

2020 Q4 INVESTMENT SUMMARY: BOARD REPORT - CONDENSED MODOT & PATROL EMPLOYEES' RETIREMENT SYSTEM

February 2021

Kevin Leonard, Partner

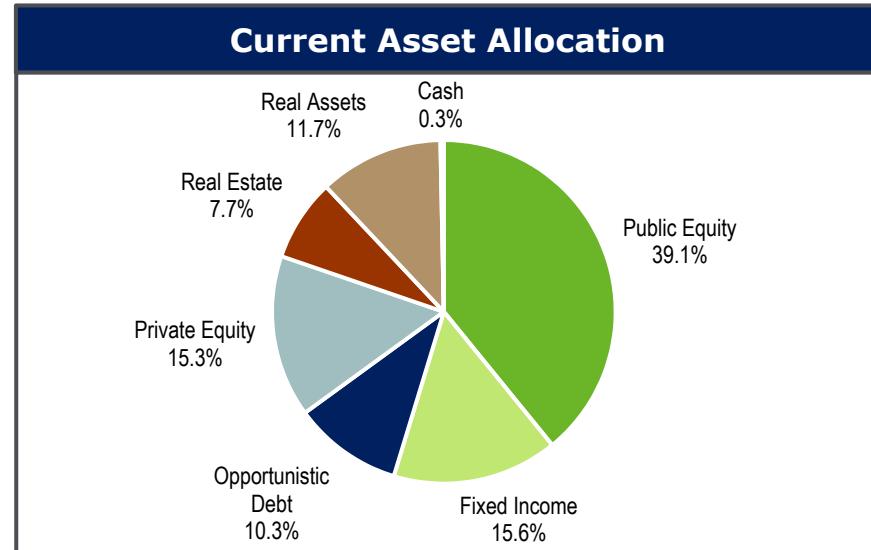
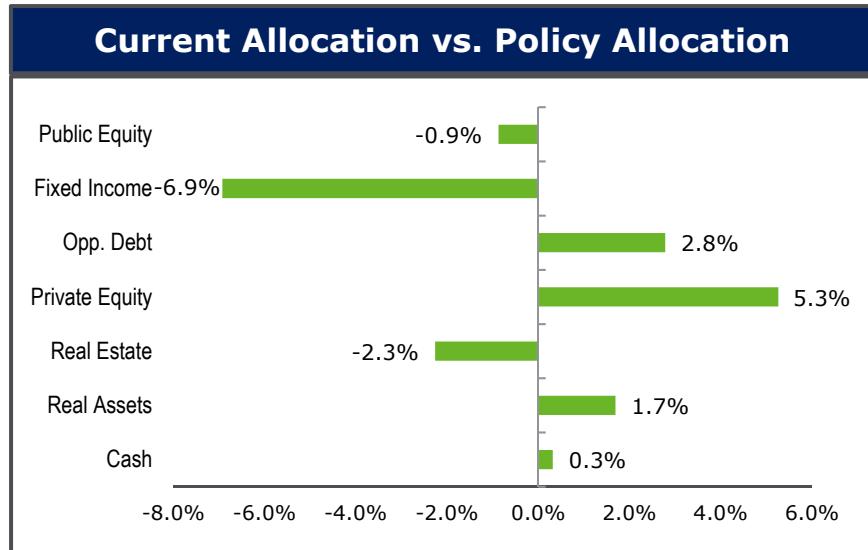
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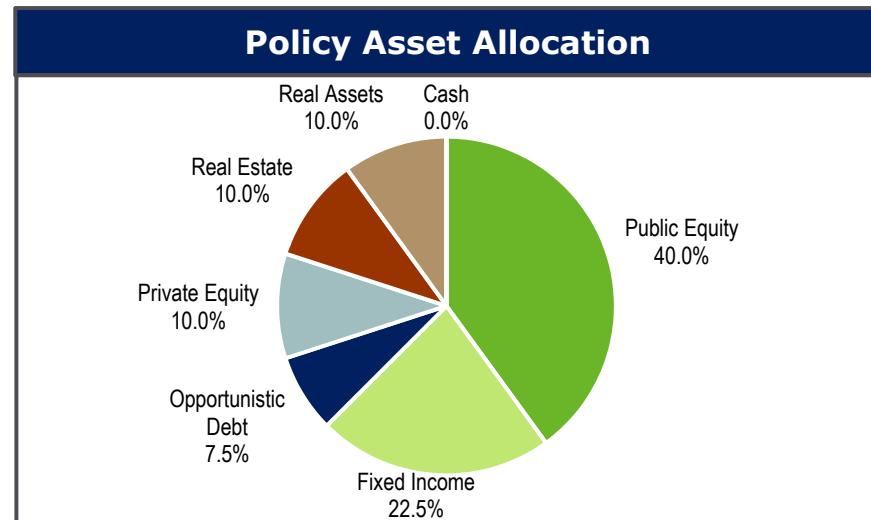
ASSET ALLOCATION – CURRENT vs. POLICY



