

BWA Moderate MStar Report

May 18, 2020

Prepared by:
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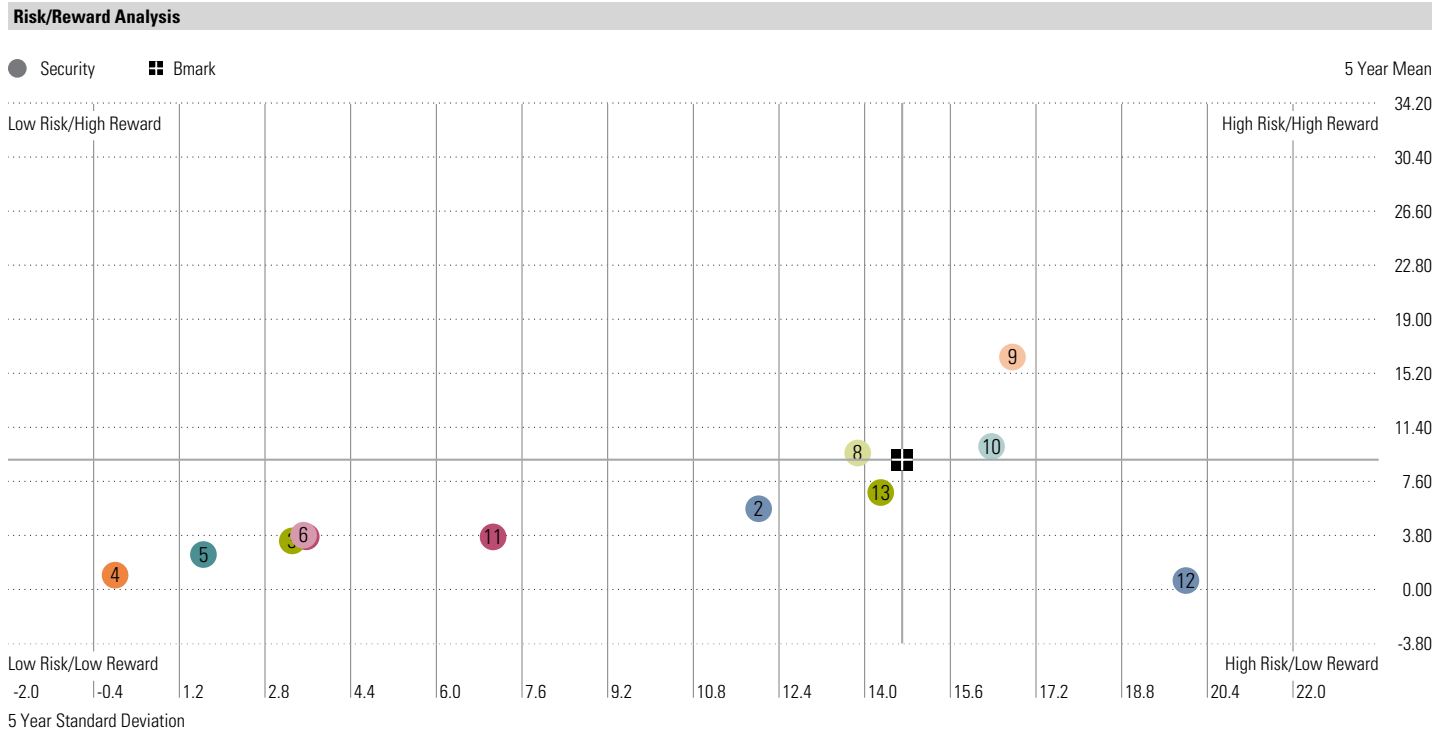
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5 Years Risk/Reward Scatterplot

04-30-2015 to 04-30-2020

Currency
USD

Benchmark
S&P 500 TR USD (USD)



Securities	5 Years Std Dev	5 Years Mean
1 BMO Core Plus Bond I(USD,MCBIX)	3.57	3.70
2 BNY Mellon International Stock Fund I(USD,DISRX)	12.02	5.67
3 Calamos Market Neutral Income I(USD,CMNIX)	3.31	3.41
4 Cash - 1.000%	0.00	1.00
5 Federated Short-Interm Ttl Ret Bd Instl(USD,FGCIX)	1.65	2.45
6 Goldman Sachs Core Fixed Income Inv(USD,GDFTX)	3.52	3.81
7 Gs Fin 1.25% 2023-06-28(USD,B00035C1N5)	—	—
8 Hartford Core Equity Y(USD,HGIYX)	13.87	9.59
9 Invesco QQQ Trust(USD,QQQ)	16.76	16.34
10 Janus Henderson Enterprise I(USD,JMGRX)	16.37	10.05
11 PGIM Global Total Return Z(USD,PZTRX)	7.06	3.69
12 Vanguard Small-Cap Value ETF(USD,VBR)	20.00	0.62
13 WisdomTree US LargeCap Dividend ETF(USD,DLN)	14.30	6.81
■ Benchmark	14.70	9.12

