

# ASSET ALLOCATION & PERFORMANCE<sup>(1)</sup>

AS OF DECEMBER 31, 2018

	Annual Fee	Mkt Val (mil)	% of Total	Policy Target	3 Mths Rtn	YTD Rtn	1 Yr Rtn	3 Yr Rtn	5 Yr Rtn	10 Yr Rtn
<b>TOTAL FUND</b>	0.55%	\$ 784.1	100.0%	100.0%	-9.9%	-6.1%	-6.1%	6.3%	4.6%	10.1%
<i>Policy Target<sup>(2)</sup></i>					-8.9%	-5.4%	-5.4%	6.2%	4.2%	9.2%
<b>TOTAL BROAD US EQUITY</b>	0.55%	\$ 299.6	38.2%	35.0%	-15.9%	-5.7%	-5.7%	9.0%	7.3%	13.3%
<i>U.S. Equity Blended Benchmark<sup>(3)</sup></i>					-14.3%	-4.6%	-4.6%	9.3%	7.5%	13.5%
<b>TOTAL GLOBAL Ex-US EQUITY</b>	0.75%	\$ 207.2	26.4%	25.0%	-13.1%	-14.8%	-14.8%	4.5%	2.0%	8.5%
<i>MSCI ACWI ex US Index IMI</i>					-11.9%	-14.8%	-14.8%	4.4%	0.8%	7.0%
<b>TOTAL FIXED INCOME</b>	0.30%	\$ 195.3	24.9%	20.0%	0.8%	-0.1%	-0.1%	3.5%	3.4%	7.4%
<i>Bloomberg Barclays U.S. Aggregate</i>					1.6%	0.0%	0.0%	2.1%	2.5%	3.5%
<b>TOTAL COMMODITIES</b>	0.57%	\$ 16.6	2.1%	2.0%	-11.2%	-9.7%	-9.7%	2.0%	-10.2%	-2.3%
<i>Commodities Blend<sup>(4)</sup></i>					-9.4%	-6.0%	-6.0%	2.9%	-10.3%	-4.0%
<b>TOTAL REAL ESTATE</b>	0.21%	\$ 34.0	4.3%	8.0%	-6.0%	-7.8%	-7.8%	-2.0%	3.3%	0.0%
<i>Real Estate Blended Index<sup>(5)</sup></i>					-1.8%	2.7%	2.7%	5.8%	8.5%	12.8%
<b>TOTAL TIPS</b>	0.06%	\$ 17.6	2.2%	2.0%	-0.8%					
<i>Bloomberg Barclays US TIPS Index</i>					-0.4%					
<b>CASH</b>	0.13%	\$ 2.0	0.3%	0.0%	0.6%	2.3%	2.3%	3.7%	3.4%	11.6%
<i>90 Day T-Bill</i>					0.6%	2.0%	2.0%	1.1%	0.7%	0.4%
<b>PRIVATE EQUITY</b>		\$ 11.8	1.5%	4.0%	2.2%	13.2%	13.2%	7.7%	7.2%	7.4%
<i>Private Equity Blended Index<sup>(6)</sup></i>					-13.6%	-1.5%	-1.5%	13.5%	12.8%	18.5%
<b>LIQUID DIVERSIFYING</b>		\$ -	0.0%	4.0%						
<i>60% MSCI ACWI/40% BB Global Agg Bond Index</i>										



(1) Preliminary, subject to change; gross of fees, annualized, calculated by The Northern Trust Company.