Current Allocation vs. Policy Allocation

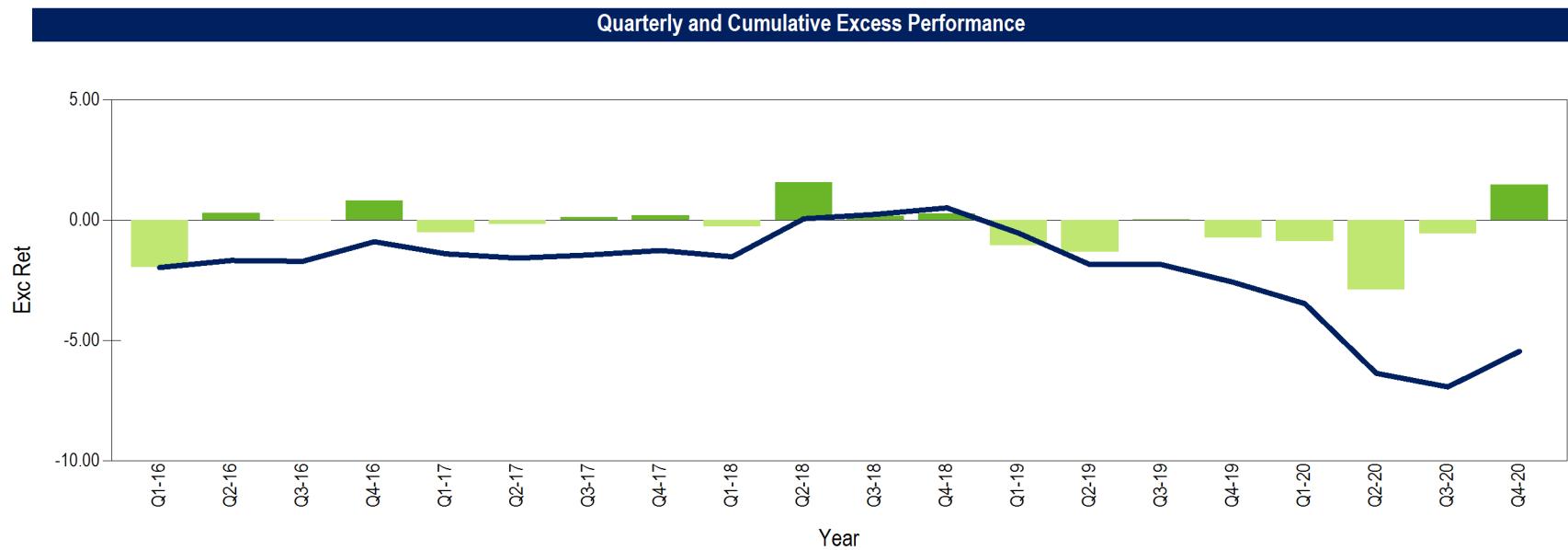
	Current	Policy	Current	Difference*
Public Equity	\$1,047,057,527	40.0%	39.1%	-0.9%
Fixed Income	\$416,807,501	22.5%	15.6%	-6.9%
Opportunistic Debt	\$275,164,384	7.5%	10.3%	2.8%
Private Equity	\$408,474,863	10.0%	15.3%	5.3%
Real Estate	\$207,091,661	10.0%	7.7%	-2.3%
Real Assets	\$312,904,214	10.0%	11.7%	1.7%
Cash	\$8,516,466	--	0.3%	-0.3%
Total	\$2,676,016,616	100.0%	100.0%	

