

## 2020 RETURNS

alpha	Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
ADAMS	8.00%	8.28%	6.46%	7.77%	67.40%	01/01/2020
AMESBURY	12.39%	10.34%	8.89%	8.25%	57.20%	01/01/2020
ANDOVER	12.42%	10.40%	8.99%	8.58%	47.30%	01/01/2020
ARLINGTON	11.94%	9.91%	8.72%	8.54%	54.60%	01/01/2020
ATTLEBORO	16.51%	11.65%	9.78%	9.25%	62.20%	01/01/2020
BARNSTABLE COUNTY	12.71%	10.56%	9.08%	7.83%	60.80%	01/01/2020
BELMONT	11.30%	9.55%	8.75%	9.38%	60.40%	01/01/2020
BERKSHIRE COUNTY	12.39%	10.35%	8.92%	9.14%	83.80%	01/01/2019
BEVERLY	12.60%	10.44%	9.06%	8.77%	61.00%	01/01/2020
BLUE HILLS REGIONAL	12.26%	10.27%	8.90%	8.84%	73.80%	01/01/2020
BOSTON (CITY)	12.36%	9.62%	8.00%	8.93%	75.60%	01/01/2020
BOSTON (TEACHERS)	12.23%	10.31%	8.89%	NA	41.10%	01/01/2019
BRAINTREE	13.91%	10.35%	8.29%	8.80%	67.70%	01/01/2020
BRISTOL COUNTY	12.21%	9.99%	8.68%	8.99%	60.10%	01/01/2020
BROCKTON	9.87%	8.90%	7.32%	8.65%	60.60%	01/01/2020
BROOKLINE	12.81%	9.88%	7.93%	8.77%	59.60%	01/01/2020
CAMBRIDGE	12.08%	10.08%	9.05%	9.35%	85.80%	01/01/2020
CHELSEA	12.53%	10.43%	8.97%	8.22%	69.60%	01/01/2019
CHICOPEE	12.91%	10.36%	9.19%	8.81%	79.90%	01/01/2019
CLINTON	12.80%	10.44%	8.90%	8.01%	67.70%	01/01/2019
CONCORD	10.23%	9.20%	8.68%	8.65%	88.60%	01/01/2020
DANVERS	12.16%	9.80%	7.52%	8.15%	60.30%	01/01/2020
DEDHAM	12.71%	10.51%	9.05%	9.62%	83.10%	01/01/2020
DUKES COUNTY	12.77%	11.59%	10.24%	8.29%	78.20%	01/01/2020
EASTHAMPTON	12.47%	10.38%	8.96%	8.49%	74.90%	01/01/2020
ESSEX REGIONAL	12.17%	10.18%	9.01%	8.90%	53.80%	01/01/2020
EVERETT	12.68%	10.54%	9.07%	8.67%	62.90%	01/01/2020
FAIRHAVEN	12.54%	10.38%	8.98%	9.41%	74.50%	01/01/2020
FALL RIVER	12.61%	10.10%	8.82%	8.55%	41.80%	01/01/2019
FALMOUTH	10.36%	9.30%	8.73%	8.99%	67.10%	01/01/2020
FITCHBURG	12.27%	10.34%	8.83%	7.92%	47.60%	01/01/2020
FRAMINGHAM	12.39%	10.34%	8.94%	9.38%	72.80%	01/01/2020
FRANKLIN REGIONAL	12.65%	10.14%	9.31%	8.59%	74.40%	01/01/2020
GARDNER	12.37%	10.37%	8.95%	9.49%	59.70%	01/01/2020
GLOUCESTER	12.69%	10.48%	9.02%	9.03%	49.10%	01/01/2020
GREATER LAWRENCE	18.28%	12.35%	9.80%	8.13%	87.60%	01/01/2019
GREENFIELD	12.88%	10.53%	9.13%	8.71%	57.00%	01/01/2019
HAMPDEN COUNTY REGIONAL	12.24%	10.14%	8.85%	8.76%	48.70%	01/01/2020
HAMPSHIRE COUNTY	12.19%	10.12%	8.29%	8.45%	62.40%	01/01/2020
HAVERHILL	14.45%	10.50%	8.70%	9.97%	53.00%	01/01/2020
HINGHAM	12.59%	10.62%	8.44%	9.23%	70.40%	01/01/2020
HOLYOKE	16.42%	11.25%	10.23%	9.63%	69.00%	01/01/2020
HULL	12.43%	10.42%	8.97%	8.18%	69.60%	01/01/2020
LAWRENCE	12.45%	10.40%	8.95%	8.07%	55.40%	01/01/2020

alpha	Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
LEOMINSTER	12.63%	10.37%	9.31%	8.76%	100.90%	01/01/2020
LEXINGTON	13.86%	10.90%	8.30%	9.00%	80.40%	01/01/2020
LOWELL	12.13%	10.08%	8.74%	9.18%	58.20%	01/01/2019
LYNN	12.11%	10.09%	9.01%	8.24%	52.70%	01/01/2019
MALDEN	18.02%	10.59%	9.43%	9.82%	72.90%	01/01/2020
MARBLEHEAD	12.43%	10.41%	8.98%	9.34%	62.30%	01/01/2020
MARLBOROUGH	14.98%	9.77%	8.11%	8.51%	75.00%	01/01/2019
MA HOUSING FINANCE (MHFA)	14.02%	10.73%	8.12%	7.76%	74.40%	01/01/2019
MASSPORT	16.78%	11.21%	9.08%	9.24%	90.20%	01/01/2020
MA TEACHERS RETIREMENT SYSTEM (MTRS)	12.78%	10.48%	9.04%	9.56%	51.70%	01/01/2019
MA WATER RESOURCES AUTHORITY (MWRA)*	13.42%	9.55%	8.48%	8.33%	86.60%	01/01/2020
MAYNARD	13.87%	9.76%	8.89%	8.12%	72.20%	01/01/2019
MEDFORD	12.18%	8.61%	7.40%	8.77%	61.30%	01/01/2020
MELROSE	11.82%	9.87%	8.54%	8.53%	58.30%	01/01/2019
METHUEN	12.60%	10.55%	9.38%	8.27%	56.20%	01/01/2020
MIDDLESEX COUNTY	12.26%	9.95%	8.72%	8.56%	48.10%	01/01/2020
MILFORD	12.20%	10.31%	8.85%	8.43%	61.30%	01/01/2019
MILTON	12.46%	10.38%	8.97%	9.47%	82.60%	01/01/2019
MINUTEMAN REGIONAL	12.33%	10.13%	8.71%	9.52%	86.00%	01/01/2019
MONTAGUE	12.49%	10.36%	8.95%	9.25%	78.10%	01/01/2020
NATICK	14.74%	10.87%	9.54%	8.41%	63.90%	01/01/2019
NEEDHAM	12.48%	10.33%	8.88%	9.70%	65.60%	01/01/2020
NEW BEDFORD	14.40%	11.32%	9.08%	8.40%	46.90%	01/01/2020
NEWBURYPORT	12.71%	10.24%	8.86%	8.43%	64.90%	01/01/2020
NEWTON	11.98%	10.23%	8.89%	8.78%	54.90%	01/01/2020
NORFOLK COUNTY**	0.00%	0.00%	0.00%	0.00%	63.50%	01/01/2020
NORTH ADAMS	18.62%	10.97%	9.95%	9.80%	77.90%	01/01/2019
NORTH ATTLEBORO	14.82%	10.99%	9.86%	8.93%	73.20%	01/01/2020
NORTHAMPTON	18.39%	10.80%	9.84%	9.63%	69.20%	01/01/2020
NORTHBRIDGE	12.75%	10.53%	9.06%	9.46%	71.90%	01/01/2020
NORWOOD	15.29%	11.75%	9.27%	9.36%	78.40%	01/01/2020
PEABODY	12.56%	10.42%	9.00%	8.81%	49.30%	01/01/2020
PITTSFIELD	12.04%	10.02%	8.86%	8.38%	49.30%	01/01/2019
PLYMOUTH	10.07%	9.96%	9.19%	8.93%	51.90%	01/01/2020
PLYMOUTH COUNTY	14.62%	9.83%	8.42%	9.16%	61.00%	01/01/2020
PRIM BOARD	12.61%	10.42%	8.97%	9.62%	0.00%	01/01/1900
QUINCY**	0.00%	0.00%	0.00%	0.00%	45.00%	01/01/2018
READING	12.44%	10.28%	8.95%	9.36%	75.00%	01/01/2019
REVERE	12.36%	10.31%	8.86%	8.57%	60.00%	01/01/2019
SALEM	12.41%	10.29%	8.73%	8.34%	59.20%	01/01/2020
SAUGUS	12.89%	10.47%	9.02%	9.34%	77.40%	01/01/2019
SHREWSBURY	12.74%	10.83%	9.59%	9.31%	93.40%	01/01/2020
SOMERVILLE	27.59%	13.77%	11.31%	9.60%	62.70%	01/01/2019
SOUTHBRIDGE	12.46%	10.41%	8.83%	8.28%	62.90%	01/01/2020
SPRINGFIELD	12.70%	10.61%	9.16%	8.62%	28.90%	01/01/2020
STATE	12.69%	10.50%	9.05%	9.55%	63.70%	01/01/2019

