 4.7399%
N/A N/A N/A 0.0306% 0.0320% 0.0332% 0.0351% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0135% 0.0181% 0.0217% 0.0240% 0.0251% 0.0268% 0.0284% 0.0301% 0.0315% 0.0327% 0.0327% 0.0354% 0.0371%	69 70 71 72 73 74 75 76 77 78 79	2.0410% 2.2892% 2.5456% 3.1257% 3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	1.6917% 1.8929% 2.1028% 2.3212% 2.5833% 2.8558% 3.1397% 3.4343% 3.7415% 4.2304%
N/A N/A 0.0306% 0.0320% 0.0332% 0.0351% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0181% 0.0217% 0.0251% 0.0268% 0.0284% 0.0301% 0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	70 71 72 73 74 75 76 77 78 79	2.2892% 2.5456% 2.8106% 3.1257% 3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	1.8929% 2.1028% 2.3212% 2.5833% 2.8558% 3.1397% 3.4343% 3.7415% 4.2304%
N/A 0.0306% 0.0320% 0.0332% 0.0341% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0217% 0.0240% 0.0251% 0.0268% 0.0284% 0.0301% 0.0315% 0.0327% 0.0327% 0.0354% 0.0371%	71 72 73 74 75 76 77 78 79	2.5456% 2.8106% 3.1257% 3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	2.1028% 2.3212% 2.5833% 2.8558% 3.1397% 3.4343% 3.7415% 4.2304%
0.0306% 0.0320% 0.0332% 0.0341% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0240% 0.0251% 0.0268% 0.0284% 0.0301% 0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	72 73 74 75 76 77 78 79	2.8106% 3.1257% 3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	2.3212% 2.5833% 2.8558% 3.1397% 3.4343% 3.7415% 4.2304%
0.0320% 0.0332% 0.0341% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0251% 0.0268% 0.0301% 0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	73 74 75 76 77 78 79	3.1257% 3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	2.5833% 2.8558% 3.1397% 3.4343% 3.7415% 4.2304%
0.0332% 0.0341% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0268% 0.0284% 0.0301% 0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	74 75 76 77 78 79	3.4508% 3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	2.8558% 3.1397% 3.4343% 3.7415% 4.2304%
0.0341% 0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0284% 0.0301% 0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	75 76 77 78 79	3.7857% 4.1303% 4.4850% 5.0530% 5.6378%	3.1397% 3.4343% 3.7415% 4.2304%
0.0351% 0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0301% 0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	76 77 78 79	4.1303% 4.4850% 5.0530% 5.6378%	3.4343% 3.7415% 4.2304%
0.0357% 0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0315% 0.0327% 0.0342% 0.0354% 0.0371%	77 78 79	4.4850% 5.0530% 5.6378%	3.7415% 4.2304%
0.0361% 0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0327% 0.0342% 0.0354% 0.0371%	78 79	5.0530% 5.6378%	4.2304%
0.0369% 0.0374% 0.0385% 0.0404% 0.0435%	0.0342% 0.0354% 0.0371%	79	5.6378%	
0.0374% 0.0385% 0.0404% 0.0435%	0.0354% 0.0371%			4.7399%
0.0385% 0.0404% 0.0435%	0.0371%	80		
0.0404% 0.0435%			6.2394%	5.2682%
0.0435%	0.000 10/	81	6.7457%	5.7202%
	0.0394%	82	7.2517%	6.1782%
	0.0427%	83	8.1970%	7.0179%
0.0501%				7.8631%
				8.7167%