*Difference between Policy and Current Allocation

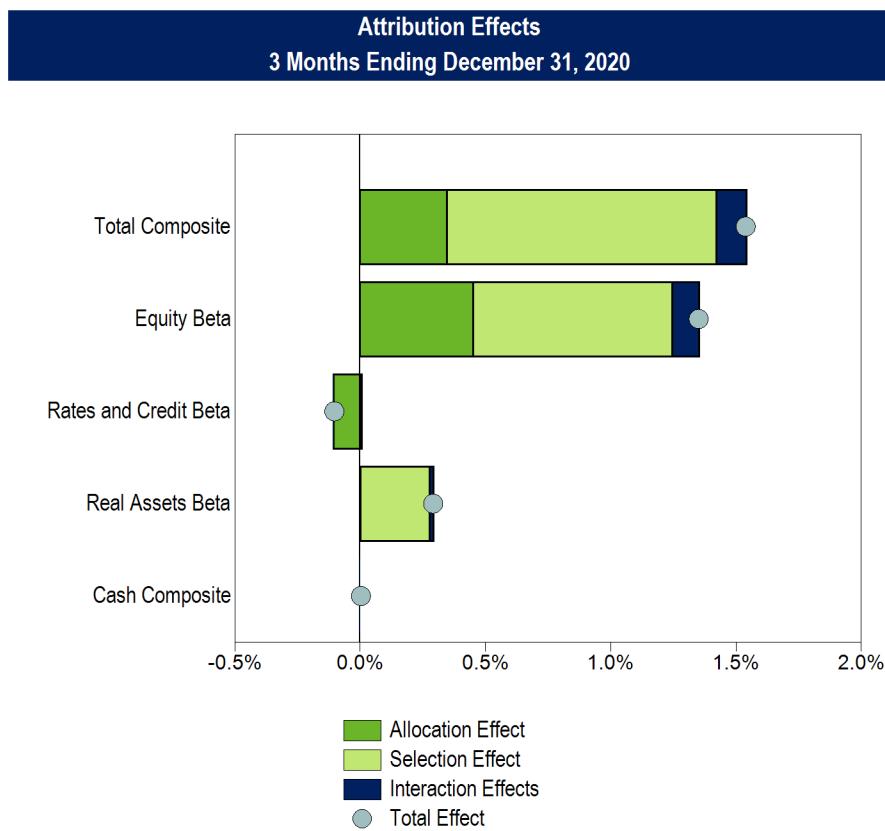


TOTAL FUND PERFORMANCE SUMMARY

	Market Value	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs
Total Composite	\$2,676,016,616	9.23%	9.26%	8.01%	8.76%	8.94%
Policy Index		7.75%	12.46%	9.50%	9.93%	8.61%
InvMetrics Public DB Net Median		10.16%	12.81%	8.86%	9.76%	8.15%



TOTAL FUND ATTRIBUTION ANALYSIS



	Attribution Summary						Total Effects
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	
Equity Beta	15.5%	13.8%	1.7%	0.8%	0.2%	0.1%	1.1%
Rates and Credit Beta	2.2%	2.2%	0.0%	0.0%	0.2%	0.0%	0.2%
Real Asset Beta	2.4%	1.1%	1.3%	0.3%	-0.1%	0.0%	0.2%
Cash Composite	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	9.2%	7.8%	1.5%	1.1%	0.3%	0.1%	1.5%

Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated return shown on the performance summary.

The target return shown for each composite is a custom index, based on aggregated policy indices. This policy index asset weights the underlying policy indices of each option in the plan and the respective benchmark return.