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BMO Core Plus Bond I (USD)

Morningstar Quantitative Rating™
Neutral^Q
 03-31-2020

Overall Morningstar Rating™
 ★★ ★★
 533 US Fund Intermediate
 Core-Plus Bond

Standard Index
 BBgBarc US Agg
 Bond TR USD

Category Index
 BBgBarc US
 Universal TR USD

Morningstar Cat
 US Fund Intermediate
 Core-Plus Bond

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-1.24	-0.43	0.46	-0.27	-1.48
2019	4.05	2.99	1.68	0.90	9.93
2020	-0.02	—	—	—	2.52
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	7.99	4.41	3.70	4.90	5.78
Std 03-31-2020	5.63	—	3.21	4.78	5.59
Total Return	7.99	4.41	3.70	4.90	5.78
+/- Std Index	-2.85	-0.76	-0.10	0.94	—
+/- Cat Index	-1.15	-0.36	-0.09	0.76	—
% Rank Cat	38	35	21	10	—
No. in Cat	606	533	449	333	—

	Subsidized	Unsubsidized
7-day Yield 05-15-20	3.18	—
30-day SEC Yield	—	—

Performance Disclosure
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.
 The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.
 Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-236-3863 or visit www.bmofunds.com.

Fees and Expenses

Sales Charges

Front-End Load % NA

Deferred Load % NA

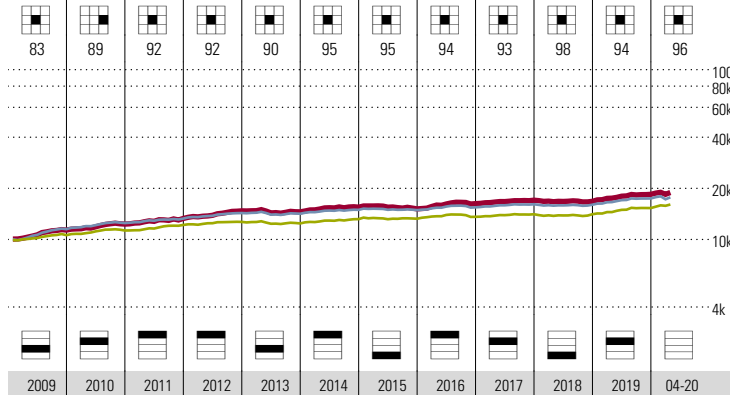
Fund Expenses

Management Fees % 0.13

12b1 Expense % NA

Gross Expense Ratio % 0.33

Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	4★	5★
Morningstar Risk	-Avg	Avg	Avg
Morningstar Return	Avg	+Avg	High
	3 Yr	5 Yr	10 Yr
Standard Deviation	3.46	3.57	3.56
Mean	4.41	3.70	4.90
Sharpe Ratio	0.77	0.72	1.19
MPT Statistics	Standard Index	Best Fit Index	
		BBgBarc US Credit TR USD	
Alpha	-0.35	0.61	
Beta	0.89	0.55	
R-Squared	71.77	92.78	
12-Month Yield	—		
Potential Cap Gains Exp	-1.59%		



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
NAV/Price	10.90	11.10	11.38	11.87	11.40	11.73	11.10	11.52	11.74	11.20	11.90	12.08	NAV/Price
Total Return %	13.54	8.44	7.94	10.87	-1.32	6.59	-2.34	7.38	4.78	-1.48	9.93	2.52	Total Return %
+/- Standard Index	7.60	1.90	0.09	6.65	0.70	0.62	-2.89	4.73	1.24	-1.49	1.22	-2.47	+/- Standard Index
+/- Category Index	4.93	1.28	0.54	5.33	0.02	1.03	-2.77	3.47	0.69	-1.23	0.64	-0.81	+/- Category Index
% Rank Cat	55	44	12	10	58	18	92	2	28	81	26	—	% Rank Cat
No. of Funds in Cat	400	428	456	467	500	510	528	561	597	617	613	620	No. of Funds in Cat

