

# **BOSTON RETIREMENT SYSTEM**



Annual Statement

March 20, 2023

2022









Organized Under the Laws of the Commonwealth of Massachusetts to the Public Employee Retirement Administration Comm.

Date of Certificate	June 30, 1946	Effective Date	October 1, 1946	
ADMINISTRATIVE OFFICE	CE			
City Hall, Room 81	6	Boston, MA 02201	(617) 635-4305	
Street & Number		City/Town, State and Zip Code	Telephone Number	

We, the undersigned, members of the Boston Board of Retirement certify under the penalties of perjury, that we are the official board members of said retirement system, and that on the thirty-first day of December last, all of the herein-described assets were the absolute property of said retirement system, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all the assets, liabilities, income and disbursements, changes in fund balances, and of the conditions and affairs of the said retirement system on the said thirty-first day of December last, and for the year ended on that date, according to the best of our information, knowledge, and belief, respectively.

OARD OF RETIREMENT	Ex-Officio Member		
	Maureen Joyce	_	
	(Name)	_	(Signature)
	Appointed Member	Term Expires _	
	DANIEL J. GREENE, CHAIRMAN		
	(Name)		(Signature)
	Elected Member	Term Expires _	9/30/2023
	MICHAEL D. O'REILLY		
	(Name)		(Signature)
	Elected Member	Term Expires _	9/30/2023
	MICHAEL McLAUGHLIN		
	(Name)		(Signature)
	Member Appointed by Other Members	Term Expires _	1/15/2024
	THOMAS V. J. JACKSON		
	(Name)		(Signature)
VESTMENT MANAGERS	SEE ATTACHED SCHEDULES	_	
	(Name)		(Address)
	(Name)	_	(Address)
	(Name)		(Address)
VESTMENT CONSULTANT	NEPC	255 STATE ST	Г., BOSTON, MA 02109
	(Name)	_	(Address)
STODIAN	STATE STREET BANK & TRUST	1 LINCOLN S	T., BOSTON, MA 02111
	(Name)		(Address)

### MANAGER NAME BRS FUNDS 2023

#### **U.S. EQUITY**

ARISTOTLE SM CAP
ARISTOTLE LG CAP VALUE
BERNZOTT
COLUMBIA MANAGEMENT
DE SHAW ENHANCED INDEX FUND
RHUMBLINE ADVISERS
WESTFIELD CAPITAL MGMT CO
ZEVENBERGEN CAPITAL INC.

#### NON-U.S. EQUITY

ABS

COLUMBIA THREADNEEDLE
LAZARD EM SMALL CAP
PANAGORA ASSET MANAGEMENT
POLUNIN DEVELOPING COUNTRIES
SEGAL BRYANT HAMILL
TODD ASSET MANAGEMENT
WALTER SCOTT INTERNATIONAL EQUITY

#### **HEDGE FUND OF FUNDS**

BLACKSTONE
ENTRUST CAPITAL DIVERSIFIED
GROSVENOR INSTITUTIONAL PRT
MESIROW ABSLTE RTRN FD LTD

#### **U.S. FIXED INCOME**

AFL - CIO H.I.T.
BLACKROCK SIO
CRESCENT HY
POLEN CAPITAL (formerly DDJ)
INCOME RESEARCH & MANAGEMENT
ALLSPRING GLOBAL (formerly WELLS ASSET MGMT)

#### NON U.S. FIXED INCOME

ABERDEEN EMD PLUS

#### **ALTERNATIVE CREDIT**

400 CAPITAL AB OFFSHORE TERM

400 CAPITAL AB OFFSHORE TERM III

BAIN CAPITAL DISTRESSED AND SPECIAL SITS

**ENTRUST SPECIAL OPPORTUNITIES IV** 

FIRST EAGLE (formerly THOMAS H LEE) CREDIT DL IV

GOLDEN TREE MULTI SEC OPP CRED

GOLDEN TREE DISTRESSED DEBT FD

**GOLDENTREE DISTRESSED DEBT 2014** 

GOLDENTREE DISTRESSED DEBT FD III

GOLDENTREE DISTRESSED DEBT CO-INVESTMENT FD III

GOLDENTREE DISTRESSED DEBT FD IV

HARBOURVEST CREDIT OPPS II

HARBOURVEST CREDIT OPPS III

MC CREDIT FUND III

OAKTREE POWER OPP III

#### **REAL ESTATE**

**AEW PARTNERS IX LP** 

AEW PARTNERS V LP

**AEW PARTNERS VIII LP** 

AG REALTY FUND VIII (AC), L.P.