The allocation, selection, and interaction effects are calculated using the custom index described above along with the policy or target weight of each composite.

May not add due to rounding

Allocation Effect - The return attributable to the asset allocation of the portfolio

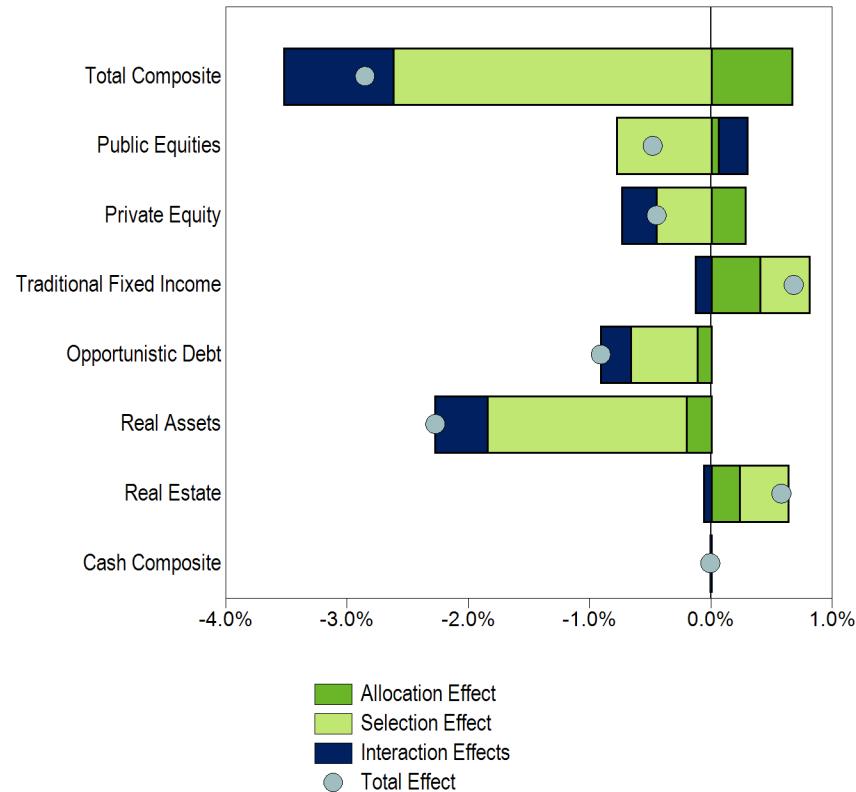
Selection Effect - The return attributable to the managers' security selection

Interaction Effect - The return attributable to the interaction between the Allocation and Selection Effects



TOTAL FUND ATTRIBUTION ANALYSIS

Attribution Effects Relative to Policy Index
1 Year Ending December 31, 2020



Attribution Summary
1 Year Ending December 31, 2020

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects
Public Equities	13.3%	16.3%	-3.0%	-0.8%	-0.1%	0.2%	-0.6%
Private Equity	15.9%	18.6%	-2.7%	-0.5%	0.2%	-0.2%	-0.4%
Traditional Fixed Income	10.6%	8.9%	1.7%	0.4%	0.4%	-0.1%	0.6%
Opportunistic Debt	0.7%	7.1%	-6.4%	-0.5%	-0.1%	-0.3%	-1.0%
Real Assets	-9.7%	5.4%	-15.1%	-1.6%	-0.2%	-0.4%	-2.3%
Real Estate	4.4%	0.8%	3.7%	0.4%	0.2%	-0.1%	0.5%
Cash Composite	0.5%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	9.3%	12.5%	-3.2%	-2.6%	0.4%	-0.9%	-3.2%

Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated return shown on the performance summary.

The target return shown for each composite is a custom index, based on aggregated policy indices. This policy index asset weights the underlying policy indices of each option in the plan and the respective benchmark return.

The allocation, selection, and interaction effects are calculated using the custom index described above along with the policy or target weight of each composite.