Portfolio Analysis 03-31-2020

Asset Allocation %	Net %	Long %	Short %	Share Chg since 02-2020	Share Amount	Holdings :	Net Assets %
Cash	1.95	3.39	1.44			0 Total Stocks, 217 Total Fixed-Income, 51% Turnover Ratio	
US Stocks	0.00	0.00	0.00				
Non-US Stocks	0.00	0.00	0.00		40 mil	United States Treasury Notes 2.75%	4.27
Bonds	97.56	97.56	0.00		40 mil	United States Treasury Notes 1.5%	4.01
Other/Not Clsfd	0.49	0.49	0.00		20 mil	United States Treasury Bonds 2.88%	2.62
Total	100.00	101.44	1.44		25 mil	United States Treasury Notes 2%	2.58
					25 mil	United States Treasury Notes 2%	2.57
					24 mil	Federal National Mortgage Associat	2.39
					24 mil	Federal National Mortgage Associat	2.36
					24 mil	Federal National Mortgage Associat	2.36
					24 mil	Federal Home Loan Banks 3%	2.35
					21 mil	Federal National Mortgage Associat	2.06
					20 mil	Federal National Mortgage Associat	2.00
					19 mil	Federal Home Loan Mortgage Corpora	1.94
					14 mil	Federal National Mortgage Associat	1.38
					10 mil	United States Treasury Bonds 3%	1.32
					12 mil	Federal National Mortgage Associat	1.17

Equity Style	Value	Blend	Growth	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	—	—	—	—	—	—
P/C Ratio TTM	—	—	—	—	—	—
P/B Ratio TTM	—	—	—	—	—	—
Geo Avg Mkt Cap \$mil	—	—	—	—	—	—

Fixed-Income Style	Ltd	Mod	Ext	High	Med	Low
Avg Eff Maturity						8.40
Avg Eff Duration						5.86
Avg Wtd Coupon						—
Avg Wtd Price						104.99

Credit Quality Breakdown 12-31-2019	Bond %
AAA	61.92
AA	2.79
A	11.11
BBB	19.42
BB	2.76
B	2.00
Below B	0.00
NR	0.00

Regional Exposure	Stocks %	Rel Std Index
Americas	—	—
Greater Europe	—	—
Greater Asia	—	—

Sector Weightings	Stocks %	Rel Std Index
Cyclical	—	—
Basic Materials	—	—
Consumer Cyclical	—	—
Financial Services	—	—
Real Estate	—	—
Sensitive	—	—
Communication Services	—	—
Energy	—	—
Industrials	—	—
Technology	—	—
Defensive	—	—
Consumer Defensive	—	—
Healthcare	—	—
Utilities	—	—

Operations

Family:	BMO Funds	Base Currency:	USD	Purchase Constraints:	—
Manager:	Multiple	Ticker:	MCBIX	Incept:	12-22-2008
Tenure:	8.3 Years	ISIN:	US09658L8853	Type:	MF
Objective:	Multisector Bond	Minimum Initial Purchase:	\$1 mil	Total Assets:	\$1,101.34 mil

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BNY Mellon International Stock Fund I (USD)

Morningstar Quantitative Rating™
Silver
 03-31-2020

Overall Morningstar Rating™
 ★★★★★
 420 US Fund Foreign Large Growth

Standard Index
 MSCI ACWI Ex USA NR USD

Category Index
 MSCI ACWI Ex USA Growth NR USD

Morningstar Cat
 US Fund Foreign Large Growth

Performance 04-30-2020

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-0.43	0.75	2.99	-10.61	-7.65
2019	12.14	4.89	0.05	8.64	27.85
2020	-13.19	—	—	—	-7.94

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	2.85	7.34	5.67	6.10	4.76
Std 03-31-2020	-1.02	—	5.46	5.40	4.33
Total Return	2.85	7.34	5.67	6.10	4.76
+/- Std Index	14.36	7.59	5.84	3.21	—
+/- Cat Index	5.23	2.94	2.75	1.26	—