				9.5810%
				10.4516%
				11.8437%
				13.2486%
				14.6752%
				16.3354%
				18.0374%
				19.7642%
				21.5622%
				23.4692%
				25.3619%
				27.1816%
				29.0095%
				30.6920%
				32.1584%
				33.7521%
				35.1259%
				36.3671%
-				37.3834%
				-
				38.1051% 38.4698%
				38.6325%
-				38.8076%
				38.9794%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
				50.0000%
1.5691%	1.3135%	120	N/A	100.0000%
	0.0501% 0.0569% 0.0705% 0.0779% 0.0832% 0.0882% 0.0938% 0.1005% 0.1005% 0.1235% 0.1235% 0.1374% 0.1509% 0.1641% 0.1769% 0.1895% 0.2017% 0.2135% 0.2251% 0.2364% 0.3089% 0.3796% 0.4485% 0.5157% 0.5521% 0.6083% 0.6646% 0.7208% 0.7770% 0.8333% 0.9277% 1.0256% 1.1271% 1.2323% 1.3410% 1.4532%	0.0501% $0.0492%$ $0.0569%$ $0.0556%$ $0.0638%$ $0.0616%$ $0.0705%$ $0.0669%$ $0.0779%$ $0.0724%$ $0.0832%$ $0.0755%$ $0.0882%$ $0.0779%$ $0.0938%$ $0.0808%$ $0.1005%$ $0.0845%$ $0.1093%$ $0.0901%$ $0.1235%$ $0.1003%$ $0.1374%$ $0.1106%$ $0.1509%$ $0.1212%$ $0.1641%$ $0.1323%$ $0.1769%$ $0.1439%$ $0.2017%$ $0.1693%$ $0.2251%$ $0.1964%$ $0.2364%$ $0.2104%$ $0.3396%$ $0.2802%$ $0.3796%$ $0.3506%$ $0.4485%$ $0.4209%$ $0.5521%$ $0.5297%$ $0.6083%$ $0.5857%$ $0.7208%$ $0.6875%$ $0.7770%$ $0.7316%$ $0.8333%$ $0.7720%$ $0.9277%$ $0.8439%$ $1.0256%$ $0.9155%$ $1.1271%$ $0.9888%$ $1.2323%$ $1.0644%$ $1.3410%$ $1.1433%$ $1.4532%$ $1.2263%$	0.0501% $0.0492%$ 84 $0.0569%$ $0.0556%$ 85 $0.0638%$ $0.0616%$ 86 $0.0705%$ $0.0669%$ 87 $0.0779%$ $0.0724%$ 88 $0.0832%$ $0.0755%$ 89 $0.0882%$ $0.0779%$ 90 $0.0938%$ $0.0808%$ 91 $0.1005%$ $0.0845%$ 92 $0.1093%$ $0.0901%$ 93 $0.1235%$ $0.1003%$ 94 $0.1374%$ $0.1106%$ 95 $0.1509%$ $0.1212%$ 96 $0.1641%$ $0.1323%$ 97 $0.1769%$ $0.1439%$ 98 $0.1895%$ $0.1563%$ 99 $0.2017%$ $0.1693%$ 100 $0.2135%$ $0.1827%$ 101 $0.2251%$ $0.1964%$ 102 $0.2364%$ $0.2104%$ 103 $0.3089%$ $0.2802%$ 104 $0.3796%$ $0.5297%$ 108 $0.6083%$ $0.5857%$ 109 $0.6646%$ $0.6387%$ 110 $0.7208%$ $0.6875%$ 111 $0.770%$ $0.7316%$ 112 $0.8333%$ $0.7720%$ 113 $0.9277%$ $0.8439%$ 114 $1.0256%$ $0.9155%$ 115 $1.1271%$ $0.9888%$ 116 $1.2323%$ $1.0644%$ 117 $1.3410%$ $1.1433%$ 118 $1.4532%$ $1.2263%$ 119	0.0501% $0.0492%$ 84 $9.1421%$ $0.0569%$ $0.0556%$ 85 $10.0872%$ $0.0638%$ $0.0616%$ 86 $11.0322%$ $0.0705%$ $0.0669%$ 87 $11.9773%$ $0.0779%$ $0.0724%$ 88 $13.5010%$ $0.0832%$ $0.0755%$ 89 $15.0245%$ $0.0882%$ $0.0779%$ 90 $16.5479%$ $0.0938%$ $0.0808%$ 91 $18.3120%$ $0.1005%$ $0.0845%$ 92 $20.0893%$ $0.1005%$ $0.0845%$ 92 $20.0893%$ $0.103%$ $0.901%$ 93 $21.8705%$ $0.1235%$ $0.1003%$ 94 $23.6944%$ $0.1374%$ $0.1106%$ 95 $25.595%$ $0.1509%$ $0.1212%$ 96 $27.5396%$ $0.1509%$ $0.1212%$ 96 $27.5396%$ $0.159%$ $0.1439%$ 98 $31.2340%$ $0.1769%$ $0.1439%$ 98 $31.2340%$ $0.1895%$ $0.1563%$ 99 $32.8923%$ $0.2017%$ $0.1693%$ 100 $34.3180%$ $0.2135%$ $0.1827%$ 101 $35.8628%$ $0.2251%$ $0.1964%$ 102 $37.1685%$ $0.2364%$ $0.2104%$ 103 $38.3040%$ $0.3506%$ 105 $39.7886%$ $0.4485%$ $0.4209%$ 106 $40.0000%$ $0.5521%$ $0.5297%$ 108 $40.0000%$ $0.5521%$ $0.5857%$ 109 $40.0000%$ $0.6684%$ $0.6875%$ 111 <