May not add due to rounding

Allocation Effect - The return attributable to the asset allocation of the portfolio

Selection Effect - The return attributable to the managers' security selection

Interaction Effect - The return attributable to the interaction between the Allocation and Selection Effects



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TOTAL COMPOSITE

	Policy %	% of Portfolio	Market Value (\$)	3 Mo (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank
Total Composite	100.00	100.00	2,676,016,616	9.23	76	9.26	90	8.01	68	8.76	82	8.94	22
Policy Index				7.75	92	12.46	55	9.50	33	9.93	42	8.61	31
Equity Beta	50.00	54.39	1,455,532,390	15.52		14.87							
Public Equities *	40.00	39.13	1,047,057,527	17.62	33	13.29	62	7.26	67	10.17	60	8.78	64
MSCI ACWI				14.68	56	16.25	55	10.06	49	12.26	45	9.13	59
Private Equity	10.00	15.26	408,474,863	10.33		15.89		15.75		13.43		14.03	
MO Hwy Priv. Equ. Index - Lagged				9.72		18.57		15.62		17.54		17.12	
Rates and Credit Beta	30.00	25.86	691,971,885	2.22		6.84							
Traditional Fixed Income	22.50	15.58	416,807,501	0.35	99	10.63	28	6.99	10	6.56	34	6.94	4
Fixed Income Custom Benchmark				0.82	97	8.92	42	5.97	29	5.16	63	4.31	50
Opportunistic Debt	7.50	10.28	275,164,384	5.03	76	0.73	99	6.49	14				
BBgBarc US High Yield TR				6.45	32	7.11	30	6.24	18	8.59	15	6.80	17
Real Assets Beta	20.00	19.43	519,995,875	2.43		-4.02							
Real Assets	10.00	11.69	312,904,214	1.93		-9.70		0.67		2.11			
CPI + 4% (Unadjusted)				1.06		5.85		6.07		6.11		5.85	
Real Estate	10.00	7.74	207,091,661	3.20		4.43		7.49		8.30		11.02	
MODOT Real Estate Blend				1.16		0.75		4.38		5.67		9.06	
Cash Composite	--	0.32	8,516,466	0.02		0.49		1.46		1.07		0.51	
91 Day T-Bills				0.02		0.45		1.48		1.13		0.59	

* May include the use of derivatives

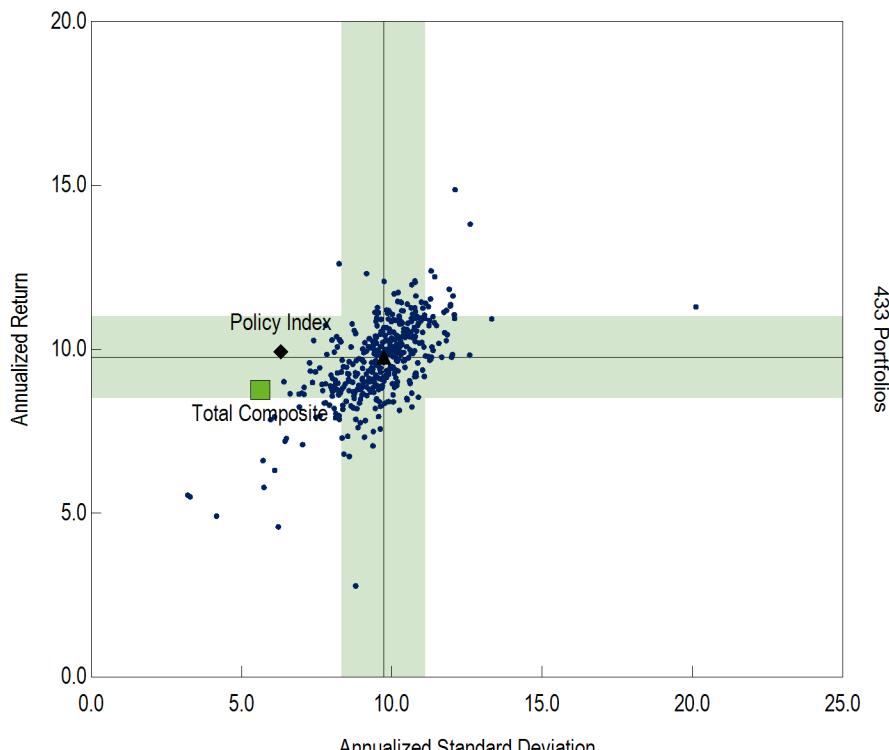
Total Composite is ranked in the IFx Public DB (peer) Net+ Universe