% Rank Cat	7	11	13	26
No. in Cat	468	420	348	249

	Subsidized	Unsubsidized
7-day Yield 05-15-20	0.00	—
30-day SEC Yield	—	—

Performance Disclosure

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Fees and Expenses

Sales Charges

Front-End Load %	NA
Deferred Load %	NA

Fund Expenses

Management Fees %	0.85
12b1 Expense %	NA
Gross Expense Ratio %	0.91

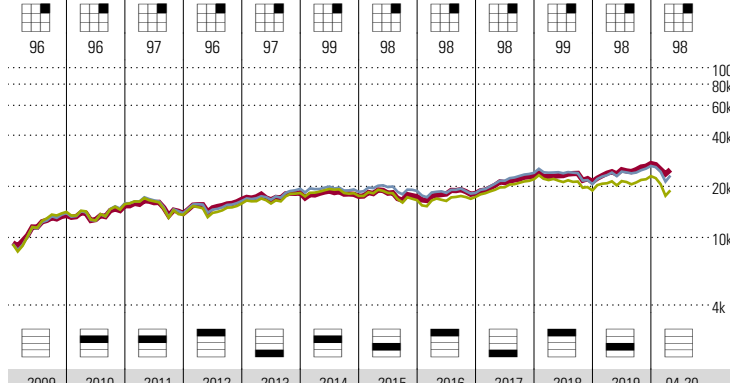
Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	5★	5★	4★
Morningstar Risk	Low	Low	Low
Morningstar Return	+Avg	+Avg	+Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	12.12	12.02	12.98
Mean	7.34	5.67	6.10
Sharpe Ratio	0.50	0.42	0.48

MPT Statistics	Standard Index	Best Fit Index
	MSCI NR USD	EAFE Growth NR USD
Alpha	6.61	3.11
Beta	0.70	0.84
R-Squared	82.51	91.89

12-Month Yield	—
Potential Cap Gains Exp	26.58%



Investment Style
 Equity
 Stocks %

Growth of \$10,000
 ■ BNY Mellon International Stock Fund I 25,076
 ■ Category Average 23,145
 ■ Standard Index 18,936

Performance Quartile
 (within category)

History

NAV/Price	12.11	13.70	12.18	14.50	15.58	14.67	14.39	14.87	18.69	16.97	21.16	19.48
Total Return %	34.89	14.02	-9.94	21.01	9.03	-4.38	-0.63	4.61	27.01	-7.65	27.85	-7.94
+/- Standard Index	-6.56	2.87	3.77	4.18	-6.26	-0.52	5.03	0.11	-0.18	6.55	6.34	9.61
+/- Category Index	-3.78	-0.43	4.26	4.35	-6.46	-1.73	0.62	4.48	-5.00	6.78	0.51	3.25
% Rank Cat	—	49	34	18	96	50	69	4	76	5	52	—
No. of Funds in Cat	—	261	251	250	278	341	361	363	399	439	469	502

Portfolio Analysis 03-31-2020

Asset Allocation %

	Net %	Long %	Short %
Cash	2.25	2.25	0.00
US Stocks	2.35	2.35	0.00
Non-US Stocks	95.40	95.40	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth
Large	—	—
Mid	—	—
Small	—	—

Portfolio Statistics

	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	23.3	1.64	1.07
P/C Ratio TTM	15.0	1.84	1.08
P/B Ratio TTM	3.3	2.39	1.19
Geo Avg Mkt Cap \$mil	44538	1.38	1.04

Fixed-Income Style

Ltd	Mod	Ext
High	—	—
Mid	—	—
Low	—	—

Fixed-Income Metrics

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown

	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure

	Stocks %	Rel Std Index
Americas	4.3	0.46
Greater Europe	54.7	1.25
Greater Asia	41.0	0.87

Share since 02-2020	Share Amount	Holdings :	Net Assets %
		48 Total Stocks, 5 Total Fixed-Income, 7% Turnover Ratio	
	427,280	Keyence Corp	3.40
	314,100	SMC Corp	3.31
	14 mil	AIA Group Ltd	3.02
	2 mil	Novo Nordisk A/S B	2.86
	353,450	Roche Holding AG Dividend Right Ce	2.84
	2 mil	Taiwan Semiconductor Manufacturing	2.83
	751,600	Coloplast A/S B	2.70
	902,200	SAP SE	2.56
	791,200	Air Liquide SA	2.50
	1 mil	Shin-Etsu Chemical Co Ltd	2.47
	1 mil	Kao Corp	2.47
	3 mil	Experian PLC	2.35
	30,300	Givaudan SA	2.32
	408,200	adidas AG	2.32
	1 mil	Novartis AG	2.28