PROBABILITIES OF MORTALITY FOR SERVICE RETIREES BASE TABLE FEMALES

Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0084%	68	1.2698%	1.0632%
16	N/A	0.0103%	69	1.3845%	1.1644%
10	N/A	0.0112%	70	1.4949%	1.2629%
18	N/A	0.011270	70	1.7156%	1.4563%
10	0.0175%	0.0131%	71	1.9444%	1.6586%
20	0.0177%	0.0140%	72	2.1807%	1.8689%
20 21	0.0180%	0.0142%	73	2.4250%	2.0889%
21	0.0181%	0.0158%	75	2.6936%	2.3314%
22	0.0181%	0.0158%	76	2.9956%	2.6045%
23 24	0.0183%	0.0179%	70	3.2873%	2.8700%
24 25	0.0189%	0.0191%	77	3.6283%	3.1787%
25 26	0.0204%	0.0191%	78	3.9587%	3.4795%
20 27					
	0.0213%	0.0217%	80	4.3248%	3.8105%
28	0.0224%	0.0231%	81	4.9022%	4.3289%
29 20	0.0237%	0.0247%	82	5.5029%	4.8678%
30	0.0254%	0.0265%	83	6.1272%	5.4288%
31	0.0304%	0.0316%	84	6.6646%	5.9122%
32	0.0350%	0.0360%	85	7.1646%	6.3661%
33	0.0393%	0.0398%	86	8.0498%	7.1650%
34	0.0431%	0.0427%	87	8.9781%	8.0050%
35	0.0470%	0.0455%	88	9.9063%	8.8541%
36	0.0502%	0.0474%	89	10.7693%	9.6498%
37	0.0540%	0.0497%	90	11.7626%	10.5687%
38	0.0580%	0.0521%	91	13.3393%	12.0267%
39	0.0626%	0.0551%	92	14.8446%	13.4340%
40	0.0677%	0.0588%	93	16.3499%	14.8636%
41	0.0736%	0.0633%	94	18.0157%	16.4543%
42	0.0817%	0.0702%	95	19.3799%	17.7952%
43	0.0918%	0.0792%	96	20.6789%	19.0707%
44	0.1039%	0.0907%	97	21.8558%	20.2419%
45	0.1185%	0.1052%	98	22.7651%	21.1759%
46	0.1356%	0.1228%	99	23.3951%	21.8544%
47	0.1544%	0.1427%	100	23.6519%	22.1859%
48	0.1752%	0.1652%	101	24.4834%	23.0680%
49	0.1941%	0.1865%	102	25.4498%	24.0803%
50	0.2042%	0.1992%	103	26.6044%	25.2770%
51	0.2135%	0.2104%	104	27.9055%	26.6309%
52	0.2210%	0.2186%	105	29.3116%	28.0912%
53	0.2279%	0.2250%	106	30.7811%	29.6244%
54	0.2924%	0.2863%	107	32.2725%	31.1943%
55	0.3529%	0.3409%	108	33.7441%	32.7579%
56	0.4119%	0.3910%	109	35.1544%	34.2712%
57	0.4707%	0.4376%	110	100.0000%	50.0000%
58	0.5071%	0.4613%	111	N/A	50.0000%
59	0.5622%	0.5005%	112	N/A	50.0000%
60	0.6179%	0.5393%	113	N/A	50.0000%
61	0.6743%	0.5785%	114	N/A	50.0000%
62	0.7268%	0.6152%	115	N/A	50.0000%
63	0.7795%	0.6536%	116	N/A	50.0000%
64	0.8732%	0.7279%	117	N/A	50.0000%
65	0.9653%	0.8032%	118	N/A	50.0000%
66	1.0673%	0.8884%	110	N/A	50.0000%
67	1.1669%	0.9736%	120	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE MALES

Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0138%	68	2.2753%	1.8368%
16	N/A	0.0187%	69	2.5301%	2.0342%
17	N/A	0.0252%	70	2.8106%	2.2544%
18	N/A	0.0301%	71	3.1257%	2.5045%
19	0.0438%	0.0334%	72	3.4508%	2.7644%
20	0.0456%	0.0347%	73	3.8088%	3.0535%
21	0.0473%	0.0371%	74	4.1556%	3.3359%
22	0.0497%	0.0402%	75	4.5123%	3.6300%
23	0.0518%	0.0431%	76	5.1148%	4.1253%
24	0.0545%	0.0467%	77	5.7067%	4.6178%
25	0.0573%	0.0503%	78	6.3156%	5.1289%
26	0.0605%	0.0544%	79	6.8279%	5.5682%
27	0.0638%	0.0586%	80	7.3400%	6.0116%
28	0.0678%	0.0633%	81	8.2467%	6.7832%
29	0.0720%	0.0681%	82	9.1975%	7.6009%
30	0.0767%	0.0730%	83	10.1484%	8.4279%
31	0.0820%	0.0781%	84	11.0322%	9.2040%
32	0.0876%	0.0830%	85	12.0498%	10.1002%
33	0.0960%	0.0898%	86	13.6650%	11.5115%
34	0.1013%	0.0933%	87	15.1155%	12.7944%
35	0.1078%	0.0972%	88	16.6479%	14.1662%
36	0.1159%	0.1019%	89	18.4227%	15.7578%
30	0.1259%	0.1019%	90	20.2106%	17.3856%
			90 91		
38 39	0.1381%	0.1153%	91 92	22.0026%	19.0388%
	0.1577%	0.1286%		23.6944%	20.6360%
40	0.1772%	0.1417%	93	25.7499%	22.5718%
41	0.1968%	0.1550%	94	27.7058%	24.4562%
42	0.2164%	0.1690%	95	29.3904%	26.1404%
43	0.2360%	0.1838%	96	31.4223%	28.0695%
44	0.2554%	0.1997%	97	33.0905%	29.6855%
45	0.2750%	0.2170%	98	34.3180%	30.9177%
46	0.2847%	0.2279%	99	36.0787%	32.6552%
47	0.2931%	0.2387%	100	37.3923%	33.9880%
48	0.3003%	0.2492%	101	38.3040%	34.9681%
49	0.3824%	0.3237%	102	39.2003%	35.9346%
50	0.4574%	0.3948%	103	39.7886%	36.6434%
51	0.5251%	0.4620%	104	40.0000%	37.3834%
52	0.5858%	0.5249%	105	40.0000%	38.1051%
53	0.6073%	0.5528%	106	40.0000%	38.4698%
54	0.6387%	0.5891%	107	40.0000%	38.6325%
55	0.6727%	0.6260%	108	40.0000%	38.8076%
56	0.7296%	0.6814%	109	40.0000%	38.9794%
57	0.7817%	0.7288%	110	100.0000%	50.0000%
58	0.8333%	0.7710%	111	N/A	50.0000%
59	0.9334%	0.8525%	112	N/A	50.0000%
60	1.0319%	0.9273%	113	N/A	50.0000%
61	1.1340%	1.0007%	114	N/A	50.0000%
62	1.2398%	1.0735%	115	N/A	50.0000%
63	1.3410%	1.1411%	116	N/A	50.0000%
64	1.4621%	1.2250%	117	N/A	50.0000%
65	1.5787%	1.3055%	118	N/A	50.0000%
66	1.7900%	1.4653%	119	N/A	50.0000%
67	2.0286%	1.6473%	120	N/A	100.0000%
			-	,	