Public Equities Composite is ranked in the eV Global All Cap Equity Net Universe Fixed Income Composite is ranked in the eV All Global Fixed Inc Net Universe Opportunistic Debt Composite is ranked in the eV US High Yield Fixed Inc Net Universe



TOTAL FUND RISK/RETURN - 5 YEARS

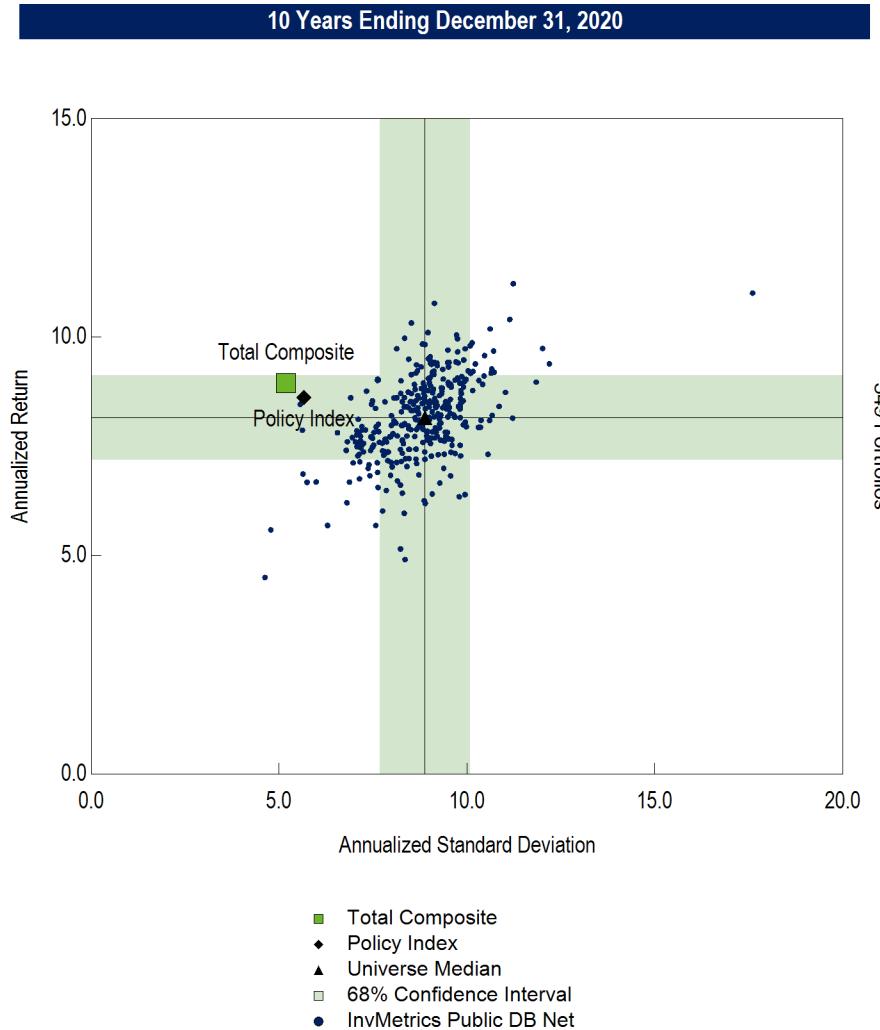
5 Years Ending December 31, 2020



Statistics Summary				
5 Years Ending December 31, 2020				
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
Total Composite	8.76%	82	5.61%	1
Policy Index	9.93%	42	6.30%	2

Statistics Summary		
5 Years Ending December 31, 2020		
	Sharpe Ratio	Rank
Total Composite	1.36	1
Policy Index	1.40	1