ALIDADE CAPITAL FUND V

ARSENAL REAL ESTATE FUND IA

AXA DEVELOPMENT VENTURE IV LP

BERKSHIRE VALUE FD V

**BROOKFIELD STRAT RE PTNRS** 

**BROOKFIELD STRAT RE PTNRS II** 

BROOKFIELD STRAT RE PTNRS III

CARLYLE REALTY PARTNERS VIII

CENTERBRIDGE PARTNERS REAL ESTATE FUND II

DAVIS INVESTMENT VENTURES

DAVIS INVESTMENT VENTURES FUND V

DRC EUROPEAN DEBT FUND II

DUNE CAPITAL RE FD II

**HEARTHSTONE MS III** 

INTERCONTINENTAL US REAL ESTATE INVESTMENT FUND

INVESCO CORE REAL ESTATE FUND

JP MORGAN SPECIAL SITUATIO

KAYNE ANDERSON REAL ESTATE PARTNERS VI

MFIRE VALUE

MFIRE VALUE II

MFIRE VALUE III

MFIRE VALUE IV

OAKTREE RE DEBT FUND II

OAKTREE RE DEBT FUND III

PRUDENTIAL REAL ESTATE INVEST PRISA II

PRUDENTIALSENIOR HOUSING PARTNERS III

PRUDENTIALSENIOR HOUSING PARTNERS VI

SCULPTOR RE FD II

SIGULER GUFF REAL OPP FUND II

SIGULRE GUFF REAL ESTATE OPP

TA REALTY ASSOCIATES FUND X UTP L

TA REALTY ASSOCIATES FUND XII

TA REALTY ASSOCIATES FUND XIII

TA REALTY CORE PROPERTY FUND

TERRACAP PARTNERS IV

TERRACAP PARTNERS V

TRISTAN CAPITAL EURO SPEC OPP

URDANG CENTERSQUARE SEPARATE REAL ESTATE

WCP REAL ESTATE FUND II

WCP REAL ESTATE FUND III

WCP REAL ESTATE IV

### **PRIVATE EQUITY**

57 STARS GLOBAL OPP FUND 4

ALCENTRA CLAREANT SCF

ALCENTRA EUROPEAN CREDIT OPPS II

ARCLIGHT ENERGY PARTNERS VI

ASCENT VENTURE PARTNERS III

ASCENT VENTURE PARTNERS VI

AUDAX MEZZANINE FUND III LP

BARINGS EMERGING GENERATION FUND

BLUE POINT CAPITAL PTNRS II

**BOSTON MILLENNIA PARTNERS II** 

CCMP CAPITAL INVESTORS III.

CRESCENT MEZZANINE PARTNERS VI

**ENERGY SPECTRUM PARTNERS VI LP** 

**EUROPEAN STRATEGIC PARTNERS 2006 B** 

EUROPEAN STRATEGIC PARTNERS L.P.

GCM GROSVENOR ADVANCE FUND

HAMILTON LANE DISCRETIONARY ACCOUNT FUND OF FUNDS

JF LEHMAN EQUITY INVESTORS III LP

JF LEHMAN EQUITY INVESTORS IV LP

KAYNE ANDERSON PRIVATE ENERGY INCOME II

LEXINGTON CAPITAL PARTNERS VIII

LEXINGTON CAPITAL PTNRS VII

LEXINGTON CAPITAL VI B

LEXINGTON MID MARKET II LP LEXINGTON MIDDLE MARKETS LEXINGTON MIDDLE MARKETS IV MPM BIO VENTURES IV QP LP NGP NATURAL RESOURCES XI LP NGP NATURAL RESOURCES XII LP PRUDENTIAL CAP PARTNERS II L P PRUDENTIAL CAPITAL PRTNS IV SANDERLING VENTURE V LP SANDERLING VI SANDERLING VI COINVESTMENT SCP PRIVATE EQUITY PARTNERS SIGULER GUFF DIS OPP IV LP SIGULER GUFF DISTRESSED III STERLING CAPITAL PARTNERS STERLING CAPITAL PARTNERS II STERLING CAPITAL PARTNERS III STERLING CAPITAL PARTNERS IV STERLING VENTURE PARTNERS THOMA BRAVO FUND XII, L.P. THOMAS H LEE EQUITY FUND VI THOMAS H LEE PUTNAM INTERNET VENTURE LENDING LEASING VII **VENTURE LENDING + LEASING IV VENTURE LENDING + LEASING IX** VENTURE LENDING + LEASING V **VENTURE LENDING + LEASING VI** VENTURE LENDING + LEASING VII **VENTURE LENDING + LEASING VIII** VENTURE LENDING + LEASING X W CAPITAL PARTNERS II Z CAPITAL PARTNERS III A LP

#### **HAMILTON LANE PRIVATE EQUITY**

Z CAPITAL SPECIAL SIT. FD II

AMERICAN SECURITIES PARTNERS VIII, L.P.
APOLLO INVESTMENT FUND IX, L.P.
AURORA EQUITY PARTNERS V, L.P.
AVISTA CAPITAL PARTNERS IV, L.P.
AVISTA CAPITAL PARTNERS V, L.P.
AVISTA HEALTHCARE PARTNERS VI, L.P.
BLACKSTONE CAPITAL PARTNERS VIII, L.P.
CHARTERHOUSE CAPITAL PARTNERS XI, L.P.
CVC CAPITAL PARTNERS VIII, L.P.
CVC CAPITAL PARTNERS VIII, L.P.

FSN CAPITAL VI, L.P.

GTCR FUND XIV LP

GTCR STRATEGIC GROWTH FUND I LP

H.I.G. MIDDLE MARKET LBO FUND III, L.P.

HAMILTON LANE CO-INVESTMENT FUND IV, L.P.

HAMILTON LANE EQUITY OPPORTUNITIES FUND V, L.P.

HAMILTON LANE SECONDARY FUND IV, L.P.

HAMILTON LANE SECONDARY FUND VI, L.P.

HAMILTON LANE VENTURE CAPITAL FUND, L.P. (SERIES 2020)

HAMILTON LANE VENTURE CAPITAL FUND, L.P. (SERIES 2021)

HAMILTON LANE VENTURE CAPITAL FUND, L.P. (SERIES 2022)

ICONIQ STRATEGIC PARTNERS FUND V, L.P.

ICONIQ STRATEGIC PARTNERS VI L.P.

ICONIQ STRATEGIC PARTNERS VII L.P.

INCLINE ELEVATE FUND, L.P.

INCLINE ELEVATE FUND II, L.P.

INCLINE ASCENT FUND, L.P.

INCLINE EQUITY PARTNERS VI, L.P.

INSIGHT PARTNERS X FOLLOW ON FUND, L.P.

INSIGHT PARTNERS XI, L.P.

INSIGHT PARTNERS XII, L.P.

INSIGHT VENTURE PARTNERS X, L.P.

JFL EQUITY INVESTORS V, L.P.

JFL EQUITY INVESTORS VI, L.P.

KPS SPECIAL SITUATIONS FUND V, L.P.

MAIN CAPITAL VI C.V.

MAIN CAPITAL VII COOPERATIEF U.A.

MAIN FOUNDATION I COOPERATIEF U.A.