PROBABILITIES OF MORTALITY FOR DISABLED RETIREES BASE TABLE FEMALES

Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0095%	68	1.4949%	1.2141%
16	N/A	0.0117%	69	1.7053%	1.3912%
17	N/A	0.0127%	70	1.9327%	1.5837%
18	N/A	0.0148%	70	2.1676%	1.7848%
10	0.0205%	0.0159%	72	2.4104%	1.9944%
20	0.0216%	0.0168%	72	2.6774%	2.2258%
20	0.0229%	0.0185%	73	2.9776%	2.4880%
21	0.0243%	0.0205%	74	3.3072%	2.7766%
22			75		
	0.0258%	0.0227%		3.6503%	3.0785%
24	0.0273%	0.0251%	77	3.9587%	3.3525%
25	0.0289%	0.0274%	78	4.3248%	3.6752%
26	0.0307%	0.0298%	79	4.9022%	4.1794%
27	0.0326%	0.0322%	80	5.5029%	4.7030%
28	0.0348%	0.0348%	81	6.1272%	5.2484%
29	0.0371%	0.0374%	82	6.6646%	5.7185%
30	0.0395%	0.0400%	83	7.2080%	6.1948%
31	0.0422%	0.0425%	84	8.1476%	7.0110%
32	0.0451%	0.0450%	85	9.0871%	7.8321%
33	0.0485%	0.0476%	86	9.9662%	8.6046%
34	0.0511%	0.0491%	87	10.8343%	9.3702%
35	0.0546%	0.0512%	88	11.8337%	10.2595%
36	0.0584%	0.0534%	89	13.3393%	11.5941%
37	0.0630%	0.0563%	90	14.8446%	12.9378%
38	0.0677%	0.0590%	91	16.3606%	14.3081%
39	0.0736%	0.0629%	92	17.5097%	15.3704%
40	0.0817%	0.0688%	93	18.6970%	16.4875%
41	0.0918%	0.0766%	94	19.9353%	17.6613%
42	0.1039%	0.0865%	95	21.0632%	18.7606%
43	0.1185%	0.0992%	96	22.0663%	19.7397%
44	0.1356%	0.1148%	97	22.9669%	20.6328%
45	0.1544%	0.1330%	98	23.5709%	21.2676%
46	0.1752%	0.1538%	99	23.8964%	21.8544%
40	0.1973%	0.1769%	100	23.9165%	22.1859%
48	0.2205%	0.2017%	100	24.4834%	23.0680%
40 49				25.4498%	
49 50	0.2486%	0.2316%	102	25.4498% 26.6044%	24.0803% 25.2770%
	0.2788%	0.2637%	103		
51 52	0.3003%	0.2870%	104	27.9055%	26.6309%
52	0.3463%	0.3323%	105	29.3116%	28.0912%
53	0.3840%	0.3677%	106	30.7811%	29.6244%
54	0.4418%	0.4196%	107	32.2725%	31.1943%
55	0.5040%	0.4722%	108	33.7441%	32.7579%
56	0.5578%	0.5135%	109	35.1544%	34.2712%
57	0.5831%	0.5258%	110	100.0000%	50.0000%
58	0.6179%	0.5452%	111	N/A	50.0000%
59	0.6743%	0.5823%	112	N/A	50.0000%
60	0.7268%	0.6153%	113	N/A	50.0000%
61	0.7795%	0.6486%	114	N/A	50.0000%
62	0.8732%	0.7169%	115	N/A	50.0000%
63	0.9653%	0.7851%	116	N/A	50.0000%
64	1.0673%	0.8630%	117	N/A	50.0000%
65	1.1669%	0.9419%	118	N/A	50.0000%
66	1.2698%	1.0252%	119	N/A	50.0000%
67	1.3845%	1.1204%	120	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR BENEFICIARIES BASE TABLE MALES					
Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0105%	68	2.1936%	1.8256%
16	N/A	0.0142%	69	2.3389%	1.9386%
17	N/A	0.0191%	70	2.4842%	2.0542%
18	N/A	0.0222%	71	2.7068%	2.2359%
19	0.0306%	0.0240%	72	2.9339%	2.4230%
20	0.0320%	0.0251%	73	3.1659%	2.6165%
21	0.0332%	0.0268%	74	3.4024%	2.8157%
22	0.0341%	0.0284%	75	3.6438%	3.0220%
23	0.0351%	0.0301%	76	4.2007%	3.4928%
24	0.0357%	0.0315%	77	4.7694%	3.9787%
25	0.0361%	0.0327%	78	5.3501%	4.4792%
26	0.0369%	0.0342%	79	5.9428%	4.9963%
27	0.0374%	0.0354%	80	6.5473%	5.5282%
28	0.0385%	0.0371%	81	7.1996%	6.1051%
29	0.0404%	0.0394%	82	7.8517%	6.6894%
30	0.0435%	0.0427%	83	8.5037%	7.2805%
31	0.0504%	0.0495%	84	9.1559%	7.8749%
32	0.0575%	0.0562%	85	9.8079%	8.4753%
33	0.0648%	0.0625%	86	11.0698%	9.6136%
34	0.0719%	0.0682%	87	12.3771%	10.8005%
35	0.0799%	0.0743%	88	13.7297%	12.0443%
36	0.0860%	0.0780%	89	15.1278%	13.3397%
37	0.0926%	0.0818%	90	16.5712%	14.6958%
38	0.1000%	0.0861%	91	18.4052%	16.4185%
39	0.1091%	0.0917%	92	20.2054%	18.1416%
40	0.1209%	0.0997%	93	21.9737%	19.8574%
41	0.1717%	0.1394%	94	23.7565%	21.6187%
42	0.2203%	0.1774%	95 96	25.7255%	23.5884% 25.4266%
43 44	0.2668%	0.2143%	96 97	27.6098%	
44 45	0.3111% 0.3533%	0.2507% 0.2875%	97	29.4231% 31.2455%	27.2119% 29.0202%
45 46	0.3887%	0.3207%	98	32.8638%	30.6654%
40 47	0.4209%	0.3534%	100	34.3180%	32.1584%
47	0.4499%	0.3849%	100	35.8628%	33.7521%
48 49	0.4756%	0.4150%	101	37.1685%	35.1259%
49 50	0.4980%	0.4431%	102	38.3040%	36.3671%
50 51	0.5684%	0.5156%	103	39.2003%	37.3834%
51 52	0.6418%	0.5928%	104	39.7886%	38.1051%
52	0.7182%	0.6740%	105	40.0000%	38.4698%
55 54	0.7975%	0.7583%	100	40.0000%	38.6325%
55	0.8797%	0.8440%	108	40.0000%	38.8076%
56	0.9396%	0.9048%	100	40.0000%	38.9794%
57	0.9993%	0.9604%	110	100.0000%	50.0000%
58	1.0591%	1.0101%	111	N/A	50.0000%
59	1.1189%	1.0536%	112	N/A	50.0000%
60	1.1786%	1.0919%	113	N/A	50.0000%
61	1.3009%	1.1835%	113	N/A	50.0000%
62	1.4200%	1.2676%	115	N/A	50.0000%
63	1.5358%	1.3473%	116	N/A	50.0000%
64	1.6484%	1.4238%	117	N/A	50.0000%
65	1.7577%	1.4985%	118	N/A	50.0000%
66	1.9030%	1.6059%	119	N/A	50.0000%
67	2.0483%	1.7146%	120	N/A	100.0000%

