

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY RETIREMENT FUND  
MINUTES OF REGULAR MEETING  
August 19, 2022

Pursuant to notice by the Interim-Executive Director, the Regular Meeting of the Retirement Board of the Massachusetts Bay Transportation Authority Retirement Fund was held on Friday, August 19, 2022, at 9:32 AM, at One Washington Mall, 4<sup>th</sup> Floor, Boston, MA 02108.

The Members present by video conference were James Evers, Craig Hughes, Mary Ann O’Hara, Betsy Taylor and Paul Todisco; Alternate Members were, Gerald Kelley, Timothy Long and Patrick Landers.

Also present were John P. Barry, Interim-Executive Director and Jacquelyn Carey, Acting Recording Secretary. Julian Regan and Pamela Dubuc of Segal Marco Advisors were also present.

Interim-Chairperson James Evers presided.

SECTION II – REGULAR SESSION

a. Minutes

Chairperson Evers stated that the next item on the Agenda was the Consideration of Minutes of Prior Meeting of the Board, July 15, 2022. He inquired if there were any questions. None were asked.

On motion, duly made and seconded, it was unanimously

VOTED:- TO approve the Minutes of the Regular Meeting of July 15, 2022.

b. Approvals

Chairperson Evers stated that the second item on the Agenda was Approvals. Chairperson Evers asked the Board to review the items listed for approval on pages 4-9 of the meeting packet.

On motion, duly made and seconded, it was unanimously

VOTED:- TO approve Item b. as indicated  
on Pages 4 through 9 of the meeting packet.

c. Informational Items

Chairperson Evers stated that Section II covering Items c. as indicated on Pages 10 through 16 of the meeting packet are INFORMATIONAL ITEMS to be reviewed at the Board's leisure.

d. Report of Executive Director

Chairperson Evers stated that the next item on the Agenda was a report from the Executive Director.

i. General Financial Reports

Mr. Barry directed the Board's attention to the Financial and Flash reports and gave an account of the Fund's financial activities for the month of July 2022. He reported that for the month of July, the Fund had a total of \$13,358,541 in deposits and \$19,331,519 in withdrawals for a net-outflow of \$5,972,978. He added that the market value at the end of July 2022 was \$1,710,209,041. Mr. Barry reviewed the overall performance of each of the Fund's asset classes in comparison to their respective benchmark. He noted that July had a good bounce back in performance, hopeful it is indicating a turn in the markets.

On motion, duly made and seconded, it was unanimously

VOTED:- TO approve the General Financial Report of the Executive Director for the Month of July 2022.

On motion, duly made and seconded, it was unanimously

VOTED:- THAT the Retirement Board of the MBTA Retirement Fund move into Closed Session.

The meeting went into Closed Session at 9:36 AM.

The regular meeting reconvened at 10:14 AM.

SECTION IV – REGULAR SESSION

a. Votes Taken

There being no further business to come before the Board,

On motion, duly made and seconded, it was unanimously

VOTED:- TO adjourn.

Adjourned accordingly at 10:15 AM.

A true record.

ATTEST:

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Notary Public

**MASSACHUSETTS BAY TRANSPORTATION AUTHORITY RETIREMENT BOARD**  
**FINANCIAL REPORT**  
**MONTH END**  
**August 31, 2022**

**State Street Bank & Trust Company - Trust Account**

<b><u>Month</u></b>	<b><u>Deposits</u></b>	<b><u>Withdrawals</u></b>	<b><u>Net</u></b>
January	\$ 12,836,470	\$ 19,216,550	(6,380,081)
February	12,937,432	19,200,055	(6,262,623)
March	12,796,526	19,240,071	(6,443,545)
April	20,209,806	19,167,006	1,042,800
May	12,488,898	19,343,235	(6,854,337)
June	15,972,897	19,254,844	(3,281,946)
July	13,358,541	19,331,519	(5,972,978)
August	12,884,727	19,114,057	(6,229,330)
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
<b>TOTAL</b>	<b>\$ 113,485,296</b>	<b>\$ 153,867,337</b>	<b>\$ (40,382,041)</b>

Balance - July	0
Deposits - August	\$ 269,780
Less Withdrawals - August	\$ (269,780)
	0