OAK HC/FT PARTNERS IV, L.P.

OAK HC/FT PARTNERS V, L.P.

PLATINUM EQUITY CAPITAL PARTNERS V, L.P.

PLATINUM EQUITY CAPITAL PARTNERS VI, L.P.

ROARK CAPITAL PARTNERS V, L.P.

STG ALLEGRO FUND, L.P.

STG VII.L.P.

SUMMIT PARTNERS GROWTH EQUITY FUND X, L.P.

SUMMIT PARTNERS GROWTH EQUITY FUND XI, L.P.

TCV XI. L.P.

THOMA BRAVO DISCOVER FUND III, L.P.

THOMA BRAVO FUND XIII, L.P.

THOMA BRAVO FUND XV, L.P.

THOMAS H. LEE EQUITY FUND IX, L.P.

THOMAS H. LEE EQUITY FUND VIII, L.P.

ZMC III, L.P.

#### **Misc**

T ROWE PRICE ASSOCIATES STATE STREET (STIF)

#### **ANNUAL STATEMENT BALANCE TESTS**

#### 1. ASSET BALANCE

	Assets Previous Year	9,483,630,323
	Income Current Year	(153,248,633)
	Disbursements Current Year	(797,621,602)
	Assets Current Year	8,532,760,087
2.	ASSET DIFFERENCE	
	Assets Current Year	8,532,760,087
	Assets Previous Year	9,483,630,323
	Difference	(950,870,235)
3.	INCOME DIFFERENCE	
	Income Current Year	(153,248,633)
	Disbursements Current Year	(797,621,602)
	Difference	(950,870,235)

4. FUND CHANGE DIFFERENCE – Add interfund transfer CRs and DRs respectively to Income and Disbursement a

Total Fund Change Credits Current Year 151,845,147

Total Fund Change Debits Current Year (1,102,715,383)

Difference (950,870,235)

NOTE: The difference as a result of tests 2, 3, and 4 should be the same.

### **ASSETS & LIABILITIES**

	<u>2022</u>	<u>2021</u>	<u>2020</u>
1. 1040s Cash	369,064,381	310,870,059	265,504,458
2. 1100 Individually Owned Short Term Investments	91,736,305	136,342,120	61,752,158
3. 1180 Fixed Income Securities (Market Value)	1,188,757,014	1,351,109,133	1,203,935,294
4. 1101 Pooled Short Term Funds			
5. 1170 Equities	796,679,685	1,002,046,913	909,755,738
6. 1172 Pooled Domestic Equity Funds	588,314,216	715,270,700	747,518,130
7. 1173 Pooled International Equity Funds	1,384,062,915	1,642,301,802	1,440,634,932
8. 1174 Pooled Global Equity Funds	0	0	0
9. 1181 Pooled Domestic Fixed Income Funds	0	0	0
10. 1182 Pooled International Fixed Income Funds	0	0	0
11. 1183 Pooled Global Fixed Income Funds	352,560,480	382,945,000	353,466,638
12. 1193 Pooled Alternative Investments / Private Equity	675,672,015	637,748,040	498,308,011
13. 1194 Pooled Real Estate Funds	661,670,629	628,727,195	510,191,467
14. 1195 Pooled Domestic Balanced Funds	0	0	0
15. 1196 Pooled International Balanced Funds	0	0	0
16. 1197 Hedge Funds	328,744,988	347,370,129	322,229,058
17. 1198 PRIT Cash Fund	197,309,267	179,375,624	162,984,627
18. 1199 PRIT Core Fund	1,907,913,972	2,187,775,165	1,841,023,841
19. 1350 Prepaid Expenses	953,934	1,726,016	2,025,030
20. 1398 Accounts Receivable (A)	35,085,542	45,991,493	57,882,130
21. 1550 Interest Due and Accrued	13,925,999	12,286,934	9,057,353
22. 2020 Accounts Payable (A)	(59,691,252)	(98,256,001)	(81,394,334)
TOTAL	8,532,760,088	9,483,630,323	8,304,874,533
FUNDS			
1. 3293 Annuity Savings Fund	2,112,390,293	2,041,838,572	1,988,228,420
2. 3294 Annuity Reserve Fund	433,103,354	443,892,855	437,916,584
3. 3295 Special Military Service Credit Fund	1,237,441	50,189	50,139
4. 3296 Pension Fund	811,024,102	594,969,218	422,496,320
5. 3298 Expense Fund	0	0	0
6. 3297 Pension Reserve Fund	5,175,004,898	6,402,879,489	5,456,183,070
TOTAL ASSETS AT MARKET VALUE	8,532,760,088	9,483,630,323	8,304,874,533

	Balance Dec. 31		Interfund		Balance Dec. 31
_	Prior Year	Receipts	Transfers	Disbursements	Current Year
Annuity Savings Fund	2,041,838,572	196,009,951	(109,660,819)	(15,797,410)	2,112,390,293
Annuity Reserve Fund	443,892,855	13,008,603	109,660,819	(133,458,924)	433,103,354
Military Service Fund	50,189	1,187,252	0	0	1,237,441
Pension Fund	594,969,218	610,081,637	195,432,961	(589,459,715)	811,024,102
Expense Fund	0	58,905,554	0	(58,905,554)	0
Pension Reserve Fund	6,402,879,489	(1,032,441,630)	(195,432,961)	0	5,175,004,898
TOTAL ALL FUNDS	9,483,630,323	(153,248,633)	0	(797,621,602)	8,532,760,088

### List below all transfers:

Transfer from ASF	Fund to the <u>ARF</u>	Fund in the Amount of \$ <b>109,660,819</b> .	on Account of Retirements.
Transfer from PRF	Fund to the <b>PF</b> _	Fund in the Amount of \$ <b>195,432,96</b> ?	1. on Account of PERAC Appror
Transfer from	Fund to the	_ Fund in the Amount of \$	on Account of
Transfer from	Fund to the	Fund in the Amount of \$	on Account of
Transfer from	Fund to the	Fund in the Amount of \$	on Account of
Transfer from	Fund to the	Fund in the Amount of \$	on Account of