<b>alpha</b>	<b>Return (2020)</b>	<b>5-Year Return</b>	<b>10-Year Return</b>	<b>36-Year Return</b>	<b>Funded Ratio</b>	<b>Date of Most Recent Valuation</b>
STONEHAM	7.85%	9.36%	8.46%	8.82%	78.10%	01/01/2020
SWAMPSCOTT	12.68%	10.25%	9.13%	9.20%	59.60%	01/01/2019
TAUNTON	11.60%	10.08%	9.02%	9.66%	74.50%	01/01/2020
WAKEFIELD	12.50%	10.42%	9.03%	9.73%	64.70%	01/01/2020
WALTHAM	14.05%	10.29%	9.26%	8.85%	56.80%	01/01/2019
WATERTOWN	13.42%	10.09%	8.76%	8.51%	91.70%	01/01/2020
WEBSTER	9.61%	9.21%	8.46%	8.23%	58.40%	01/01/2020
WELLESLEY	12.51%	10.42%	9.01%	9.99%	77.70%	01/01/2019
WEST SPRINGFIELD	18.19%	10.55%	9.71%	8.53%	66.40%	01/01/2020
WESTFIELD	15.26%	10.65%	9.96%	9.03%	70.40%	01/01/2019
WEYMOUTH	15.65%	10.35%	8.89%	9.89%	65.60%	01/01/2020
WINCHESTER	12.60%	9.70%	7.98%	9.06%	80.50%	01/01/2019
WINTHROP	12.60%	10.44%	8.83%	8.83%	83.20%	01/01/2019
WOBURN	12.58%	10.47%	9.08%	9.45%	61.10%	01/01/2020
WORCESTER	11.87%	10.03%	8.03%	8.89%	63.90%	01/01/2020
WORCESTER REGIONAL	12.53%	10.28%	8.82%	8.39%	46.40%	01/01/2020
Composite	12.82%	10.38%	8.93%	9.32%	66.06%	

\*\* As of the date of this publication, complete information was unavaillable for these Retirement Boards.

## 2020 RETURNS

1-year		Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
SOMERVILLE	1	27.59%	13.77%	11.31%	9.60%	62.70%	01/01/2019
NORTH ADAMS	2	18.62%	10.97%	9.95%	9.80%	77.90%	01/01/2019
NORTHAMPTON	3	18.39%	10.80%	9.84%	9.63%	69.20%	01/01/2020
GREATER LAWRENCE	4	18.28%	12.35%	9.80%	8.13%	87.60%	01/01/2019
WEST SPRINGFIELD	5	18.19%	10.55%	9.71%	8.53%	66.40%	01/01/2020
MALDEN	6	18.02%	10.59%	9.43%	9.82%	72.90%	01/01/2020
MASSPORT	7	16.78%	11.21%	9.08%	9.24%	90.20%	01/01/2020
ATTLEBORO	8	16.51%	11.65%	9.78%	9.25%	62.20%	01/01/2020
HOLYOKE	9	16.42%	11.25%	10.23%	9.63%	69.00%	01/01/2020
WEYMOUTH	10	15.65%	10.35%	8.89%	9.89%	65.60%	01/01/2020
NORWOOD	11	15.29%	11.75%	9.27%	9.36%	78.40%	01/01/2020
WESTFIELD	12	15.26%	10.65%	9.96%	9.03%	70.40%	01/01/2019
MARLBOROUGH	13	14.98%	9.77%	8.11%	8.51%	75.00%	01/01/2019
NORTH ATTLEBORO	14	14.82%	10.99%	9.86%	8.93%	73.20%	01/01/2020
NATICK	15	14.74%	10.87%	9.54%	8.41%	63.90%	01/01/2019
PLYMOUTH COUNTY	16	14.62%	9.83%	8.42%	9.16%	61.00%	01/01/2020
HAVERHILL	17	14.45%	10.50%	8.70%	9.97%	53.00%	01/01/2020
NEW BEDFORD	18	14.40%	11.32%	9.08%	8.40%	46.90%	01/01/2020
WALTHAM	19	14.05%	10.29%	9.26%	8.85%	56.80%	01/01/2019
MA HOUSING FINANCE (MHFA)	20	14.02%	10.73%	8.12%	7.76%	74.40%	01/01/2019
BRAINTREE	21	13.91%	10.35%	8.29%	8.80%	67.70%	01/01/2020
MAYNARD	22	13.87%	9.76%	8.89%	8.12%	72.20%	01/01/2019
LEXINGTON	23	13.86%	10.90%	8.30%	9.00%	80.40%	01/01/2020
MA WATER RESOURCES AUTHORITY (MWRA)*	24	13.42%	9.55%	8.48%	8.33%	86.60%	01/01/2020
WATERTOWN	25	13.42%	10.09%	8.76%	8.51%	91.70%	01/01/2020
CHICOPEE	26	12.91%	10.36%	9.19%	8.81%	79.90%	01/01/2019
SAUGUS	27	12.89%	10.47%	9.02%	9.34%	77.40%	01/01/2019
GREENFIELD	28	12.88%	10.53%	9.13%	8.71%	57.00%	01/01/2019
BROOKLINE	29	12.81%	9.88%	7.93%	8.77%	59.60%	01/01/2020
CLINTON	30	12.80%	10.44%	8.90%	8.01%	67.70%	01/01/2019
MA TEACHERS RETIREMENT SYSTEM (MTRS)	31	12.78%	10.48%	9.04%	9.56%	51.70%	01/01/2019
DUKES COUNTY	32	12.77%	11.59%	10.24%	8.29%	78.20%	01/01/2020
NORTHBRIDGE	33	12.75%	10.53%	9.06%	9.46%	71.90%	01/01/2020
SHREWSBURY	34	12.74%	10.83%	9.59%	9.31%	93.40%	01/01/2020
BARNSTABLE COUNTY	35	12.71%	10.56%	9.08%	7.83%	60.80%	01/01/2020
DEDHAM	36	12.71%	10.51%	9.05%	9.62%	83.10%	01/01/2020
NEWBURYPORT	37	12.71%	10.24%	8.86%	8.43%	64.90%	01/01/2020
SPRINGFIELD	38	12.70%	10.61%	9.16%	8.62%	28.90%	01/01/2020
GLOUCESTER	39	12.69%	10.48%	9.02%	9.03%	49.10%	01/01/2020
STATE	40	12.69%	10.50%	9.05%	9.55%	63.70%	01/01/2019
EVERETT	41	12.68%	10.54%	9.07%	8.67%	62.90%	01/01/2020
SWAMPSCOTT	42	12.68%	10.25%	9.13%	9.20%	59.60%	01/01/2019
FRANKLIN REGIONAL	43	12.65%	10.14%	9.31%	8.59%	74.40%	01/01/2020
LEOMINSTER	44	12.63%	10.37%	9.31%	8.76%	100.90%	01/01/2020
FALL RIVER	45	12.61%	10.10%	8.82%	8.55%	41.80%	01/01/2019