PROBABILITIES OF MORTALITY FOR BENEFICIARIES BASE TABLE FEMALES

Age	Current	Proposed	Age	Current	Proposed
15	N/A	0.0092%	68	1.5930%	1.3605%
16	N/A	0.0112%	69	1.6707%	1.4332%
10	N/A	0.0112%	70	1.7416%	1.5007%
17		0.0122%	70	1.9340%	1.6745%
	N/A		71		
19 20	0.0175% 0.0177%	0.0143%	72	2.1220%	1.8463%
20		0.0145%		2.3059%	2.0157%
21	0.0180%	0.0153%	74	2.4854%	2.1838%
22	0.0181%	0.0161%	75	2.6609%	2.3492%
23	0.0185%	0.0171%	76	3.0053%	2.6652%
24	0.0189%	0.0183%	77	3.3498%	2.9831%
25	0.0196%	0.0195%	78	3.6942%	3.3011%
26	0.0204%	0.0208%	79	4.0386%	3.6207%
27	0.0213%	0.0221%	80	4.3831%	3.9391%
28	0.0224%	0.0236%	81	4.9279%	4.4386%
29	0.0237%	0.0252%	82	5.4831%	4.9473%
30	0.0254%	0.0270%	83	6.0487%	5.4665%
31	0.0312%	0.0330%	84	6.6246%	5.9942%
32	0.0366%	0.0384%	85	7.2110%	6.5354%
33	0.0418%	0.0431%	86	8.2234%	7.4659%
34	0.0466%	0.0471%	87	9.2358%	8.3995%
35	0.0518%	0.0511%	88	10.2481%	9.3428%
36	0.0563%	0.0542%	89	11.2605%	10.2918%
37	0.0617%	0.0579%	90	12.2729%	11.2477%
38	0.0674%	0.0618%	91	14.0131%	12.8868%
39	0.0741%	0.0666%	92	15.6962%	14.4887%
40	0.0812%	0.0719%	93	17.3412%	16.0801%
41	0.0883%	0.0775%	94	18.8767%	17.5854%
42	0.0980%	0.0859%	95	20.3531%	19.0626%
43	0.1100%	0.0968%	96	21.5243%	20.2474%
44	0.1247%	0.1111%	97	22.5407%	21.2937%
45	0.1422%	0.1287%	98	23.2572%	22.0663%
46	0.1626%	0.1501%	99	23.6605%	22.5443%
47	0.1854%	0.1748%	100	23.6704%	22.6473%
48	0.2102%	0.2022%	100	24.4834%	23.5294%
40 49	0.2367%	0.2319%	101	25.4498%	24.5619%
49 50	0.2646%	0.2633%	102	26.6044%	25.7825%
50 51	0.2983%	0.2999%	103	27.9055%	27.1635%
51 52	0.3346%	0.3376%	104	29.3116%	28.6530%
53 54	0.3736%	0.3762%	106	30.7811%	30.2169%
54 55	0.4156%	0.4151%	107	32.2725%	31.8182%
55 56	0.4608%	0.4540%	108	33.7441%	33.4131%
56	0.5300%	0.5132%	109	35.1544%	34.9566%
57	0.6048%	0.5735%	110	100.0000%	50.0000%
58	0.6846%	0.6353%	111	N/A	50.0000%
59	0.7688%	0.6981%	112	N/A	50.0000%
60	0.8572%	0.7631%	113	N/A	50.0000%
61	0.9519%	0.8329%	114	N/A	50.0000%
62	1.0318%	0.8908%	115	N/A	50.0000%
63	1.1100%	0.9493%	116	N/A	50.0000%
64	1.1932%	1.0146%	117	N/A	50.0000%
65	1.2814%	1.0876%	118	N/A	50.0000%
66	1.3758%	1.1681%	119	N/A	50.0000%
67	1.4817%	1.2609%	120	N/A	100.0000%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: GENERAL

ANNUAL RATES OF MERIT AND SALARY INCREASE

	Current & Proposed	Current & Proposed	
Years of Service	Merit Increase	Salary Increase*	
0	6.00%	9.00%	
1	5.00%	8.00%	
	4.00%	7.00%	
2 3	3.00%	6.00%	
4	2.50%	5.50%	
5	2.00%	5.00%	
6	1.90%	4.90%	
7	1.80%	4.80%	
8	1.70%	4.70%	
9	1.60%	4.60%	
10	1.50%	4.50%	
11	1.50%	4.50%	
12	1.50%	4.50%	
13	1.50%	4.50%	
14	1.50%	4.50%	
15	1.50%	4.50%	
16	1.45%	4.45%	
17	1.40%	4.40%	
18	1.35%	4.35%	
19	1.30%	4.30%	
20	1.25%	4.25%	
21	1.20%	4.20%	
22	1.15%	4.15%	
23	1.10%	4.10%	
24	1.05%	4.05%	
25+	1.00%	4.00%	

 \ast Salary Increase is General Wage Increase of 3.00% plus the Merit Increase.