Sector Weightings

	Stocks %	Rel Std Index
Cyclical	26.9	0.69
Basic Materials	11.4	1.58
Consumer Cyclical	9.6	0.93
Financial Services	3.1	0.17
Real Estate	2.8	0.92
Sensitive	38.4	1.07
Communication Services	0.0	0.00
Energy	4.3	0.80
Industrials	19.0	1.68
Technology	15.1	1.41
Defensive	34.7	1.39
Consumer Defensive	13.4	1.28
Healthcare	18.3	1.68
Utilities	3.0	0.85

Operations

Family:	BNY Mellon	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	DISRX	Incept:	12-29-2006
Tenure:	11.1 Years	ISIN:	US05587K7413	Type:	MF
Objective:	Foreign Stock	Minimum Initial Purchase:	\$1,000	Total Assets:	\$4,362.62 mil

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Federated Short-Interm Ttl Ret Bd Instl (USD)

Morningstar Quantitative Rating™
Neutral⁰
 03-31-2020

Overall Morningstar Rating™
★★★★
 512 US Fund Short-Term Bond

Standard Index
 BBgBarc US Agg Bond TR USD

Category Index
 BBgBarc US Govt/Credit 1-3 Yr TR USD

Morningstar Cat
 US Fund Short-Term Bond

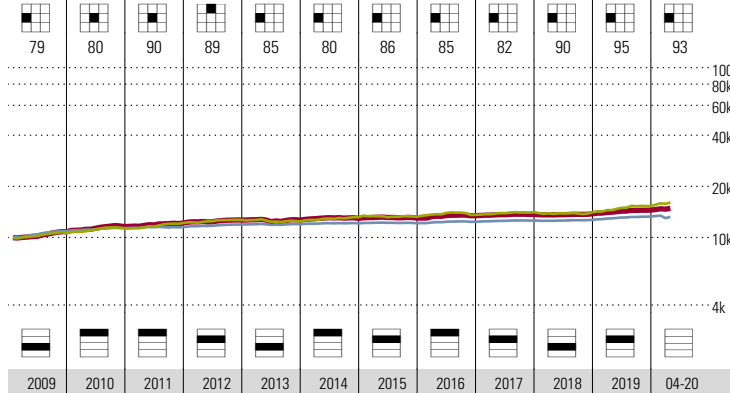
Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-0.56	0.18	0.48	0.70	0.81
2019	1.94	1.71	0.97	0.48	5.19
2020	1.31	—	—	—	2.43
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	5.38	3.02	2.45	2.88	3.84
Std 03-31-2020	4.54	—	2.29	2.88	3.79
Total Return	5.38	3.02	2.45	2.88	3.84
+/- Std Index	-5.46	-2.16	-1.35	-1.08	—
+/- Cat Index	0.44	0.28	0.44	1.22	—
% Rank Cat	7	8	8	8	—
No. in Cat	573	512	444	284	—

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 04-30-20	1.16 ¹	0.56

1. Non-contractual waiver; Expires 12-01-2020

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Fees and Expenses	
Sales Charges	
Front-End Load %	NA
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.30
12b1 Expense %	NA
Gross Expense Ratio %	0.53
Risk and Return Profile	
	3 Yr 5 Yr 10 Yr
	512 funds 444 funds 284 funds
Morningstar Rating™	5★ 5★ 5★
Morningstar Risk	-Avg Avg Avg
Morningstar Return	High High High
	3 Yr 5 Yr 10 Yr
Standard Deviation	1.46 1.65 2.01
Mean	3.02 2.45 2.88
Sharpe Ratio	0.88 0.79 1.12
MPT Statistics	Standard Index Best Fit Index
	BBgBarc US Universal TR USD
Alpha	-0.11 0.01
Beta	0.40 0.42
R-Squared	84.76 89.09
12-Month Yield	2.24%
Potential Cap Gains Exp	-3.83%



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
9.96	10.30	10.50	10.71	10.46	10.43	10.20	10.30	10.27	10.12	10.40	10.58	10.58	NAV/Price
8.02	7.25	5.03	4.12	-0.17	2.48	0.34	3.31	1.70	0.81	5.19	2.43	2.43	Total Return %
2.09	0.71	-2.82	-0.10	1.85	-3.49	-0.21	0.67	-1.84	0.79	-3.53	-2.55	-2.55	+/- Standard Index
4.20	4.45	3.43	2.86	-0.82	1.71	-0.32	2.03	0.86	-0.79	1.16	0.10	0.10	+/- Category Index
54	8	2	39	74	6	47	13	44	69	33	—	—	% Rank Cat
432	432	405	413	458	524	559	522	513	530	569	585	585	No. of Funds in Cat