PRIM BOARD	46	12.61%	10.42%	8.97%	9.62%	0.00%	01/01/1900
BEVERLY	47	12.60%	10.44%	9.06%	8.77%	61.00%	01/01/2020
METHUEN	48	12.60%	10.55%	9.38%	8.27%	56.20%	01/01/2020
WINCHESTER	49	12.60%	9.70%	7.98%	9.06%	80.50%	01/01/2019
WINTHROP	50	12.60%	10.44%	8.83%	8.83%	83.20%	01/01/2019
HINGHAM	51	12.59%	10.62%	8.44%	9.23%	70.40%	01/01/2020
WOBURN	52	12.58%	10.47%	9.08%	9.45%	61.10%	01/01/2020
PEABODY	53	12.56%	10.42%	9.00%	8.81%	49.30%	01/01/2020
FAIRHAVEN	54	12.54%	10.38%	8.98%	9.41%	74.50%	01/01/2020
CHELSEA	55	12.53%	10.43%	8.97%	8.22%	69.60%	01/01/2019
WORCESTER REGIONAL	56	12.53%	10.28%	8.82%	8.39%	46.40%	01/01/2020
WELLESLEY	57	12.51%	10.42%	9.01%	9.99%	77.70%	01/01/2019
WAKEFIELD	58	12.50%	10.42%	9.03%	9.73%	64.70%	01/01/2020
MONTAGUE	59	12.49%	10.36%	8.95%	9.25%	78.10%	01/01/2020
NEEDHAM	60	12.48%	10.33%	8.88%	9.70%	65.60%	01/01/2020
EASTHAMPTON	61	12.47%	10.38%	8.96%	8.49%	74.90%	01/01/2020
MILTON	62	12.46%	10.38%	8.97%	9.47%	82.60%	01/01/2019
SOUTHBRIDGE	63	12.46%	10.41%	8.83%	8.28%	62.90%	01/01/2020
LAWRENCE	64	12.45%	10.40%	8.95%	8.07%	55.40%	01/01/2020
READING	65	12.44%	10.28%	8.95%	9.36%	75.00%	01/01/2019
HULL	66	12.43%	10.42%	8.97%	8.18%	69.60%	01/01/2020
MARBLEHEAD	67	12.43%	10.41%	8.98%	9.34%	62.30%	01/01/2020
ANDOVER	68	12.42%	10.40%	8.99%	8.58%	47.30%	01/01/2020
SALEM	69	12.41%	10.29%	8.73%	8.34%	59.20%	01/01/2020
AMESBURY	70	12.39%	10.34%	8.89%	8.25%	57.20%	01/01/2020
BERKSHIRE COUNTY	71	12.39%	10.35%	8.92%	9.14%	83.80%	01/01/2019
FRAMINGHAM	72	12.39%	10.34%	8.94%	9.38%	72.80%	01/01/2020
GARDNER	73	12.37%	10.37%	8.95%	9.49%	59.70%	01/01/2020
BOSTON (CITY)	74	12.36%	9.62%	8.00%	8.93%	75.60%	01/01/2020
REVERE	75	12.36%	10.31%	8.86%	8.57%	60.00%	01/01/2019
MINUTEMAN REGIONAL	76	12.33%	10.13%	8.71%	9.52%	86.00%	01/01/2019
FITCHBURG	77	12.27%	10.34%	8.83%	7.92%	47.60%	01/01/2020
BLUE HILLS REGIONAL	78	12.26%	10.27%	8.90%	8.84%	73.80%	01/01/2020
MIDDLESEX COUNTY	79	12.26%	9.95%	8.72%	8.56%	48.10%	01/01/2020
HAMPDEN COUNTY REGIONAL	80	12.24%	10.14%	8.85%	8.76%	48.70%	01/01/2020
BOSTON (TEACHERS)	81	12.23%	10.31%	8.89%	NA	41.10%	01/01/2019
BRISTOL COUNTY	82	12.21%	9.99%	8.68%	8.99%	60.10%	01/01/2020
MILFORD	83	12.20%	10.31%	8.85%	8.43%	61.30%	01/01/2019
HAMPSHIRE COUNTY	84	12.19%	10.12%	8.29%	8.45%	62.40%	01/01/2020
MEDFORD	85	12.18%	8.61%	7.40%	8.77%	61.30%	01/01/2020
ESSEX REGIONAL	86	12.17%	10.18%	9.01%	8.90%	53.80%	01/01/2020
DANVERS	87	12.16%	9.80%	7.52%	8.15%	60.30%	01/01/2020
LOWELL	88	12.13%	10.08%	8.74%	9.18%	58.20%	01/01/2019
LYNN	89	12.11%	10.09%	9.01%	8.24%	52.70%	01/01/2019
CAMBRIDGE	90	12.08%	10.08%	9.05%	9.35%	85.80%	01/01/2020
PITTSFIELD	91	12.04%	10.02%	8.86%	8.38%	49.30%	01/01/2019
NEWTON	92	11.98%	10.23%	8.89%	8.78%	54.90%	01/01/2020
ARLINGTON	93	11.94%	9.91%	8.72%	8.54%	54.60%	01/01/2020
WORCESTER	94	11.87%	10.03%	8.03%	8.89%	63.90%	01/01/2020
MELROSE	95	11.82%	9.87%	8.54%	8.53%	58.30%	01/01/2019

TAUNTON	<b>96</b>	11.60%	10.08%	9.02%	9.66%	74.50%	01/01/2020
BELMONT	<b>97</b>	11.30%	9.55%	8.75%	9.38%	60.40%	01/01/2020
FALMOUTH	<b>98</b>	10.36%	9.30%	8.73%	8.99%	67.10%	01/01/2020
CONCORD	<b>99</b>	10.23%	9.20%	8.68%	8.65%	88.60%	01/01/2020
PLYMOUTH	<b>100</b>	10.07%	9.96%	9.19%	8.93%	51.90%	01/01/2020
BROCKTON	<b>101</b>	9.87%	8.90%	7.32%	8.65%	60.60%	01/01/2020
WEBSTER	<b>102</b>	9.61%	9.21%	8.46%	8.23%	58.40%	01/01/2020
ADAMS	<b>103</b>	8.00%	8.28%	6.46%	7.77%	67.40%	01/01/2020
STONEHAM	<b>104</b>	7.85%	9.36%	8.46%	8.82%	78.10%	01/01/2020
NORFOLK COUNTY**	<b>105</b>	0.00%	0.00%	0.00%	0.00%	63.50%	01/01/2020
QUINCY**	<b>106</b>	0.00%	0.00%	0.00%	0.00%	45.00%	01/01/2018
Composite		12.82%	10.38%	8.93%	9.32%	66.06%	

\*\* As of the date of this publication, complete information was unavallable for these Retirement Boards.

## 2020 RETURNS

5-year		Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
SOMERVILLE	1	27.59%	13.77%	11.31%	9.60%	62.70%	01/01/2019
GREATER LAWRENCE	2	18.28%	12.35%	9.80%	8.13%	87.60%	01/01/2019
NORWOOD	3	15.29%	11.75%	9.27%	9.36%	78.40%	01/01/2020
ATTLEBORO	4	16.51%	11.65%	9.78%	9.25%	62.20%	01/01/2020
DUKES COUNTY	5	12.77%	11.59%	10.24%	8.29%	78.20%	01/01/2020
NEW BEDFORD	6	14.40%	11.32%	9.08%	8.40%	46.90%	01/01/2020
HOLYOKE	7	16.42%	11.25%	10.23%	9.63%	69.00%	01/01/2020
MASSPORT	8	16.78%	11.21%	9.08%	9.24%	90.20%	01/01/2020
NORTH ATTLEBORO	9	14.82%	10.99%	9.86%	8.93%	73.20%	01/01/2020
NORTH ADAMS	10	18.62%	10.97%	9.95%	9.80%	77.90%	01/01/2019
LEXINGTON	11	13.86%	10.90%	8.30%	9.00%	80.40%	01/01/2020
NATICK	12	14.74%	10.87%	9.54%	8.41%	63.90%	01/01/2019
SHREWSBURY	13	12.74%	10.83%	9.59%	9.31%	93.40%	01/01/2020
NORTHAMPTON	14	18.39%	10.80%	9.84%	9.63%	69.20%	01/01/2020
MA HOUSING FINANCE (MHFA)	15	14.02%	10.73%	8.12%	7.76%	74.40%	01/01/2019
WESTFIELD	16	15.26%	10.65%	9.96%	9.03%	70.40%	01/01/2019
HINGHAM	17	12.59%	10.62%	8.44%	9.23%	70.40%	01/01/2020
SPRINGFIELD	18	12.70%	10.61%	9.16%	8.62%	28.90%	01/01/2020
MALDEN	19	18.02%	10.59%	9.43%	9.82%	72.90%	01/01/2020
BARNSTABLE COUNTY	20	12.71%	10.56%	9.08%	7.83%	60.80%	01/01/2020
METHUEN	21	12.60%	10.55%	9.38%	8.27%	56.20%	01/01/2020
WEST SPRINGFIELD	22	18.19%	10.55%	9.71%	8.53%	66.40%	01/01/2020
EVERETT	23	12.68%	10.54%	9.07%	8.67%	62.90%	01/01/2020
GREENFIELD	24	12.88%	10.53%	9.13%	8.71%	57.00%	01/01/2019
NORTHBRIDGE	25	12.75%	10.53%	9.06%	9.46%	71.90%	01/01/2020
DEDHAM	26	12.71%	10.51%	9.05%	9.62%	83.10%	01/01/2020
HAVERHILL	27	14.45%	10.50%	8.70%	9.97%	53.00%	01/01/2020
STATE	28	12.69%	10.50%	9.05%	9.55%	63.70%	01/01/2019
GLOUCESTER	29	12.69%	10.48%	9.02%	9.03%	49.10%	01/01/2020
MA TEACHERS RETIREMENT SYSTEM (MTRS)	30	12.78%	10.48%	9.04%	9.56%	51.70%	01/01/2019
SAUGUS	31	12.89%	10.47%	9.02%	9.34%	77.40%	01/01/2019
WOBURN	32	12.58%	10.47%	9.08%	9.45%	61.10%	01/01/2020
BEVERLY	33	12.60%	10.44%	9.06%	8.77%	61.00%	01/01/2020
CLINTON	34	12.80%	10.44%	8.90%	8.01%	67.70%	01/01/2019
WINTHROP	35	12.60%	10.44%	8.83%	8.83%	83.20%	01/01/2019
CHELSEA	36	12.53%	10.43%	8.97%	8.22%	69.60%	01/01/2019
HULL	37	12.43%	10.42%	8.97%	8.18%	69.60%	01/01/2020
PEABODY	38	12.56%	10.42%	9.00%	8.81%	49.30%	01/01/2020
PRIM BOARD	39	12.61%	10.42%	8.97%	9.62%	0.00%	01/01/1900
WAKEFIELD	40	12.50%	10.42%	9.03%	9.73%	64.70%	01/01/2020
WELLESLEY	41	12.51%	10.42%	9.01%	9.99%	77.70%	01/01/2019
MARBLEHEAD	42	12.43%	10.41%	8.98%	9.34%	62.30%	01/01/2020
SOUTHBRIDGE	43	12.46%	10.41%	8.83%	8.28%	62.90%	01/01/2020
ANDOVER	44	12.42%	10.40%	8.99%	8.58%	47.30%	01/01/2020
LAWRENCE	45	12.45%	10.40%	8.95%	8.07%	55.40%	01/01/2020