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: TRANSIT

Years of Service	Cui	rrent	Proposed		
	Merit Increase	Salary Increase*	Merit Increase	Salary Increase*	
0	16.00%	19.00%	16.00%	19.00%	
1	11.00%	14.00%	11.00%	14.00%	
2	7.00%	10.00%	7.00%	10.00%	
3	4.00%	7.00%	6.00%	9.00%	
4	2.00%	5.00%	3.00%	6.00%	
5	1.00%	4.00%	2.00%	5.00%	
6	0.50%	3.50%	1.50%	4.50%	
7	0.50%	3.50%	1.50%	4.50%	
8	0.50%	3.50%	1.50%	4.50%	
9	0.50%	3.50%	1.50%	4.50%	
10	0.50%	3.50%	1.50%	4.50%	
11	0.50%	3.50%	1.50%	4.50%	
12	0.50%	3.50%	1.50%	4.50%	
13	0.50%	3.50%	1.50%	4.50%	
14	0.50%	3.50%	1.50%	4.50%	
15	0.50%	3.50%	1.50%	4.50%	
16	0.50%	3.50%	1.50%	4.50%	
17	0.50%	3.50%	1.50%	4.50%	
18	0.50%	3.50%	1.50%	4.50%	
19	0.50%	3.50%	1.50%	4.50%	
20	0.50%	3.50%	1.50%	4.50%	
21	0.50%	3.50%	1.50%	4.50%	
22	0.50%	3.50%	1.50%	4.50%	
23	0.50%	3.50%	1.00%	4.00%	
24	0.50%	3.50%	1.00%	4.00%	
25+	0.50%	3.50%	1.00%	4.00%	

ANNUAL RATES OF MERIT AND SALARY INCREASE

* Salary Increase is General Wage Increase of 3.00% plus the Merit Increase.

ears of Service	Current & Proposed	Current & Proposed	
ears of Service	Merit Increase	Salary Increase*	
0	8.00%	11.00%	
1	7.00%	10.00%	
2	6.00%	9.00%	
3	5.00%	8.00%	
4	4.00%	7.00%	
5	3.00%	6.00%	
6	2.00%	5.00%	
7	1.00%	4.00%	
8	0.80%	3.80%	
9	0.60%	3.60%	
10	0.50%	3.50%	
11	0.50%	3.50%	
12	0.50%	3.50%	
13	0.50%	3.50%	
14	0.50%	3.50%	
15	0.50%	3.50%	
16	0.50%	3.50%	
17	0.50%	3.50%	
18	0.50%	3.50%	
19	0.50%	3.50%	
20	0.50%	3.50%	
21	0.50%	3.50%	
22	0.50%	3.50%	
23	0.50%	3.50%	
24	0.50%	3.50%	
25+	0.50%	3.50%	

ANNUAL RATES OF MERIT AND SALARY INCREASE

 \ast Salary Increase is General Wage Increase of 3.00% plus the Merit Increase.

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: SANITATION

Years of Service	Cur	rrent	Proposed		
Teals of Service	Merit Increase	Salary Increase*	Merit Increase	Salary Increase*	
0	4.00%	7.00%	4.00%	7.00%	
1	6.00%	9.00%	6.00%	9.00%	
2	8.00%	11.00%	8.00%	11.00%	
3	13.00%	16.00%	13.00%	16.00%	
4	32.00%	35.00%	22.00%	25.00%	
5	22.00%	25.00%	15.00%	18.00%	
6	1.40%	4.40%	1.00%	4.00%	
7	1.60%	4.60%	1.10%	4.10%	
8	1.80%	4.80%	1.20%	4.20%	
9	3.20%	6.20%	2.10%	5.10%	
10	2.00%	5.00%	1.40%	4.40%	
11	1.90%	4.90%	1.30%	4.30%	
12	1.80%	4.80%	1.20%	4.20%	
13	1.70%	4.70%	1.10%	4.10%	
14	2.90%	5.90%	2.00%	5.00%	
15	1.50%	4.50%	1.00%	4.00%	
16	1.40%	4.40%	1.00%	4.00%	
17	1.30%	4.30%	0.90%	3.90%	
18	1.20%	4.20%	0.80%	3.80%	
19	2.40%	5.40%	1.60%	4.60%	
20	1.00%	4.00%	0.70%	3.70%	
21	0.90%	3.90%	0.60%	3.60%	
22	0.80%	3.80%	0.50%	3.50%	
23	0.70%	3.70%	0.50%	3.50%	
24	0.60%	3.60%	0.50%	3.50%	
25+	0.50%	3.50%	0.50%	3.50%	

ANNUAL RATES OF MERIT AND SALARY INCREASE

* Salary Increase is General Wage Increase of 3.00% plus the Merit Increase.