## **RECEIPTS**

	<u>2022</u>	<u>2021</u>	<u>2020</u>
1. Annuity Savings Fund:			
(a) 4891 Members' Deductions	187,973,820	179,115,205	184,429,167
(b) 4892 Transfers from Other Systems	4,462,202	5,224,956	6,159,302
(c) 4893 Members' Make up Payments & Re-deposits	561,660	834,581	871,399
(d) 4900 Member Payments from Rollovers	1,080,091	544,463	613,811
(e) Investment Income Credited to Members' Accounts	1,932,178	1,869,354	1,890,661
Subtotal	196,009,951	187,588,558	193,964,340
2. Annuity Reserve Fund:			
(a) 4750 Recovery of Annuity from Reinstatement	0	3,538	0
(b) Investment Income Credited to Annuity Reserve Fund	13,008,603	12,968,021	13,100,653
Subtotal	13,008,603	12,971,559	13,100,653
3. Pension Fund:			
(a) 4898 3(8)(c) Reimbursements from Other Systems	4,342,417	4,086,194	3,935,989
(b) 4899 Received from Comm. for COLA and Survivor Benefits	0	478,582	0
(c) 4894 Pension Fund Appropriation	605,643,643	550,225,930	513,508,120
(d) 4840 Workers' Compensation Settlements	95,577	0	0
(e) 4751 Recovery of Pension from Reinstatement	0	59,499	0
(f) 4841 Recovery of 91A Overearnings	0	0	0
Subtotal	610,081,637	554,850,206	517,444,109
4. Military Service Fund:			
(a) 4890 Contributions Received for Military Service	1,187,202	0	0
(b) Investment Income Credited to Military Service Fund	50	50	50
Subtotal	1,187,252	50	50
5. Expense Fund:			
(a) Investment Income Credited to Expense Fund	58,905,554	56,492,998	51,156,436
Subtotal	58,905,554	56,492,998	51,156,436
6. Pension Reserve Fund:			
(a) 4897 Federal Grant Reimbursement	0	0	0
(b) 4895 Pension Reserve Appropriation	0	0	0
(c) 4822 Interest Not Refunded	(533,941)	(558,545)	(330,917)
(d) 4825 Miscellaneous Income	98,242	4,427	5,488
(e) Excess Investment Income	(1,032,005,931)	1,128,023,447	842,845,872
Subtotal	(1,032,441,630)	1,127,469,329	842,520,443
TOTAL RECEIPTS	(153,248,633)	1,939,372,700	1,618,186,031

### **DISBURSEMENTS**

	<u>2022</u>	<u>2021</u>	<u>2020</u>
1. Annuity Savings Fund:			
(a) 5757 Refunds to Members	13,166,230	11,123,400	7,359,163
(b) 5756 Transfers to Other Systems	2,631,180	3,981,079	3,069,665
Subtotal	15,797,410	15,104,479	10,428,827
2. Annuity Reserve Fund:		-, - , -	-, -,-
(a) 5750 Annuities Paid	132,336,427	124,700,015	117,469,235
(b) 5759 Option B Refunds	1,122,496	1,169,200	1,330,801
Subtotal	133,458,924	125,869,215	118,800,036
3. Pension Fund:			
(a) 5751 Pensions Paid	579,278,849	554,178,797	535,947,744
Regular Pension Payments	459,231,644	436,605,507	420,431,794
Survivorship Payments	13,034,055	13,358,800	13,195,604
Ordinary Disability Payments	3,389,309	3,581,144	3,297,943
Accidental Disability Payments	88,444,161	86,060,731	83,862,877
Accidental Death Payments	12,078,555	11,246,794	11,732,762
Section 101 Benefits	3,101,125	3,325,822	3,426,763
(b) 5755 3(8)(c) Reimbursements to Other Systems	10,180,866	8,971,422	4,053,380
(c) 5752 COLAs Paid	0	0	0
(d) 5753 Chapter 389 Beneficiary Increase Paid	0	0	0
Subtotal	589,459,715	563,150,219	540,001,124
4. Expense Fund:	_		_
(a) 5118 Board Members' Stipend	16,399	20,938	23,909
(b) 5119 Staff Salaries	3,809,396	4,067,723	3,808,444
(c) 5304 Management Fees	49,707,562	45,844,864	40,775,369
(d) 5305 Custodial Fees	275,359	291,332	276,077
(e) 5307 Investment Consultant Fees	662,500	650,000	645,000
(f) 5308 Legal Expenses	184,434	126,471	155,785
(g) 5309 Medical Expenses	58,229	65,384	15,083
(h) 5310 Fiduciary Insurance	550,573	366,846	308,827
(i) 5311 Service Contracts	12,652	68,075	86,404
(j) 5312 Rent Expense	0	0	0
(k) 5315 Professional Services	2,239,209	2,724,314	2,569,901
(I) 5316 Actuarial Services	121,696	54,000	114,470
(m) 5317 Accounting Services	197,200	190,562	186,516
(n) 5320 Education and Training	0	0	4,364
(o) 5589 Administrative Expenses	1,039,475	2,006,395	2,079,784
(p) 5599 Furniture and Equipment	22,906	14,554	104,600
(q) 5719 Travel Expense	7,964	1,540	1,906
(r) 5829 Depreciation Expense: Building	0	0	0
Subtotal	58,905,554	56,492,998	51,156,436
TOTAL DISBURSEMENTS	797,621,602	760,616,911	720,386,424