EASTHAMPTON	46	12.47%	10.38%	8.96%	8.49%	74.90%	01/01/2020
FAIRHAVEN	47	12.54%	10.38%	8.98%	9.41%	74.50%	01/01/2020
MILTON	48	12.46%	10.38%	8.97%	9.47%	82.60%	01/01/2019
GARDNER	49	12.37%	10.37%	8.95%	9.49%	59.70%	01/01/2020
LEOMINSTER	50	12.63%	10.37%	9.31%	8.76%	100.90%	01/01/2020
CHICOPEE	51	12.91%	10.36%	9.19%	8.81%	79.90%	01/01/2019
MONTAGUE	52	12.49%	10.36%	8.95%	9.25%	78.10%	01/01/2020
BERKSHIRE COUNTY	53	12.39%	10.35%	8.92%	9.14%	83.80%	01/01/2019
BRAINTREE	54	13.91%	10.35%	8.29%	8.80%	67.70%	01/01/2020
WEYMOUTH	55	15.65%	10.35%	8.89%	9.89%	65.60%	01/01/2020
AMESBURY	56	12.39%	10.34%	8.89%	8.25%	57.20%	01/01/2020
FITCHBURG	57	12.27%	10.34%	8.83%	7.92%	47.60%	01/01/2020
FRAMINGHAM	58	12.39%	10.34%	8.94%	9.38%	72.80%	01/01/2020
NEEDHAM	59	12.48%	10.33%	8.88%	9.70%	65.60%	01/01/2020
BOSTON (TEACHERS)	60	12.23%	10.31%	8.89%	NA	41.10%	01/01/2019
MILFORD	61	12.20%	10.31%	8.85%	8.43%	61.30%	01/01/2019
REVERE	62	12.36%	10.31%	8.86%	8.57%	60.00%	01/01/2019
SALEM	63	12.41%	10.29%	8.73%	8.34%	59.20%	01/01/2020
WALTHAM	64	14.05%	10.29%	9.26%	8.85%	56.80%	01/01/2019
READING	65	12.44%	10.28%	8.95%	9.36%	75.00%	01/01/2019
WORCESTER REGIONAL	66	12.53%	10.28%	8.82%	8.39%	46.40%	01/01/2020
BLUE HILLS REGIONAL	67	12.26%	10.27%	8.90%	8.84%	73.80%	01/01/2020
SWAMPSCOTT	68	12.68%	10.25%	9.13%	9.20%	59.60%	01/01/2019
NEWBURYPORT	69	12.71%	10.24%	8.86%	8.43%	64.90%	01/01/2020
NEWTON	70	11.98%	10.23%	8.89%	8.78%	54.90%	01/01/2020
ESSEX REGIONAL	71	12.17%	10.18%	9.01%	8.90%	53.80%	01/01/2020
FRANKLIN REGIONAL	72	12.65%	10.14%	9.31%	8.59%	74.40%	01/01/2020
HAMPDEN COUNTY REGIONAL	73	12.24%	10.14%	8.85%	8.76%	48.70%	01/01/2020
MINUTEMAN REGIONAL	74	12.33%	10.13%	8.71%	9.52%	86.00%	01/01/2019
HAMPSHIRE COUNTY	75	12.19%	10.12%	8.29%	8.45%	62.40%	01/01/2020
FALL RIVER	76	12.61%	10.10%	8.82%	8.55%	41.80%	01/01/2019
LYNN	77	12.11%	10.09%	9.01%	8.24%	52.70%	01/01/2019
WATERTOWN	78	13.42%	10.09%	8.76%	8.51%	91.70%	01/01/2020
CAMBRIDGE	79	12.08%	10.08%	9.05%	9.35%	85.80%	01/01/2020
LOWELL	80	12.13%	10.08%	8.74%	9.18%	58.20%	01/01/2019
TAUNTON	81	11.60%	10.08%	9.02%	9.66%	74.50%	01/01/2020
WORCESTER	82	11.87%	10.03%	8.03%	8.89%	63.90%	01/01/2020
PITTSFIELD	83	12.04%	10.02%	8.86%	8.38%	49.30%	01/01/2019
BRISTOL COUNTY	84	12.21%	9.99%	8.68%	8.99%	60.10%	01/01/2020
PLYMOUTH	85	10.07%	9.96%	9.19%	8.93%	51.90%	01/01/2020
MIDDLESEX COUNTY	86	12.26%	9.95%	8.72%	8.56%	48.10%	01/01/2020
ARLINGTON	87	11.94%	9.91%	8.72%	8.54%	54.60%	01/01/2020
BROOKLINE	88	12.81%	9.88%	7.93%	8.77%	59.60%	01/01/2020
MELROSE	89	11.82%	9.87%	8.54%	8.53%	58.30%	01/01/2019
PLYMOUTH COUNTY	90	14.62%	9.83%	8.42%	9.16%	61.00%	01/01/2020
DANVERS	91	12.16%	9.80%	7.52%	8.15%	60.30%	01/01/2020
MARLBOROUGH	92	14.98%	9.77%	8.11%	8.51%	75.00%	01/01/2019
MAYNARD	93	13.87%	9.76%	8.89%	8.12%	72.20%	01/01/2019
WINCHESTER	94	12.60%	9.70%	7.98%	9.06%	80.50%	01/01/2019
BOSTON (CITY)	95	12.36%	9.62%	8.00%	8.93%	75.60%	01/01/2020



BELMONT	<b>96</b>	11.30%	9.55%	8.75%	9.38%	60.40%	01/01/2020
MA WATER RESOURCES AUTHORITY (MWRA)*	<b>97</b>	13.42%	9.55%	8.48%	8.33%	86.60%	01/01/2020
STONEHAM	<b>98</b>	7.85%	9.36%	8.46%	8.82%	78.10%	01/01/2020
FALMOUTH	<b>99</b>	10.36%	9.30%	8.73%	8.99%	67.10%	01/01/2020
WEBSTER	<b>100</b>	9.61%	9.21%	8.46%	8.23%	58.40%	01/01/2020
CONCORD	<b>101</b>	10.23%	9.20%	8.68%	8.65%	88.60%	01/01/2020
BROCKTON	<b>102</b>	9.87%	8.90%	7.32%	8.65%	60.60%	01/01/2020
MEDFORD	<b>103</b>	12.18%	8.61%	7.40%	8.77%	61.30%	01/01/2020
ADAMS	<b>104</b>	8.00%	8.28%	6.46%	7.77%	67.40%	01/01/2020
NORFOLK COUNTY**	<b>105</b>	0.00%	0.00%	0.00%	0.00%	63.50%	01/01/2020
QUINCY**	<b>106</b>	0.00%	0.00%	0.00%	0.00%	45.00%	01/01/2018
Composite		12.82%	10.38%	8.93%	9.32%	66.06%	

\*\* As of the date of this publication, complete information was unavallable for these Retirement Boards.