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

ANNUAL RATES OF MERIT AND SALARY INCREASE

Years of Service	Current & Proposed	Current & Proposed		
Tears of Service	Merit Increase	Salary Increase*		
0	11.00%	14.00%		
1	10.00%	13.00%		
2	9.00%	12.00%		
3	8.00%	11.00%		
4	46.00%	49.00%		
5	1.20%	4.20%		
6	1.40%	4.40%		
7	1.60%	4.60%		
8	1.80%	4.80%		
9	3.20%	6.20%		
10	2.00%	5.00%		
11	1.90%	4.90%		
12	1.80%	4.80%		
13	1.70%	4.70%		
14	2.90%	5.90%		
15	1.50%	4.50%		
16	1.40%	4.40%		
17	1.30%	4.30%		
18	1.20%	4.20%		
19	2.40%	5.40%		
20	1.00%	4.00%		
21	0.90%	3.90%		
22	0.80%	3.80%		
23	0.70%	3.70%		
24	0.60%	3.60%		
25+	0.50%	3.50%		

* Salary Increase is General Wage Increase of 3.00% plus the Merit Increase.

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: GENERAL					
BASELINE OVERTIME ASSUMPTIONS					
	Current	Proposed			
All Years of Service	4.00%	5.00%			

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: TRANSIT OVERTIME ASSUMPTIONS						
	Current & Proposed	Сш	rent	Proposed	Current & Proposed	
All Years of	Baseline	Dual Service: Tier 1	Dual Service: All Others	Dual Service: All	Dual Disability	
Service	8.00%	12.00%	10.00%	10.00%	6.00%	

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: TBTA OVERTIME ASSUMPTIONS							
	Current & Proposed	Current		Proposed	Current		Proposed
	Baseline	Dual Service: FAS 1 Benefits	Dual Service: All Others	Dual Service: All	Dual Disability: FAS 1 Benefits	Dual Disability: All Others	Dual Disability: All
All Years of Service	20.00%	30.00%	24.00%	24.00%	15.00%	18.00%	18.00%

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: SANITATION					
OVERTIME ASSUMPTIONS					
	Current & Proposed				
All Years of	Baseline	Dual Service	Dual Disability		
Service	12.00%	16.00%	8.00%		

NEW YORK CITY EMPLOYEES' RETIREMENT SYSTEM: CORRECTION

OVERTIME ASSUMPTIONS

Years of Service	Current	Proposed	Cu	Proposed		
Teals of Service	Baseline and Dual Service	Baseline and Dual Service	Dual Disability: Tier 1	Dual Disability: All Others	Dual Disability (All)	
0-15	10.00%	15.00%	5.00%	8.00%	8.00%	
16	11.00%	16.50%	6.00%	9.00%	9.00%	
17	12.00%	18.00%	7.00%	10.00%	10.00%	
18	13.00%	19.50%	8.00%	11.00%	11.00%	
19	14.00%	21.00%	9.00%	12.00%	12.00%	
20+	15.00%	22.50%	10.00%	13.00%	13.00%	

Appendix C

APPENDIX C

DRAFT RESOLUTION

PROPOSED CHANGES IN ACTUARIAL ASSUMPTIONS AND METHODS

The following Resolution is presented to the Board of Trustees of the New York City Employees' Retirement System (NYCERS) for consideration and adoption:

WHEREAS, Bolton, Inc. (Bolton) has recommended updating certain assumptions and methods based on a study of actuarial experience of the five actuarially-funded New York City Pension Fund and Retirement Systems; and

WHEREAS, The Actuary has reviewed the recommendations made by Bolton and has proposed changes in certain actuarial assumptions and methods as presented in a Report dated December 31, 2018 entitled "Proposed Changes in Actuarial Assumptions and Methods used in Determining Employer Contributions for Fiscal Years Beginning on and After July 1, 2018 for the New York City Employees' Retirement System"; and

WHEREAS, Certain components of the Actuary's proposed changes require action by the Retirement Board; and

WHEREAS, The Board has reviewed the Actuary's proposed changes in actuarial assumptions and methods; now therefore, be it

RESOLVED, That the Board accepts the Actuary's December 31, 2018 Report and supports the proposed changes in actuarial assumptions and methods; and be it further

RESOLVED, That the Board adopts those actuarial assumptions requiring Board approval (i.e. the demographic and economic assumptions presented as Appendix B of the December 31, 2018 Report); and be it further

RESOLVED, That the Board requests that the Corporation Counsel develop, with the review and assistance of the Actuary, and that the New York State Legislature and Governor enact, legislation to continue components of the Actuary's proposed changes in actuarial assumptions and methods that require legislation (e.g. Actuarial Interest Rate).

Respectfully Submitted:

Melanie Whinnery Executive Director