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- (1) Preliminary, subject to change; gross of fees, annualized; calculated by The Northern Trust Company
- (2) SI-06/30/1996: 26% Russell 1000, 21% Russell 2000, 16% MSCI EAFE, 32% BB Gov/Credit, 5% BB Gov 1-3 Yr; 7/1/1996-9/30/1996: 30% Russell 1000, 21% Russell 2000, 12% MSCI EAFE, 37% BB Gov/Credit;  
10/1/1996-12/31/1996: 30% Russell 1000, 21% Russell 2000, 12% MSCI EAFE, 33.7% BB Gov/Credit, 1.6% CS HY, 1.7% JPM Glob x US Govt Bond; 1/1/1997-6/30/1997: 30% Russell 1000, 21% Russell 2000, 12% MSCI EAFE, 30.1% BB Gov/Credit, 5.2% CS HY, 1.7% JPM Glob x US Govt Bond; 7/1/1997-12/31/1997: 30% Russell 1000, 21% Russell 2000, 12% MSCI EAFE, 27.3% BB US Ag, 8.0% CS HY, 1.7% JPM Glob x US Govt Bond;  
1/1/1998-12/31/1998: 31% Russell 1000, 5% S&P 400 MidCap, 20% Russell 2000, 15% MSCI EAFE (net), 22.4% BB US Ag, 5.2% CS HY, 1.4% JPM Glob x US Govt Bond unh; 1/1/1999-3/31/1999: 34% Russell 1000, 5% S&P 400 MidCap, 17% Russell 2000, 15% MSCI EAFE (net), 22.4% BB US Ag, 5.2% CS HY, 1.4% JPM Glob x US Govt Bond unh; 4/1/1999-6/30/2000: 34% Russell 1000, 5% S&P 400 MidCap, 17% Russell 2000, 15% MSCI EAFE (net), 25% BB US Ag, 4.0% CS HY; 7/1/00-3/31/01: 40% Russell 1000, 5% S&P 400 MidCap, 20% Russell 2000, 16% MSCI EAFE (net), 15% BB US Ag, 4.0% CS HY; 4/1/01-12/31/02: 40% Russell 1000, 5% S&P 400 MidCap, 20% Russell 2000, 13% MSCI EAFE (net), 3% MSCI EM (GD), 15% BB US Ag, 4.0% ML US HY Cash Pay; 1/1/03-12/31/04: 40% Russell 1000, 8% Russell 2500, 5% S&P 400 Midcap, 12% Russell 2000, 13% MSCI EAFE (net), 3% MSCI EM (GD), 19% BB US Ag; 1/1/03-12/31/04: 40% Russell 1000, 8% Russell 2500, 5% S&P 400 Midcap, 12% Russell 2000, 13% MSCI EAFE (net), 3% MSCI EM (GD), 19% BB US Ag;  
1/1/05-1/31/05: 40% Russell 1000, 25% Russell 2500, 13% MSCI EAFE (net), 3% MSCI EM (GD), 19% BB US Ag; 2/1/05-2/28/06: 44.5% Russell 1000, 20% Russell 2500, 12% MSCI EAFE (net), 3% MSCI EM (GD), 19% BB US Ag, 1.5% BB Comm; 3/1/06-8/31/06: 43% Russell 1000, 20% Russell 2500, 12% MSCI EAFE (net), 3% MSCI EM (GD), 19% BB US Ag, 1.5% BB Comm(PR), 1.5% Comm Index (TR)  
9/1/06-3/31/08: 43% Russell 1000, 20% Russell 2500, 9% MSCI EAFE (net), 3% S&P Dev x US Sm Cap (GD), 3% MSCI EM (GD), 19% BB US Ag, 1.5% BB Comm(PR), 1.5% Comm Index (TR); 4/1/08-12/31/11: 27% Russell 1000, 16% Russell 2500, 6% FTSE Nareit, 22% MSCI ACWI x US (GD), 4% Russell 3000 + 5%, 3% Libor 1 mth +3%, 15% BB US Ag, 3% Libor-1mth, 2.0% BB Comm(PR), 2.0% Comm Index (TR)  
1/1/12-9/30/13: 24% Russell 1000, 16% Russell 2500, 2% FTSE Nareit, 25% MSCI ACWI x US (GD), 3% MSCI EM (GD), 3% Russell 3000 + 5%, 2% Libor 1 mth +3%, 21% BB US Ag, 4% Tbill-3mth, 1.5% BB Comm(PR), 1.5% Comm Index (TR); 10/1/13-6/30/18: 24% Russell 1000, 16% Russell 2500, 2% NCREIF PI, 25% MSCI ACWI x US (GD), 3% Russell 3000 + 5%, 2% Libor 1 mth +3%, 21% BB US Ag, 4% Tbill-3mth, 1.5% BB Comm(PR), 1.5% Comm Index (TR); 7/1/18-present: 35% Russell 3000, 25% MSCI ACWI x US IMI (GD), 4% Russell 3000 + 3%, 20% BB US Ag, 2% BB Comm (TR), 2% BB US TIPS, 4% NCREIF ODCE, 4% FTSE NAREIT Dev Glob RE, 4% 60% MSCI ACWI/40% BB Glob Ag
- (3) SI-6/30/96: 55% R1000, 45% R2000; 7/1/96-12/31/97: 58.8% R1000, 41.2% R2000; 1/1/98-12/31/98: 55.4% R1000, 35.7% R2000, 8.9% S&P 400; 1/1/99-6/30/00: 60.7% R1000, 30.4% R2000, 8.9% S&P 400; 7/1/00-12/31/02: 61.5% R1000, 30.8% R2000, 7.7% S&P 400; 1/1/03-12/31/04: 66.7% R1000, 20% R2000, 13.3% R2500; 1/1/05-1/31/05: 61.5% R1000, 38.5% R2500; 2/1/05-2/28/06: 69% R1000, 31% R2500  
3/1/06-3/31/08: 68.3% R1000, 31.7% R2500; 4/1/08-12/31/11: 62.8% R1000, 37.2% R2500; 1/1/12-6/30/18: 60% R1000, 40% R2500; 7/1/18-present: 100% R3000
- (4) SI-2/28/06: 100% AIG Commodity TR; 3/1/06-1/31/09: 50% AIG Commodity TR, 50% S&P GSCI TR; 2/1/09-8/31/08: 50% BB Futures Commod TR USD, 50% S&P GSCI TR; 9/1/18-present: 100% BB Futures Commodity TR
- (5) SI-9/30/13: 100% FTSE NAREIT Composite; 10/1/13-6/30/18: 100% NCREIF Property Index; 7/1/18-present: 50% NCREIF ODCE, 50% FTSE NAREIT Developed Real Estate
- (6) SI-6/30/18: 100% R3000 + 5%; 7/1/18-present: 100% R3000 + 3%