**Investment Portfolio**

	<b><u>August 31, 2022</u></b>	<b><u>July 31, 2022</u></b>	<b><u>December 31, 2021</u></b>
<b><u>Securities</u></b>	<b><u>Market Value</u></b>	<b><u>Market Value</u></b>	<b><u>Market Value</u></b>
US Equity	\$ 422,485,592	\$ 438,543,512	\$ 506,232,560
Global Equity and Emerging	102,302,862	105,187,929	152,047,544
Non-US Equity	162,229,597	173,136,645	213,059,344
Fixed Income	383,788,204	391,714,436	431,292,448
Alternative - Hedge Funds	66,322,318	65,718,410	81,398,857
Alternative - Diversified Beta	96,536,049	101,899,498	123,788,181
Alternative - Opportunistic	19,591,541	19,591,541	13,407,727
Alternative - Private Equity	161,310,473	159,854,713	153,523,382
Alternative - Private Credit	25,600,999	25,426,556	26,098,427
Real Estate	184,036,546	184,374,259	179,905,942
Short Term	36,745,141	44,761,542	59,188,013
<b>TOTAL</b>	<b>\$ 1,660,949,322</b>	<b>\$ 1,710,209,041</b>	<b>\$ 1,939,942,425</b>



Returns - Net of Fees

	<u>MONTH TO</u>		<u>ROLLING</u>	<u>ROLLING</u>	<u>ROLLING</u>	<u>ROLLING</u>		
	<u>DATE</u>	<u>YTD</u>	<u>1 YEAR</u>	<u>3 YEARS</u>	<u>5 YEARS</u>	<u>10 YEARS</u>	<u>MKT VALUE</u>	<u>ALLOCATION</u>
<b><u>EQUITY-USD</u></b>								
TOTAL LARGE CAP EQUITY	-3.65	-15.01	-11.12	11.95	11.09	12.01	296,577,696	17.8
S&P 500	-4.08	-16.14	-11.23	12.39	11.82	13.08		
TOTAL SMALL CAP EQUITY	-3.69	-19.95	-18.26	10.02	9.43	11.13	125,907,896	7.6
RUSSELL 2000 GROWTH	-0.94	-22.29	-25.26	5.93	6.69	10.16		
RUSSELL 2000 VALUE	-3.16	-12.17	-10.18	10.37	6.56	-		
GLOBAL EQUITY AND EMERGING MARKETS	-2.72	-34.35	-38.55	5.32	7.49	-	102,302,862	6.1
MSCI ALL COUNTRY WORLD INDEX (NET)	-3.68	-17.75	-15.88	8.03	6.97	-		
<b><u>TOTAL INTERNATIONAL EQUITY</u></b>								
MSCI EAFE	-6.28	-22.52	-24.36	0.91	0.27	4.41	162,229,597	9.8
	-4.75	-19.57	-19.80	2.39	1.63	5.00		
<b><u>FIXED INCOME</u></b>								
TOTAL DOMESTIC FIXED INCOME	-1.97	-8.40	-8.65	-0.18	1.14	2.31	383,788,204	23.2
BC AGGREGATE	-2.83	-10.75	-11.52	-2.00	0.52	1.35		
<b><u>SHORT TERM INVESTMENTS</u></b>								
91 DAY T-BILL	0.16	0.36	0.37	0.57	1.12	0.66		
MASTER ACCOUNT	0.19	0.49	0.49	0.51	1.05	0.64	29,636,242	1.7
CASH EQUITIZATION CUSTOM INDEX	-3.81	-16.88	-14.38	9.36	8.45	10.52		
91 DAY T-BILL	0.16	0.36	0.37	0.57	1.12	0.66		
SSGM CASH EQUITIZATION	-2.05	-8.56	-6.83	8.07	6.99	9.36	7,108,899	0.4