## 2020 RETURNS

		Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
SOMERVILLE	1	27.59%	13.77%	11.31%	9.60%	62.70%	01/01/2019
DUKES COUNTY	2	12.77%	11.59%	10.24%	8.29%	78.20%	01/01/2020
HOLYOKE	3	16.42%	11.25%	10.23%	9.63%	69.00%	01/01/2020
WESTFIELD	4	15.26%	10.65%	9.96%	9.03%	70.40%	01/01/2019
NORTH ADAMS	5	18.62%	10.97%	9.95%	9.80%	77.90%	01/01/2019
NORTH ATTLEBORO	6	14.82%	10.99%	9.86%	8.93%	73.20%	01/01/2020
NORTHAMPTON	7	18.39%	10.80%	9.84%	9.63%	69.20%	01/01/2020
GREATER LAWRENCE	8	18.28%	12.35%	9.80%	8.13%	87.60%	01/01/2019
ATTLEBORO	9	16.51%	11.65%	9.78%	9.25%	62.20%	01/01/2020
WEST SPRINGFIELD	10	18.19%	10.55%	9.71%	8.53%	66.40%	01/01/2020
SHREWSBURY	11	12.74%	10.83%	9.59%	9.31%	93.40%	01/01/2020
NATICK	12	14.74%	10.87%	9.54%	8.41%	63.90%	01/01/2019
MALDEN	13	18.02%	10.59%	9.43%	9.82%	72.90%	01/01/2020
METHUEN	14	12.60%	10.55%	9.38%	8.27%	56.20%	01/01/2020
FRANKLIN REGIONAL	15	12.65%	10.14%	9.31%	8.59%	74.40%	01/01/2020
LEOMINSTER	16	12.63%	10.37%	9.31%	8.76%	100.90%	01/01/2020
NORWOOD	17	15.29%	11.75%	9.27%	9.36%	78.40%	01/01/2020
WALTHAM	18	14.05%	10.29%	9.26%	8.85%	56.80%	01/01/2019
CHICOPEE	19	12.91%	10.36%	9.19%	8.81%	79.90%	01/01/2019
PLYMOUTH	20	10.07%	9.96%	9.19%	8.93%	51.90%	01/01/2020
SPRINGFIELD	21	12.70%	10.61%	9.16%	8.62%	28.90%	01/01/2020
GREENFIELD	22	12.88%	10.53%	9.13%	8.71%	57.00%	01/01/2019
SWAMPSCOTT	23	12.68%	10.25%	9.13%	9.20%	59.60%	01/01/2019
BARNSTABLE COUNTY	24	12.71%	10.56%	9.08%	7.83%	60.80%	01/01/2020
MASSPORT	25	16.78%	11.21%	9.08%	9.24%	90.20%	01/01/2020
NEW BEDFORD	26	14.40%	11.32%	9.08%	8.40%	46.90%	01/01/2020
WOBURN	27	12.58%	10.47%	9.08%	9.45%	61.10%	01/01/2020
EVERETT	28	12.68%	10.54%	9.07%	8.67%	62.90%	01/01/2020
BEVERLY	29	12.60%	10.44%	9.06%	8.77%	61.00%	01/01/2020
NORTHBRIDGE	30	12.75%	10.53%	9.06%	9.46%	71.90%	01/01/2020
CAMBRIDGE	31	12.08%	10.08%	9.05%	9.35%	85.80%	01/01/2020
DEDHAM	32	12.71%	10.51%	9.05%	9.62%	83.10%	01/01/2020
STATE	33	12.69%	10.50%	9.05%	9.55%	63.70%	01/01/2019
MA TEACHERS RETIREMENT SYSTEM (MTRS)	34	12.78%	10.48%	9.04%	9.56%	51.70%	01/01/2019
WAKEFIELD	35	12.50%	10.42%	9.03%	9.73%	64.70%	01/01/2020
GLOUCESTER	36	12.69%	10.48%	9.02%	9.03%	49.10%	01/01/2020
SAUGUS	37	12.89%	10.47%	9.02%	9.34%	77.40%	01/01/2019
TAUNTON	38	11.60%	10.08%	9.02%	9.66%	74.50%	01/01/2020
ESSEX REGIONAL	39	12.17%	10.18%	9.01%	8.90%	53.80%	01/01/2020
LYNN	40	12.11%	10.09%	9.01%	8.24%	52.70%	01/01/2019
WELLESLEY	41	12.51%	10.42%	9.01%	9.99%	77.70%	01/01/2019
PEABODY	42	12.56%	10.42%	9.00%	8.81%	49.30%	01/01/2020
ANDOVER	43	12.42%	10.40%	8.99%	8.58%	47.30%	01/01/2020
FAIRHAVEN	44	12.54%	10.38%	8.98%	9.41%	74.50%	01/01/2020
MARBLEHEAD	45	12.43%	10.41%	8.98%	9.34%	62.30%	01/01/2020

CHELSEA	46	12.53%	10.43%	8.97%	8.22%	69.60%	01/01/2019
HULL	47	12.43%	10.42%	8.97%	8.18%	69.60%	01/01/2020
MILTON	48	12.46%	10.38%	8.97%	9.47%	82.60%	01/01/2019
PRIM BOARD	49	12.61%	10.42%	8.97%	9.62%	0.00%	01/01/1900
EASTHAMPTON	50	12.47%	10.38%	8.96%	8.49%	74.90%	01/01/2020
GARDNER	51	12.37%	10.37%	8.95%	9.49%	59.70%	01/01/2020
LAWRENCE	52	12.45%	10.40%	8.95%	8.07%	55.40%	01/01/2020
MONTAGUE	53	12.49%	10.36%	8.95%	9.25%	78.10%	01/01/2020
READING	54	12.44%	10.28%	8.95%	9.36%	75.00%	01/01/2019
FRAMINGHAM	55	12.39%	10.34%	8.94%	9.38%	72.80%	01/01/2020
BERKSHIRE COUNTY	56	12.39%	10.35%	8.92%	9.14%	83.80%	01/01/2019
BLUE HILLS REGIONAL	57	12.26%	10.27%	8.90%	8.84%	73.80%	01/01/2020
CLINTON	58	12.80%	10.44%	8.90%	8.01%	67.70%	01/01/2019
AMESBURY	59	12.39%	10.34%	8.89%	8.25%	57.20%	01/01/2020
BOSTON (TEACHERS)	60	12.23%	10.31%	8.89%	NA	41.10%	01/01/2019
MAYNARD	61	13.87%	9.76%	8.89%	8.12%	72.20%	01/01/2019
NEWTON	62	11.98%	10.23%	8.89%	8.78%	54.90%	01/01/2020
WEYMOUTH	63	15.65%	10.35%	8.89%	9.89%	65.60%	01/01/2020
NEEDHAM	64	12.48%	10.33%	8.88%	9.70%	65.60%	01/01/2020
NEWBURYPORT	65	12.71%	10.24%	8.86%	8.43%	64.90%	01/01/2020
PITTSFIELD	66	12.04%	10.02%	8.86%	8.38%	49.30%	01/01/2019
REVERE	67	12.36%	10.31%	8.86%	8.57%	60.00%	01/01/2019
HAMPDEN COUNTY REGIONAL	68	12.24%	10.14%	8.85%	8.76%	48.70%	01/01/2020
MILFORD	69	12.20%	10.31%	8.85%	8.43%	61.30%	01/01/2019
FITCHBURG	70	12.27%	10.34%	8.83%	7.92%	47.60%	01/01/2020
SOUTHBRIDGE	71	12.46%	10.41%	8.83%	8.28%	62.90%	01/01/2020
WINTHROP	72	12.60%	10.44%	8.83%	8.83%	83.20%	01/01/2019
FALL RIVER	73	12.61%	10.10%	8.82%	8.55%	41.80%	01/01/2019
WORCESTER REGIONAL	74	12.53%	10.28%	8.82%	8.39%	46.40%	01/01/2020
WATERTOWN	75	13.42%	10.09%	8.76%	8.51%	91.70%	01/01/2020
BELMONT	76	11.30%	9.55%	8.75%	9.38%	60.40%	01/01/2020
LOWELL	77	12.13%	10.08%	8.74%	9.18%	58.20%	01/01/2019
FALMOUTH	78	10.36%	9.30%	8.73%	8.99%	67.10%	01/01/2020
SALEM	79	12.41%	10.29%	8.73%	8.34%	59.20%	01/01/2020
ARLINGTON	80	11.94%	9.91%	8.72%	8.54%	54.60%	01/01/2020
MIDDLESEX COUNTY	81	12.26%	9.95%	8.72%	8.56%	48.10%	01/01/2020
MINUTEMAN REGIONAL	82	12.33%	10.13%	8.71%	9.52%	86.00%	01/01/2019
HAVERHILL	83	14.45%	10.50%	8.70%	9.97%	53.00%	01/01/2020
BRISTOL COUNTY	84	12.21%	9.99%	8.68%	8.99%	60.10%	01/01/2020
CONCORD	85	10.23%	9.20%	8.68%	8.65%	88.60%	01/01/2020
MELROSE	86	11.82%	9.87%	8.54%	8.53%	58.30%	01/01/2019
MA WATER RESOURCES AUTHORITY (MWRA)*	87	13.42%	9.55%	8.48%	8.33%	86.60%	01/01/2020
STONEHAM	88	7.85%	9.36%	8.46%	8.82%	78.10%	01/01/2020
WEBSTER	89	9.61%	9.21%	8.46%	8.23%	58.40%	01/01/2020
HINGHAM	90	12.59%	10.62%	8.44%	9.23%	70.40%	01/01/2020
PLYMOUTH COUNTY	91	14.62%	9.83%	8.42%	9.16%	61.00%	01/01/2020
LEXINGTON	92	13.86%	10.90%	8.30%	9.00%	80.40%	01/01/2020
BRAINTREE	93	13.91%	10.35%	8.29%	8.80%	67.70%	01/01/2020
HAMPSHIRE COUNTY	94	12.19%	10.12%	8.29%	8.45%	62.40%	01/01/2020
MA HOUSING FINANCE (MHFA)	95	14.02%	10.73%	8.12%	7.76%	74.40%	01/01/2019