## **INVESTMENT INCOME**

INVESTIMENT INCOME	2022	<u>2021</u>	2020
	<u>2022</u>	<u>2021</u>	<u>2020</u>
Investment Income received from:			
(a) Cash (from Schedule 1)	6,505,964	247,803	1,148,503
(b) Short Term Investments (from Schedule 2)	1,633,816	259	387,401
(c) Fixed Income Securities (from Schedules 3A and 3C)	58,946,766	39,262,214	26,235,591
(d) Equities (from Schedules 4A and 4C)	41,758,624	54,186,913	59,457,849
(e) Pooled Funds (from Schedule 5)	76,879,223	71,775,938	53,092,349
(f) Commission Recapture and Securities Litigation	0	0	0
4821 TOTAL INVESTMENT INCOME	185,724,394	165,473,127	140,321,693
Plus:			
4884 Realized Gains (Profits)	90,324,525	400,812,510	197,444,702
4886 Unrealized Gains (Increase in Market Value)	499,229,495	872,680,337	1,284,624,273
1550 Interest/Dividends Due and Accrued - Current Year	13,106,466	10,672,144	9,258,581
Less:			
4823 Paid Accrued Interest on Fixed Income Securities	3,026,964	2,663,572	3,423,070
4885 Realized Losses	146,722,237	9,100,872	71,297,901
4887 Unrealized Losses (Decrease in Market Value)	1,571,428,123	221,749,286	634,974,136
1550 Interest/Dividends Due and Accrued - Prior Year	12,286,934	9,057,353	9,459,810
Additional Adjustments:			
4701 Carried Interest Expense	(5,552,701)	(4,498,076)	(305,340)
4702 Equalization Expense	(2,338,912)	(1,190,137)	(79,452)
4703 Miscellaneous Investment Expenses	(5,188,554)	(2,024,951)	(3,115,869)
NET INVESTMENT INCOME	(958,159,546)	1,199,353,870	908,993,673
Income Required:			
Annuity Savings Fund (from Supplementary Schedule)	1,932,178	1,869,354	1,890,661
Annuity Reserve Fund	13,008,603	12,968,021	13,100,653
Special Military Service Credit Fund	50	50	50
Expense Fund	58,905,554	56,492,998	51,156,436
TOTAL INCOME REQUIRED	73,846,386	71,330,423	66,147,800
Net Investment Income	(958,159,546)	1,199,353,870	908,993,673
Less Income Required	73,846,386	71,330,423	66,147,800
EXCESS INCOME TO PENSION RESERVE FUND	(1,032,005,931)	1,128,023,447	842,845,872

### **Annuity Reserve Interest Calculation**

Enclose a copy of this calculation with the Annual Statement. To calculate interest required for the ARF (3294), begin with the balance on December 31st of the prior year. Subtract from that balance any debits such as annuities paid (5750), option B refunds paid (5759), and any transfer resulting from a surplus in the ARF (3294). Next, add any credits such as transfers from the ASF and any transfer resulting from a deficit in the ARF. Then multiply each monthly balance by .0025. Lastly, enter the total of the 12 months' interest as an adjusting entry, and add it to the balance of December 31st of the statement year.

		Debit Balance			Credit Balance			
				Recovery form			_	
			Transfers	Reinstatement		Transfers		
	<u>5750</u>	<u>5759</u>	<u>Out</u>	<u>4750</u>	<u>3294</u>	<u>In</u>	<u>Balance</u>	x .0025
December 31st (F	P/Y)				443,892,853.67		443,892,853.67	1,109,732.13
January 31st	(10,622,024.90)	-	0.00	0.00	3,435,868.66	0.00	436,706,697.43	1,091,766.74
February 28th	(10,807,862.67)	(340,318.84)	0.00	0.00	10,528,899.46	0.00	436,087,415.38	1,090,218.54
March 31st	(11,124,692.84)	(345,134.65)	0.00	0.00	16,748,835.83	0.00	441,366,423.72	1,103,416.06
April 30th	(10,845,167.45)	(53,362.97)	0.00	0.00	6,681,733.70	0.00	437,149,627.00	1,092,874.07
May 31st	(10,905,977.88)	(30,820.30)	0.00	0.00	11,292,418.13	0.00	437,505,246.95	1,093,763.12
June 30th	(10,898,588.52)	(83,274.82)	0.00	0.00	7,787,381.04	0.00	434,310,764.65	1,085,776.91
July 31st	(10,938,537.72)	(81,528.49)	0.00	0.00	6,131,272.98	0.00	429,421,971.42	1,073,554.93
August 31st	(11,039,202.67)	(66,778.17)	0.00	0.00	10,906,908.53	0.00	429,222,899.11	1,073,057.25
September 30th	(11,142,265.74)	-	0.00	0.00	6,674,943.13	0.00	424,755,576.50	1,061,888.94
October 31st	(11,329,419.13)	(102,788.82)	0.00	0.00	14,575,495.96	0.00	427,898,864.51	1,069,747.16
November 30th	(11,413,157.16)	-	0.00	0.00	8,637,282.09	0.00	425,122,989.44	1,062,807.47
December 31st					6,259,779.96			
Debit Investment	Income	(Ledger #4821)						13,008,603.32
Credit Annuity Re	serve Fund	(Ledger #3294)						13,008,603.32
Annuity Sav	ings Inter	est Calculatio	n					
Beginning Balance	e							2,041,838,572
Interfund Transfe	rs							(109,660,819)
Adjusted Balance								1,932,177,752
Interest Rate								x .0010
								1,932,178
Military Fur	nd Interest	Calculation						<u>x .0010</u>