Returns - Net of Fees

	<u>MONTH TO</u> <u>DATE</u>	<u>YTD</u>	<u>ROLLING</u> <u>1 YEAR</u>	<u>ROLLING</u> <u>3 YEARS</u>	<u>ROLLING</u> <u>5 YEARS</u>	<u>ROLLING</u> <u>10 YEARS</u>	<u>MKT VALUE</u>	<u>ALLOCATION</u>
<b>TOTAL HEDGE FUND*</b>	<b>0.92</b>	<b>-1.24</b>	<b>-0.55</b>	<b>3.89</b>	<b>2.54</b>	<b>3.21</b>	<b>66,322,318</b>	<b>4.0</b>
<b>91 T - BILL ONE MONTH LAG PLUS 300BP</b>	<b>0.30</b>	<b>2.20</b>	<b>3.22</b>	<b>3.60</b>	<b>4.13</b>	<b>3.66</b>		
<b>DIVERSIFIED BETA</b>	<b>-5.26</b>	<b>-14.48</b>	<b>-14.83</b>	<b>2.37</b>	<b>3.87</b>	<b>-</b>	<b>96,536,049</b>	<b>5.9</b>
<b>91 DAY T BILL PLUS 300 BPS</b>	<b>0.41</b>	<b>2.35</b>	<b>3.38</b>	<b>3.59</b>	<b>4.15</b>	<b>3.68</b>		
<b>60% MSCI WORLD EQUITY/40% BC AGG BOND</b>	<b>-3.64</b>	<b>-14.88</b>	<b>-13.44</b>	<b>4.72</b>	<b>5.19</b>	<b>-</b>		
<b>BBG BARCLAYS U.S. TSY BELLWETHERS 3M PR</b>	<b>0.18</b>	<b>0.38</b>	<b>0.39</b>	<b>0.58</b>	<b>1.13</b>	<b>-</b>		
<b>OPPORTUNISTIC**</b>	<b>0.00</b>	<b>2.59</b>	<b>6.20</b>	<b>10.51</b>	<b>9.16</b>	<b>-</b>	<b>19,591,541</b>	<b>1.2</b>
<b>BANK OF AMERICA/MERRILL LYNCH HIGH YIELD QT</b>	<b>-3.64</b>	<b>-7.38</b>	<b>-4.96</b>	<b>2.64</b>	<b>-</b>	<b>-</b>		
<b>PRIVATE CREDIT**</b>								
<b>STATE STREET PE CREDIT BENCHMARK</b>	<b>-</b>	<b>4.38</b>	<b>14.92</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>TOTAL PRIVATE CREDIT</b>	<b>-</b>	<b>4.40</b>	<b>23.46</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25,600,999</b>	<b>1.5</b>
<b>PRIVATE EQUITY **</b>								
<b>STATE STREET PE BENCHMARK</b>	<b>-</b>	<b>5.06</b>	<b>24.00</b>	<b>23.02</b>	<b>19.06</b>	<b>14.73</b>		
<b>TOTAL PRIVATE EQUITY^^</b>	<b>-</b>	<b>10.43</b>	<b>22.52</b>	<b>25.48</b>	<b>18.50</b>	<b>13.24</b>	<b>161,310,473</b>	<b>9.7</b>
<b>REAL ESTATE **</b>								
<b>NCREIF PROPERTY INDEX QTR LAG</b>	<b>-</b>	<b>11.80</b>	<b>21.87</b>	<b>9.60</b>	<b>8.54</b>	<b>9.61</b>		
<b>NCREIF ODCE</b>	<b>-</b>	<b>12.49</b>	<b>29.51</b>	<b>12.66</b>	<b>10.54</b>	<b>11.16</b>		
<b>TOTAL REAL ESTATE</b>	<b>-</b>	<b>12.76</b>	<b>22.94</b>	<b>9.32</b>	<b>8.99</b>	<b>11.20</b>	<b>184,036,546</b>	<b>11.1</b>
<b>TOTAL FUND</b>								
<b>MBTA ALLOCATION MIX</b>	<b>-2.07</b>	<b>-8.76</b>	<b>-6.07</b>	<b>7.20</b>	<b>6.89</b>	<b>7.05</b>		
<b>MBTA POLICY MIX</b>	<b>-2.01</b>	<b>-8.15</b>	<b>-5.24</b>	<b>7.04</b>	<b>6.40</b>	<b>7.27</b>		
<b>TOTAL FUND</b>	<b>-2.48</b>	<b>-7.78</b>	<b>-6.31</b>	<b>8.12</b>	<b>7.36</b>	<b>7.81</b>	<b>1,660,949,322</b>	<b>100.0</b>
<b>PREVIOUS MKT VALUE</b>							<b>1,710,209,041</b>	
<b>MONTHLY CHANGE IN MARKET VALUE</b>							<b>-49,259,720</b>	
<b>12/31/2021 MKT VALUE</b>							<b>1,939,942,425</b>	
<b>YTD CHANGE IN MARKET VALUE</b>							<b>-278,993,103</b>	

\* YTD Returns lags by one month. Actual returns through July 31, 2022

\*\* YTD Return for PE, RE, Opportunistic HF lags by one quarter. YTD return is through 03/31/2022 adjusted for cash flows. The month return is the last quarter return.

^ 36% Buyout, 9% Venture, 37% Debt and 18% Fund of Funds

^^ Active portfolio - post 2005