MARLBOROUGH	<b>96</b>	14.98%	9.77%	8.11%	8.51%	75.00%	01/01/2019
WORCESTER	<b>97</b>	11.87%	10.03%	8.03%	8.89%	63.90%	01/01/2020
BOSTON (CITY)	<b>98</b>	12.36%	9.62%	8.00%	8.93%	75.60%	01/01/2020
WINCHESTER	<b>99</b>	12.60%	9.70%	7.98%	9.06%	80.50%	01/01/2019
BROOKLINE	<b>100</b>	12.81%	9.88%	7.93%	8.77%	59.60%	01/01/2020
DANVERS	<b>101</b>	12.16%	9.80%	7.52%	8.15%	60.30%	01/01/2020
MEDFORD	<b>102</b>	12.18%	8.61%	7.40%	8.77%	61.30%	01/01/2020
BROCKTON	<b>103</b>	9.87%	8.90%	7.32%	8.65%	60.60%	01/01/2020
ADAMS	<b>104</b>	8.00%	8.28%	6.46%	7.77%	67.40%	01/01/2020
NORFOLK COUNTY**	<b>105</b>	0.00%	0.00%	0.00%	0.00%	63.50%	01/01/2020
QUINCY**	<b>106</b>	0.00%	0.00%	0.00%	0.00%	45.00%	01/01/2018
Composite		12.82%	10.38%	8.93%	9.32%	66.06%	

\*\* As of the date of this publication, complete information was unavallable for these Retirement Boards.

## 2020 RETURNS

36-year		Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
WELLESLEY	1	12.51%	10.42%	9.01%	9.99%	77.70%	01/01/2019
HAVERHILL	2	14.45%	10.50%	8.70%	9.97%	53.00%	01/01/2020
WEYMOUTH	3	15.65%	10.35%	8.89%	9.89%	65.60%	01/01/2020
MALDEN	4	18.02%	10.59%	9.43%	9.82%	72.90%	01/01/2020
NORTH ADAMS	5	18.62%	10.97%	9.95%	9.80%	77.90%	01/01/2019
WAKEFIELD	6	12.50%	10.42%	9.03%	9.73%	64.70%	01/01/2020
NEEDHAM	7	12.48%	10.33%	8.88%	9.70%	65.60%	01/01/2020
TAUNTON	8	11.60%	10.08%	9.02%	9.66%	74.50%	01/01/2020
HOLYOKE	9	16.42%	11.25%	10.23%	9.63%	69.00%	01/01/2020
NORTHAMPTON	10	18.39%	10.80%	9.84%	9.63%	69.20%	01/01/2020
DEDHAM	11	12.71%	10.51%	9.05%	9.62%	83.10%	01/01/2020
PRIM BOARD	12	12.61%	10.42%	8.97%	9.62%	0.00%	01/01/1900
SOMERVILLE	13	27.59%	13.77%	11.31%	9.60%	62.70%	01/01/2019
MA TEACHERS RETIREMENT SYSTEM (MTRS)	14	12.78%	10.48%	9.04%	9.56%	51.70%	01/01/2019
STATE	15	12.69%	10.50%	9.05%	9.55%	63.70%	01/01/2019
MINUTEMAN REGIONAL	16	12.33%	10.13%	8.71%	9.52%	86.00%	01/01/2019
GARDNER	17	12.37%	10.37%	8.95%	9.49%	59.70%	01/01/2020
MILTON	18	12.46%	10.38%	8.97%	9.47%	82.60%	01/01/2019
NORTHBRIDGE	19	12.75%	10.53%	9.06%	9.46%	71.90%	01/01/2020
WOBURN	20	12.58%	10.47%	9.08%	9.45%	61.10%	01/01/2020
FAIRHAVEN	21	12.54%	10.38%	8.98%	9.41%	74.50%	01/01/2020
BELMONT	22	11.30%	9.55%	8.75%	9.38%	60.40%	01/01/2020
FRAMINGHAM	23	12.39%	10.34%	8.94%	9.38%	72.80%	01/01/2020
NORWOOD	24	15.29%	11.75%	9.27%	9.36%	78.40%	01/01/2020
READING	25	12.44%	10.28%	8.95%	9.36%	75.00%	01/01/2019
CAMBRIDGE	26	12.08%	10.08%	9.05%	9.35%	85.80%	01/01/2020
MARBLEHEAD	27	12.43%	10.41%	8.98%	9.34%	62.30%	01/01/2020
SAUGUS	28	12.89%	10.47%	9.02%	9.34%	77.40%	01/01/2019
SHREWSBURY	29	12.74%	10.83%	9.59%	9.31%	93.40%	01/01/2020
ATTLEBORO	30	16.51%	11.65%	9.78%	9.25%	62.20%	01/01/2020
MONTAGUE	31	12.49%	10.36%	8.95%	9.25%	78.10%	01/01/2020
MASSPORT	32	16.78%	11.21%	9.08%	9.24%	90.20%	01/01/2020
HINGHAM	33	12.59%	10.62%	8.44%	9.23%	70.40%	01/01/2020
SWAMPSCOTT	34	12.68%	10.25%	9.13%	9.20%	59.60%	01/01/2019
LOWELL	35	12.13%	10.08%	8.74%	9.18%	58.20%	01/01/2019
PLYMOUTH COUNTY	36	14.62%	9.83%	8.42%	9.16%	61.00%	01/01/2020
BERKSHIRE COUNTY	37	12.39%	10.35%	8.92%	9.14%	83.80%	01/01/2019
WINCHESTER	38	12.60%	9.70%	7.98%	9.06%	80.50%	01/01/2019
GLOUCESTER	39	12.69%	10.48%	9.02%	9.03%	49.10%	01/01/2020
WESTFIELD	40	15.26%	10.65%	9.96%	9.03%	70.40%	01/01/2019
LEXINGTON	41	13.86%	10.90%	8.30%	9.00%	80.40%	01/01/2020
BRISTOL COUNTY	42	12.21%	9.99%	8.68%	8.99%	60.10%	01/01/2020
FALMOUTH	43	10.36%	9.30%	8.73%	8.99%	67.10%	01/01/2020
BOSTON (CITY)	44	12.36%	9.62%	8.00%	8.93%	75.60%	01/01/2020
NORTH ATTLEBORO	45	14.82%	10.99%	9.86%	8.93%	73.20%	01/01/2020