50.19

50,189.09

# Annual Statement of the BOSTON RETIREMENT BOARD for the year ended December 31, 2022

Inactive membership, December 31, previous yr	Active Members Active membership, December 31, previous yr	<b>Group 1</b> 17,381	<b>Groups 2 and 4</b> 4,187	<b>Total</b> 21,568
Enrolled during current year   2,194   308   2,502   Transfers between groups   0   0   0   0   0   0   0   0   0				
Transfers between groups				
Reinstatements of disabled members         0         0         0           Subtotal         353,884         5,159         40,543           Deduct         23         5         28           Withdrawals         430         16         446           Retirements         445         1699         614           Subtotal         34,486         4,969         39,455           Active membership, December 31, current yr         18,216         4,273         22,489           Inactive membership, December 31, current yr         16,287         679         16,966           Retired Members, Beneficiaries, and Survivors         Retired Members, Beneficiaries, and Survivors         8         8         1696           Retired Members, Beneficiaries, and Survivors         8         2         143         505         16,966           Retired Members, Beneficiaries, and Survivors         8         2         143         505         16,966           Retired Members, Beneficiaries, and Survivors         8         2         143         505         16,966           Retired Members, Beneficiaries, and Survivor membership,         2         143         505         20         0         0         0         0         0         0         0		•		•
Subtotal         35,384         5,159         40,543           Deduct Death         23         5         28           Withdrawals         430         16         446           Retirements         445         169         614           Subtotal         34,486         4,969         39,455           Active membership, December 31, current yr         18,216         4,273         22,489           Inactive membership, December 31, current yr         16,287         679         16,986           Retired Members, Beneficiaries, and Survivors         Retired Members, Beneficiary, and Survivor membership, December 31, previous year         10,954         3,907         14,861           Retirements during the year:         Superannuation         362         143         505           Ordinary disability         0         0         0         0           Accidental disability         12         26         38           Termination retirement allowance         0         0         0         0           Beneficiary of Deceased Retiree         54         39         93         93         93         93         93         93         93         93         93         94         93         93         93         94 <td></td> <td></td> <td></td> <td>_</td>				_
Deduct				
Death   23   5   28		<del></del>	<del></del>	
Withdrawals         430         16         446           Retirements         445         169         39,455           Subtotal         34,486         4,969         39,455           Active membership, December 31, current yr         18,216         4,273         22,489           Inactive membership, December 31, current yr         16,287         679         16,966           Retired Members, Beneficiaries, and Survivors         Retired Members, Beneficiaries, and Survivor membership, December 31, previous year         10,954         3,907         14,861           Retired Members, Beneficiaries, and Survivor membership, December 31, previous year         10,954         3,907         14,861           Retired Members 31, previous year         10,954         3,907         14,861           Retirements during the year:         Superannuation         362         143         505           Superannuation         362         143         505         50           Cordinary disability         12         26         38         38         169         93         39         30         30         30         30         30         30         30         30         30         30         30         30         30         30         30         30         30 </td <td>Deduct</td> <td></td> <td></td> <td></td>	Deduct			
Retirements         445 (subtotal)         169 (subtotal)         614 (subtotal)           Active membership, December 31, current yr (subtotal)         18,216 (subtotal)         4,969 (subtotal)         39,455           Active membership, December 31, current yr (subtotal)         16,287 (subtotal)         679 (subtotal)         16,966           Retired Members, Beneficiaries, and Survivors Retired, Beneficiary, and Survivor membership, December 31, previous year         10,954 (subtotal)         3,907 (subtotal)         14,861           Retirements during the year:         Superannuation         362 (subtotal)         143 (subtotal)         500 (subtotal)         0 (subtotal)	Death	23	5	28
Subtotal         34,486         4,969         39,455           Active membership, December 31, current yr         18,216         4,273         22,489           Inactive membership, December 31, current yr         16,287         679         16,966           Retired Members, Beneficiaries, and Survivors           Retired Members, Beneficiary, and Survivor membership,           December 31, previous year         10,954         3,907         14,861           Retirements during the year:           Superannuation         362         143         505           Ordinary disability         0         0         0         0           Accidental disability         12         26         38           Termination retirement allowance         0         0         0         0           Beneficiarie from Active membership         12         5         17           Subtotal         440         213         653           Deduct           Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           S	Withdrawals	430	16	446
Active membership, December 31, current yr 18,216 4,273 22,489 Inactive membership, December 31, current yr 16,287 679 16,966  Retired Members, Beneficiaries, and Survivors Retired, Beneficiary, and Survivor membership, December 31, previous year 10,954 3,907 14,861  Retirements during the year:  Superannuation 362 143 505 Ordinary disability 0 0 0 0 0 0 Accidental disability 12 26 38 Termination retirement allowance 0 0 0 0 0 Beneficiary of Deceased Retiree 54 39 933 Survivor Benefits from Active membership 12 5 17 Subtotal 440 213 653  Deduct Death of retired members 417 102 519 Termination of survivor benefits 81 88 169 Reinstatements of disabled pensions 0 0 0 0 Subtotal 498 190 688  Retired Membership, end of period Superannuation 9,339 1,897 11,236 Ordinary disability 105 24 129 Accidental disability 471 1,136 1,607 Termination retirement allowance 24 11 Beneficiaries from Section 100 120 285 405 Beneficiaries from Section 101 96 189 285 Option (d) Survivor Allowance 487 142 629 Section 12B Survivor Allowance 2 19 21 Total membership. Active, inactive, retired, beneficiary, survivor,	Retirements			
Inactive membership, December 31, current yr   16,287   679   16,966     Retired Members, Beneficiaries, and Survivors   Retired, Beneficiary, and Survivor membership, December 31, previous year   10,954   3,907   14,861     Retirements during the year:   Superannuation   362   143   505     Ordinary disability   0   0   0   0   0     Accidental disability   12   26   38     Termination retirement allowance   0   0   0   0     Beneficiary of Deceased Retiree   54   39   93     Survivor Benefits from Active membership   12   5   17     Subtotal   440   213   653     Deduct   Death of retired members   417   102   519     Termination of survivor benefits   81   88   169     Reinstatements of disabled pensions   0   0   0   0     Subtotal   498   190   688     Retired Membership, end of period   Superannuation   9,339   1,897   11,236     Ordinary disability   105   24   129     Accidental disability   105   24   129     Accidental disability   105   24   129     Accidental disability   471   1,136   1,607     Termination retirement allowance   24   11     Beneficiaries from Section 100   120   285   405     Beneficiaries from Section 101   96   189   285     Denter of the survivor Allowance   487   142   629     Section 128 Survivor Allowance   487   142   629     Section 128 Survivor Allowance   2   19   21     Retired, Beneficiary, and Survivor membership   11,362   4,074   15,401     Total membership: Active, retired, beneficiary, survivor,	Subtotal	34,486	4,969	39,455
Retired Members, Beneficiaries, and Survivors   Retired, Beneficiary, and Survivor membership, December 31, previous year   10,954   3,907   14,861     Retirements during the year:   Superannuation   362   143   505     Ordinary disability   0   0   0   0   0     Accidental disability   12   26   38     Termination retirement allowance   54   39   93     Survivor Benefits from Active membership   12   5   17     Subtotal   519   519     Termination of survivor benefits   81   88   169     Reinstatements of disabled pensions   0   0   0     Subtotal   498   190   688     Retired Membership, end of period   Superannuation   9,339   1,897   11,236     Ordinary disability   105   24   129     Accidental di	Active membership, December 31, current yr	18,216	4,273	22,489
Retired, Beneficiary, and Survivor membership, December 31, previous year         10,954         3,907         14,861           Retirements during the year:           Superannuation         362         143         505           Ordinary disability         0         0         0         0           Accidental disability         12         26         38         38         18         38         18         18         93         93         38         17         12         5         17         39         93         39         39         39         39         39         39         39         39         39         39         39         39         39         36         30         17         Subtotal         440         213         653         17         Subtotal         440         213         653         17         519         17         Subtotal         440         213         653         17         519         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18 </td <td>Inactive membership, December 31, current yr</td> <td></td> <td>679</td> <td>16,966</td>	Inactive membership, December 31, current yr		679	16,966