TOTAL FUND RISK/RETURN - 10 YEARS

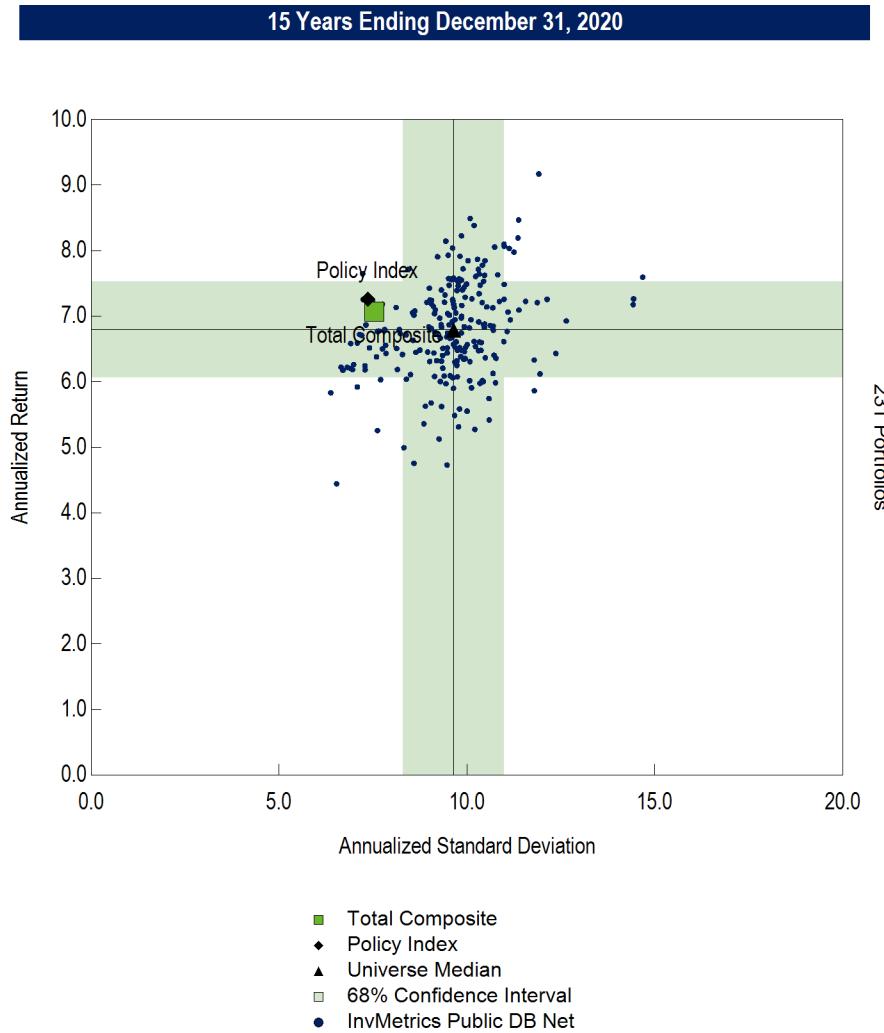


Statistics Summary				
10 Years Ending December 31, 2020				
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
Total Composite	8.94%	22	5.18%	1
Policy Index	8.61%	31	5.66%	2

Statistics Summary		
10 Years Ending December 31, 2020		
	Sharpe Ratio	Rank
Total Composite	1.61	1
Policy Index	1.42	1



TOTAL FUND RISK/RETURN - 15 YEARS



Statistics Summary
15 Years Ending December 31, 2020

	Anlzd Ret	Rank	Anlzd Std Dev	Rank
Total Composite	7.07%	36	7.53%	10
Policy Index	7.26%	24	7.36%	8

Statistics Summary
15 Years Ending December 31, 2020

	Sharpe Ratio	Rank
Total Composite	0.79	3
Policy Index	0.83	1

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- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodian bank. Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may be preliminary and subject to change.
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Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC generally reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of return are annualized when the time period is longer than a year. Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.