PLYMOUTH	46	10.07%	9.96%	9.19%	8.93%	51.90%	01/01/2020
ESSEX REGIONAL	47	12.17%	10.18%	9.01%	8.90%	53.80%	01/01/2020
WORCESTER	48	11.87%	10.03%	8.03%	8.89%	63.90%	01/01/2020
WALTHAM	49	14.05%	10.29%	9.26%	8.85%	56.80%	01/01/2019
BLUE HILLS REGIONAL	50	12.26%	10.27%	8.90%	8.84%	73.80%	01/01/2020
WINTHROP	51	12.60%	10.44%	8.83%	8.83%	83.20%	01/01/2019
STONEHAM	52	7.85%	9.36%	8.46%	8.82%	78.10%	01/01/2020
CHICOPEE	53	12.91%	10.36%	9.19%	8.81%	79.90%	01/01/2019
PEABODY	54	12.56%	10.42%	9.00%	8.81%	49.30%	01/01/2020
BRAINTREE	55	13.91%	10.35%	8.29%	8.80%	67.70%	01/01/2020
NEWTON	56	11.98%	10.23%	8.89%	8.78%	54.90%	01/01/2020
BEVERLY	57	12.60%	10.44%	9.06%	8.77%	61.00%	01/01/2020
BROOKLINE	58	12.81%	9.88%	7.93%	8.77%	59.60%	01/01/2020
MEDFORD	59	12.18%	8.61%	7.40%	8.77%	61.30%	01/01/2020
HAMPDEN COUNTY REGIONAL	60	12.24%	10.14%	8.85%	8.76%	48.70%	01/01/2020
LEOMINSTER	61	12.63%	10.37%	9.31%	8.76%	100.90%	01/01/2020
GREENFIELD	62	12.88%	10.53%	9.13%	8.71%	57.00%	01/01/2019
EVERETT	63	12.68%	10.54%	9.07%	8.67%	62.90%	01/01/2020
BROCKTON	64	9.87%	8.90%	7.32%	8.65%	60.60%	01/01/2020
CONCORD	65	10.23%	9.20%	8.68%	8.65%	88.60%	01/01/2020
SPRINGFIELD	66	12.70%	10.61%	9.16%	8.62%	28.90%	01/01/2020
FRANKLIN REGIONAL	67	12.65%	10.14%	9.31%	8.59%	74.40%	01/01/2020
ANDOVER	68	12.42%	10.40%	8.99%	8.58%	47.30%	01/01/2020
REVERE	69	12.36%	10.31%	8.86%	8.57%	60.00%	01/01/2019
MIDDLESEX COUNTY	70	12.26%	9.95%	8.72%	8.56%	48.10%	01/01/2020
FALL RIVER	71	12.61%	10.10%	8.82%	8.55%	41.80%	01/01/2019
ARLINGTON	72	11.94%	9.91%	8.72%	8.54%	54.60%	01/01/2020
MELROSE	73	11.82%	9.87%	8.54%	8.53%	58.30%	01/01/2019
WEST SPRINGFIELD	74	18.19%	10.55%	9.71%	8.53%	66.40%	01/01/2020
MARLBOROUGH	75	14.98%	9.77%	8.11%	8.51%	75.00%	01/01/2019
WATERTOWN	76	13.42%	10.09%	8.76%	8.51%	91.70%	01/01/2020
EASTHAMPTON	77	12.47%	10.38%	8.96%	8.49%	74.90%	01/01/2020
HAMPSHIRE COUNTY	78	12.19%	10.12%	8.29%	8.45%	62.40%	01/01/2020
MILFORD	79	12.20%	10.31%	8.85%	8.43%	61.30%	01/01/2019
NEWBURYPORT	80	12.71%	10.24%	8.86%	8.43%	64.90%	01/01/2020
NATICK	81	14.74%	10.87%	9.54%	8.41%	63.90%	01/01/2019
NEW BEDFORD	82	14.40%	11.32%	9.08%	8.40%	46.90%	01/01/2020
WORCESTER REGIONAL	83	12.53%	10.28%	8.82%	8.39%	46.40%	01/01/2020
PITTSFIELD	84	12.04%	10.02%	8.86%	8.38%	49.30%	01/01/2019
SALEM	85	12.41%	10.29%	8.73%	8.34%	59.20%	01/01/2020
MA WATER RESOURCES AUTHORITY (MWRA)*	86	13.42%	9.55%	8.48%	8.33%	86.60%	01/01/2020
DUKES COUNTY	87	12.77%	11.59%	10.24%	8.29%	78.20%	01/01/2020
SOUTHBRIDGE	88	12.46%	10.41%	8.83%	8.28%	62.90%	01/01/2020
METHUEN	89	12.60%	10.55%	9.38%	8.27%	56.20%	01/01/2020
AMESBURY	90	12.39%	10.34%	8.89%	8.25%	57.20%	01/01/2020
LYNN	91	12.11%	10.09%	9.01%	8.24%	52.70%	01/01/2019
WEBSTER	92	9.61%	9.21%	8.46%	8.23%	58.40%	01/01/2020
CHELSEA	93	12.53%	10.43%	8.97%	8.22%	69.60%	01/01/2019
HULL	94	12.43%	10.42%	8.97%	8.18%	69.60%	01/01/2020
DANVERS	95	12.16%	9.80%	7.52%	8.15%	60.30%	01/01/2020

GREATER LAWRENCE	<b>96</b>	18.28%	12.35%	9.80%	8.13%	87.60%	01/01/2019
MAYNARD	<b>97</b>	13.87%	9.76%	8.89%	8.12%	72.20%	01/01/2019
LAWRENCE	<b>98</b>	12.45%	10.40%	8.95%	8.07%	55.40%	01/01/2020
CLINTON	<b>99</b>	12.80%	10.44%	8.90%	8.01%	67.70%	01/01/2019
FITCHBURG	<b>100</b>	12.27%	10.34%	8.83%	7.92%	47.60%	01/01/2020
BARNSTABLE COUNTY	<b>101</b>	12.71%	10.56%	9.08%	7.83%	60.80%	01/01/2020
ADAMS	<b>102</b>	8.00%	8.28%	6.46%	7.77%	67.40%	01/01/2020
MA HOUSING FINANCE (MHFA)	<b>103</b>	14.02%	10.73%	8.12%	7.76%	74.40%	01/01/2019
BOSTON (TEACHERS)	<b>104</b>	12.23%	10.31%	8.89%	0.00%	41.10%	01/01/2019
NORFOLK COUNTY**	<b>105</b>	0.00%	0.00%	0.00%	0.00%	63.50%	01/01/2020
QUINCY**	<b>106</b>	0.00%	0.00%	0.00%	0.00%	45.00%	01/01/2018
Composite		12.82%	10.38%	8.93%	9.32%	66.06%	

\*\* As of the date of this publication, complete information was unavallable for these Retirement Boards.

## 2020 RETURNS

funded		Return (2020)	5-Year Return	10-Year Return	36-Year Return	Funded Ratio	Date of Most Recent Valuation
LEOMINSTER	1	12.63%	10.37%	9.31%	8.76%	100.90%	01/01/2020
SHREWSBURY	2	12.74%	10.83%	9.59%	9.31%	93.40%	01/01/2020
WATERTOWN	3	13.42%	10.09%	8.76%	8.51%	91.70%	01/01/2020
MASSPORT	4	16.78%	11.21%	9.08%	9.24%	90.20%	01/01/2020
CONCORD	5	10.23%	9.20%	8.68%	8.65%	88.60%	01/01/2020
MA WATER RESOURCES AUTHORITY (MWRA)*	6	13.42%	9.55%	8.48%	8.33%	86.60%	01/01/2020
CAMBRIDGE	7	12.08%	10.08%	9.05%	9.35%	85.80%	01/01/2020
DEDHAM	8	12.71%	10.51%	9.05%	9.62%	83.10%	01/01/2020
LEXINGTON	9	13.86%	10.90%	8.30%	9.00%	80.40%	01/01/2020
NORWOOD	10	15.29%	11.75%	9.27%	9.36%	78.40%	01/01/2020
DUKES COUNTY	11	12.77%	11.59%	10.24%	8.29%	78.20%	01/01/2020
MONTAGUE	12	12.49%	10.36%	8.95%	9.25%	78.10%	01/01/2020
STONEHAM	13	7.85%	9.36%	8.46%	8.82%	78.10%	01/01/2020
BOSTON (CITY)	14	12.36%	9.62%	8.00%	8.93%	75.60%	01/01/2020
EASTHAMPTON	15	12.47%	10.38%	8.96%	8.49%	74.90%	01/01/2020
FAIRHAVEN	16	12.54%	10.38%	8.98%	9.41%	74.50%	01/01/2020
TAUNTON	17	11.60%	10.08%	9.02%	9.66%	74.50%	01/01/2020
FRANKLIN REGIONAL	18	12.65%	10.14%	9.31%	8.59%	74.40%	01/01/2020
BLUE HILLS REGIONAL	19	12.26%	10.27%	8.90%	8.84%	73.80%	01/01/2020
NORTH ATTLEBORO	20	14.82%	10.99%	9.86%	8.93%	73.20%	01/01/2020
MALDEN	21	18.02%	10.59%	9.43%	9.82%	72.90%	01/01/2020
FRAMINGHAM	22	12.39%	10.34%	8.94%	9.38%	72.80%	01/01/2020
NORTHBRIDGE	23	12.75%	10.53%	9.06%	9.46%	71.90%	01/01/2020
HINGHAM	24	12.59%	10.62%	8.44%	9.23%	70.40%	01/01/2020
HULL	25	12.43%	10.42%	8.97%	8.18%	69.60%	01/01/2020
NORTHAMPTON	26	18.39%	10.80%	9.84%	9.63%	69.20%	01/01/2020
HOLYOKE	27	16.42%	11.25%	10.23%	9.63%	69.00%	01/01/2020
BRAINTREE	28	13.91%	10.35%	8.29%	8.80%	67.70%	01/01/2020
ADAMS	29	8.00%	8.28%	6.46%	7.77%	67.40%	01/01/2020
FALMOUTH	30	10.36%	9.30%	8.73%	8.99%	67.10%	01/01/2020
WEST SPRINGFIELD	31	18.19%	10.55%	9.71%	8.53%	66.40%	01/01/2020
NEEDHAM	32	12.48%	10.33%	8.88%	9.70%	65.60%	01/01/2020
WEYMOUTH	33	15.65%	10.35%	8.89%	9.89%	65.60%	01/01/2020
NEWBURYPORT	34	12.71%	10.24%	8.86%	8.43%	64.90%	01/01/2020
WAKEFIELD	35	12.50%	10.42%	9.03%	9.73%	64.70%	01/01/2020
WORCESTER	36	11.87%	10.03%	8.03%	8.89%	63.90%	01/01/2020
NORFOLK COUNTY**	37	0.00%	0.00%	0.00%	0.00%	63.50%	01/01/2020
EVERETT	38	12.68%	10.54%	9.07%	8.67%	62.90%	01/01/2020
SOUTHBRIDGE	39	12.46%	10.41%	8.83%	8.28%	62.90%	01/01/2020
HAMPSHIRE COUNTY	40	12.19%	10.12%	8.29%	8.45%	62.40%	01/01/2020
MARBLEHEAD	41	12.43%	10.41%	8.98%	9.34%	62.30%	01/01/2020
ATTLEBORO	42	16.51%	11.65%	9.78%	9.25%	62.20%	01/01/2020
MEDFORD	43	12.18%	8.61%	7.40%	8.77%	61.30%	01/01/2020
WOBURN	44	12.58%	10.47%	9.08%	9.45%	61.10%	01/01/2020
BEVERLY	45	12.60%	10.44%	9.06%	8.77%	61.00%	01/01/2020