Superannuation         362         143         505           Ordinary disability         0         0         0           Accidental disability         12         26         38           Termination retirement allowance         0         0         0           Beneficiary of Deceased Retiree         54         39         93           Survivor Benefits from Active membership         12         5         17           Subtotal         440         213         653           Deduct         2         519         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         8         189         1,236           Ordinary disability         105         24         129           Accidental disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         1           Beneficiaries from Section 100         120         <	Retired, Beneficiary, and Survivor membership,	10,954	3,907	14,861
Superannuation         362         143         505           Ordinary disability         0         0         0           Accidental disability         12         26         38           Termination retirement allowance         0         0         0           Beneficiary of Deceased Retiree         54         39         93           Survivor Benefits from Active membership         12         5         17           Subtotal         440         213         653           Deduct         2         519         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         8         189         1,236           Ordinary disability         105         24         129           Accidental disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         1           Beneficiaries from Section 100         120         <	Potiroments during the year:			
Ordinary disability         0         0         0           Accidental disability         12         26         38           Termination retirement allowance         0         0         0           Beneficiary of Deceased Retiree         54         39         93           Survivor Benefits from Active membership         12         5         17           Subtotal         440         213         653           Deduct         Variation of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from Section 101         96         189         285           Beneficiaries from Section 101         96         189         285     <		362	1/3	505
Accidental disability         12         26         38           Termination retirement allowance         0         0         0           Beneficiary of Deceased Retiree         54         39         93           Survivor Benefits from Active membership         12         5         17           Subtotal         440         213         653           Deduct         Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347	•			
Termination retirement allowance         0         0         0           Beneficiary of Deceased Retiree         54         39         93           Survivor Benefits from Active membership         12         5         17           Subtotal         440         213         653           Deduct         Use of particular of survivor benefits         81         88         169           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487			•	_
Beneficiary of Deceased Retiree         54         39         93           Survivor Benefits from Active membership         12         5         17           Subtotal         440         213         653           Deduct         Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         8         1897         11,236           Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142 <td></td> <td></td> <td></td> <td></td>				
Survivor Benefits from Active membership Subtotal         12         5         17           Subtotal         440         213         653           Deduct Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         8         1897         11,236           Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         1           Beneficiaries from Section 100         120         285         405           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21				_
Subtotal         440         213         653           Deduct         Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         1           Beneficiaries from Section 100         120         285         405           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership.         11,362         4,074         15,401				
Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401		440	213	653
Death of retired members         417         102         519           Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401				
Termination of survivor benefits         81         88         169           Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         3498         190         688           Retired Membership, end of period         3399         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         24         129           Accidental disability         471         1,136         1,607         1,607           Termination retirement allowance         24         11         22         285         405           Beneficiaries from Section 100         120         285         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405         405	Deduct			
Reinstatements of disabled pensions         0         0         0           Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11         11         11         11         120         285         405         14         12         12         12         285         405         14         13         24         37         13         24         37         13         24         37         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14 </td <td></td> <td></td> <td></td> <td></td>				
Subtotal         498         190         688           Retired Membership, end of period         Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401    Total membership:  Active, inactive, retired, beneficiary, survivor,				
Retired Membership, end of period         Superannuation       9,339       1,897       11,236         Ordinary disability       105       24       129         Accidental disability       471       1,136       1,607         Termination retirement allowance       24       11         Beneficiaries from Section 100       120       285       405         Beneficiaries from accidental death       13       24       37         Beneficiaries from Section 101       96       189       285         Beneficiaries under Option (c)       705       347       1,052         Option (d) Survivor Allowance       487       142       629         Section 12B Survivor Allowance       2       19       21         Retired, Beneficiary, and Survivor membership,       11,362       4,074       15,401	·			
Superannuation         9,339         1,897         11,236           Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401    Total membership:  Active, inactive, retired, beneficiary, survivor,	Subtotal	498	190	688
Ordinary disability         105         24         129           Accidental disability         471         1,136         1,607           Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401   Total membership:  Active, inactive, retired, beneficiary, survivor,	Retired Membership, end of period			
Accidental disability       471       1,136       1,607         Termination retirement allowance       24       11         Beneficiaries from Section 100       120       285       405         Beneficiaries from accidental death       13       24       37         Beneficiaries from Section 101       96       189       285         Beneficiaries under Option (c)       705       347       1,052         Option (d) Survivor Allowance       487       142       629         Section 12B Survivor Allowance       2       19       21         Retired, Beneficiary, and Survivor membership,       11,362       4,074       15,401    Total membership: Active, inactive, retired, beneficiary, survivor,	Superannuation	9,339	1,897	11,236
Termination retirement allowance         24         11           Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401           Total membership:           Active, inactive, retired, beneficiary, survivor,	Ordinary disability	105	24	129
Beneficiaries from Section 100         120         285         405           Beneficiaries from accidental death         13         24         37           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401           Total membership:           Active, inactive, retired, beneficiary, survivor,	Accidental disability	471	1,136	1,607
Beneficiaries from accidental death         13         24         37           Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401           Total membership:           Active, inactive, retired, beneficiary, survivor,	Termination retirement allowance	24	11	
Beneficiaries from Section 101         96         189         285           Beneficiaries under Option (c)         705         347         1,052           Option (d) Survivor Allowance         487         142         629           Section 12B Survivor Allowance         2         19         21           Retired, Beneficiary, and Survivor membership,         11,362         4,074         15,401           Total membership:           Active, inactive, retired, beneficiary, survivor,				
Beneficiaries under Option (c ) 705 347 1,052 Option (d) Survivor Allowance 487 142 629 Section 12B Survivor Allowance 2 19 21 Retired, Beneficiary, and Survivor membership, 11,362 4,074 15,401  Total membership: Active, inactive, retired, beneficiary, survivor,	Beneficiaries from accidental death	13	24	37
Option (d) Survivor Allowance 487 142 629 Section 12B Survivor Allowance 2 19 21 Retired, Beneficiary, and Survivor membership, 11,362 4,074 15,401  Total membership: Active, inactive, retired, beneficiary, survivor,				
Section 12B Survivor Allowance 2 19 21  Retired, Beneficiary, and Survivor membership, 11,362 4,074 15,401  Total membership: Active, inactive, retired, beneficiary, survivor,	1 ( )			
Retired, Beneficiary, and Survivor membership, 11,362 4,074 15,401  Total membership: Active, inactive, retired, beneficiary, survivor,	1 ( )			
Total membership: Active, inactive, retired, beneficiary, survivor,				
Active, inactive, retired, beneficiary, survivor,	Retired, Beneficiary, and Survivor membership,	11,362	4,074	15,401
Active, inactive, retired, beneficiary, survivor,	Total membership:			
December 31, current year 45,865 9,026 54,856				
	December 31, current year	45,865	9,026	54,856

# Schedule A Detail of Accounts Receivable and Accounts Payable

Accounts Receivable		<u>DATE</u>
4825 - Miscellaneous Income - Teacher Administrative Expense Reimbursement 4891 - Members Deductions	73,875	12/31/22
4892 - Transfers From Other Systems	73,873	12/31/22
4893 - Member Make Up Payments and Redeposits	0	
4900 - Member Payments from Rollovers	0	
4898 - 3-(8)(c) Reimbursements From Other Systems	7,078,291	12/31/22
4899 - Received from Commonwealth for COLA and Survivor Bene	0	.2,0.,22
4884 - Profit on Sale of Investments	0	
4894 - Pension Fund Appropriation	21,465,873	12/31/22
4890 - Contr Rec'd from municipality on a/c of mil serv	0	·
4896 - Expense Fund Appropriation	0	
4897 - Federal Grant Reimbursement	0	
4895 - Pension Reserve Appropriation	0	
4901 -Workmen's Compensation	0	
4902 - Refund of Section 91A	0	
4903 - Warrants Receivable	0	
4904 - Interest Receivable	0	
4905 - Receivable for Foreign Currency Sold	0	
4905 - Open Trades - International	63,805	12/31/22
4905 - Open Trades - Domestic Equities and Fixed Income	6,403,698	12/31/22
Total Receivables	35,085,542	
Accounts Payable		
5757 - Refunds to Members	0	
5756 - Transfers to Other Systems	0	
5750 - Annuities Paid	0	
5759 - Option B Refunds	0	
5751 - Pensions Paid	0	40/04/00
5755 - 3(8)(c) Reimbursements To Other Systems	-24,529,648	<u>12/31/22</u>
5752 - COLA's Paid	0	
5753 - Chapter 389 Beneficiary Increase Paid	0	
4885 - Loss on Sale of Investments	0	
4890 - Return to Municipality For Members who withdrew funds	0	
5118 - Board Member Stipend 5119 - Salaries		12/21/22
5304 - Management Fees as offset to Expense Fund	-2,149,561 -4,293,430	<u>12/31/22</u> 12/31/22
5305 - Custodial Fees as offset to Expense Fund	-125,887	12/31/22
5307 - Consultant Fees	0	12/31/22
5308 - Legal Expenses	-12,330	12/31/22
5309 - Medical Expenses	-12,731	12/31/22
5315 - Professional Services	-327,866	12/31/22
5589 - Administrative Expenses	-18,101	12/31/22
5599 - Furniture and Equipment	-2,005	12/31/22
5719 - Travel	0	
5901 - Payable for Foreign Currency Purchased	0	
5901 - Investments Payable - International	0	
5901 - Investments Payable - Domestic Equities and Fixed Income	-28,218,897	12/31/22
5901 - Management Fees	0	
5902 - Federal Grant Reimbursement due to City of Boston	0	
5903 - Investment Payable		
5904 - Investment Payable	0	
5310 - Fiduciary Insurance	0	
5311 - Service Contracts	-795	12/31/22
5312 - Rent Expense	0	
Total Payables	-59,691,252	