PLYMOUTH COUNTY	46	14.62%	9.83%	8.42%	9.16%	61.00%	01/01/2020
BARNSTABLE COUNTY	47	12.71%	10.56%	9.08%	7.83%	60.80%	01/01/2020
BROCKTON	48	9.87%	8.90%	7.32%	8.65%	60.60%	01/01/2020
BELMONT	49	11.30%	9.55%	8.75%	9.38%	60.40%	01/01/2020
DANVERS	50	12.16%	9.80%	7.52%	8.15%	60.30%	01/01/2020
BRISTOL COUNTY	51	12.21%	9.99%	8.68%	8.99%	60.10%	01/01/2020
GARDNER	52	12.37%	10.37%	8.95%	9.49%	59.70%	01/01/2020
BROOKLINE	53	12.81%	9.88%	7.93%	8.77%	59.60%	01/01/2020
SALEM	54	12.41%	10.29%	8.73%	8.34%	59.20%	01/01/2020
WEBSTER	55	9.61%	9.21%	8.46%	8.23%	58.40%	01/01/2020
AMESBURY	56	12.39%	10.34%	8.89%	8.25%	57.20%	01/01/2020
METHUEN	57	12.60%	10.55%	9.38%	8.27%	56.20%	01/01/2020
LAWRENCE	58	12.45%	10.40%	8.95%	8.07%	55.40%	01/01/2020
NEWTON	59	11.98%	10.23%	8.89%	8.78%	54.90%	01/01/2020
ARLINGTON	60	11.94%	9.91%	8.72%	8.54%	54.60%	01/01/2020
ESSEX REGIONAL	61	12.17%	10.18%	9.01%	8.90%	53.80%	01/01/2020
HAVERHILL	62	14.45%	10.50%	8.70%	9.97%	53.00%	01/01/2020
PLYMOUTH	63	10.07%	9.96%	9.19%	8.93%	51.90%	01/01/2020
PEABODY	64	12.56%	10.42%	9.00%	8.81%	49.30%	01/01/2020
GLOUCESTER	65	12.69%	10.48%	9.02%	9.03%	49.10%	01/01/2020
HAMPDEN COUNTY REGIONAL	66	12.24%	10.14%	8.85%	8.76%	48.70%	01/01/2020
MIDDLESEX COUNTY	67	12.26%	9.95%	8.72%	8.56%	48.10%	01/01/2020
FITCHBURG	68	12.27%	10.34%	8.83%	7.92%	47.60%	01/01/2020
ANDOVER	69	12.42%	10.40%	8.99%	8.58%	47.30%	01/01/2020
NEW BEDFORD	70	14.40%	11.32%	9.08%	8.40%	46.90%	01/01/2020
WORCESTER REGIONAL	71	12.53%	10.28%	8.82%	8.39%	46.40%	01/01/2020
SPRINGFIELD	72	12.70%	10.61%	9.16%	8.62%	28.90%	01/01/2020
GREATER LAWRENCE	1	18.28%	12.35%	9.80%	8.13%	87.60%	01/01/2019
MINUTEMAN REGIONAL	2	12.33%	10.13%	8.71%	9.52%	86.00%	01/01/2019
BERKSHIRE COUNTY	3	12.39%	10.35%	8.92%	9.14%	83.80%	01/01/2019
WINTHROP	4	12.60%	10.44%	8.83%	8.83%	83.20%	01/01/2019
MILTON	5	12.46%	10.38%	8.97%	9.47%	82.60%	01/01/2019
WINCHESTER	6	12.60%	9.70%	7.98%	9.06%	80.50%	01/01/2019
CHICOPEE	7	12.91%	10.36%	9.19%	8.81%	79.90%	01/01/2019
NORTH ADAMS	8	18.62%	10.97%	9.95%	9.80%	77.90%	01/01/2019
WELLESLEY	9	12.51%	10.42%	9.01%	9.99%	77.70%	01/01/2019
SAUGUS	10	12.89%	10.47%	9.02%	9.34%	77.40%	01/01/2019
MARLBOROUGH	11	14.98%	9.77%	8.11%	8.51%	75.00%	01/01/2019
READING	12	12.44%	10.28%	8.95%	9.36%	75.00%	01/01/2019
MA HOUSING FINANCE (MHFA)	13	14.02%	10.73%	8.12%	7.76%	74.40%	01/01/2019
MAYNARD	14	13.87%	9.76%	8.89%	8.12%	72.20%	01/01/2019
WESTFIELD	15	15.26%	10.65%	9.96%	9.03%	70.40%	01/01/2019
CHELSEA	16	12.53%	10.43%	8.97%	8.22%	69.60%	01/01/2019
CLINTON	17	12.80%	10.44%	8.90%	8.01%	67.70%	01/01/2019
NATICK	18	14.74%	10.87%	9.54%	8.41%	63.90%	01/01/2019
STATE	19	12.69%	10.50%	9.05%	9.55%	63.70%	01/01/2019
SOMERVILLE	20	27.59%	13.77%	11.31%	9.60%	62.70%	01/01/2019
MILFORD	21	12.20%	10.31%	8.85%	8.43%	61.30%	01/01/2019
REVERE	22	12.36%	10.31%	8.86%	8.57%	60.00%	01/01/2019
SWAMPSCOTT	23	12.68%	10.25%	9.13%	9.20%	59.60%	01/01/2019

MELROSE	24	11.82%	9.87%	8.54%	8.53%	58.30%	01/01/2019
LOWELL	25	12.13%	10.08%	8.74%	9.18%	58.20%	01/01/2019
GREENFIELD	26	12.88%	10.53%	9.13%	8.71%	57.00%	01/01/2019
WALTHAM	27	14.05%	10.29%	9.26%	8.85%	56.80%	01/01/2019
LYNN	28	12.11%	10.09%	9.01%	8.24%	52.70%	01/01/2019
MA TEACHERS RETIREMENT SYSTEM (MTRS)	29	12.78%	10.48%	9.04%	9.56%	51.70%	01/01/2019
PITTSFIELD	30	12.04%	10.02%	8.86%	8.38%	49.30%	01/01/2019
FALL RIVER	31	12.61%	10.10%	8.82%	8.55%	41.80%	01/01/2019
BOSTON (TEACHERS)	32	12.23%	10.31%	8.89%	NA	41.10%	01/01/2019
QUINCY**	1	0.00%	0.00%	0.00%	0.00%	45.00%	01/01/2018
PRIM BOARD		12.61%	10.42%	8.97%	9.62%	0.00%	01/01/1900
Composite		12.82%	10.38%	8.93%	9.32%	66.06%	

\*\* As of the date of this publication, complete information was unavallable for these Retirement Boards.