Portfolio Analysis 03-31-2020

Asset Allocation %	Net %	Long %	Short %	Share Chg since 12-2019	Share Amount	Holdings :	Net Assets %
Cash	3.58	3.58	0.00			0 Total Stocks , 764 Total Fixed-Income, 33% Turnover Ratio	
US Stocks	0.00	0.00	0.00				
Non-US Stocks	0.00	0.00	0.00	⊕	3 mil	Federated Mortgage Core Portfolio	7.49
Bonds	92.57	92.73	0.16	⊗	18 mil	United States Treasury Notes 1.38%	4.40
Other/Not Clsfd	3.85	3.85	0.00		17 mil	United States Treasury Notes 1.75%	4.20
Total	100.00	100.16	0.16	⊕	2 mil	Federated Project and Trade Fin Cor	3.73
					10 mil	United States Treasury Notes 2.12%	2.50
					8 mil	United States Treasury Notes 2.88%	2.04
					8 mil	United States Treasury Notes 2.5%	1.89
					8 mil	United States Treasury Notes 1.75%	1.86
					7 mil	United States Treasury Notes 2.75%	1.83
					8 mil	United States Treasury Notes 1.88%	1.81
					10 mil	United States Treasury Notes 1.12%	2.42
					10 mil	United States Treasury Notes 1.5%	2.41
					10 mil	United States Treasury Notes 1.38%	2.40
					10 mil	United States Treasury Notes 2%	2.37
					1 mil	Federated Bank Loan Core	2.07

Equity Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
Value Blend Growth	P/E Ratio TTM	—	—	—
Large Mid Small	P/C Ratio TTM	—	—	—
	P/B Ratio TTM	—	—	—
	Geo Avg Mkt Cap \$mil	—	—	—

Fixed-Income Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
Ltd Mod Ext	Avg Eff Maturity	—	3.00	—
High Mid Low	Avg Eff Duration	—	2.60	—
	Avg Wtd Coupon	—	2.43	—
	Avg Wtd Price	—	102.88	—

Credit Quality Breakdown 03-31-2020	Bond %
AAA	59.23
AA	10.54
A	9.69
BBB	15.02
BB	0.68
B	1.21
Below B	0.15
NR	3.48

Regional Exposure	Stocks %	Rel Std Index
Americas	—	—
Greater Europe	—	—
Greater Asia	—	—

Sector Weightings	Stocks %	Rel Std Index
Cyclical	—	—
Basic Materials	—	—
Consumer Cyclical	—	—
Financial Services	—	—
Real Estate	—	—
Sensitive	—	—
Communication Services	—	—
Energy	—	—
Industrials	—	—
Technology	—	—
Defensive	—	—
Consumer Defensive	—	—
Healthcare	—	—
Utilities	—	—

Operations

Family:	Federated	Ticker:	FGCIX	Incept:	09-02-2005
Manager:	Multiple	ISIN:	US31420B6074	Type:	MF
Tenure:	6.5 Years	Minimum Initial Purchase:	\$1 mil	Total Assets:	\$504.11 mil
Objective:	Income	Min Auto Investment Plan:	\$1 mil		
Base Currency:	USD	Purchase Constraints:	A		

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Goldman Sachs Core Fixed Income Inv (USD)

Morningstar Analyst Rating™ Neutral
04-09-2020

Overall Morningstar Rating™ ★★★★★
386 US Fund Intermediate Core Bond

Standard Index BBgBarc US Agg Bond TR USD

Category Index BBgBarc US Agg Bond TR USD

Morningstar Cat US Fund Intermediate Core Bond

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-1.60	-0.05	0.00	1.05	-0.62
2019	3.64	3.15	2.40	0.12	9.61
2020	1.50	—	—	—	4.72
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	10.79	5.12	3.81	4.11	3.93
Std 03-31-2020	7.35	—	3.09	3.92	3.70
Total Return	10.79	5.12	3.81	4.11	3.93
+/- Std Index	-0.05	-0.05	0.02	0.15	—
+/- Cat Index	-0.05	-0.05	0.02	0.15	—
% Rank Cat	18	13	12	21	
No. in Cat	428	386	331	252	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 03-31-20	2.11 ¹	1.94

1. Contractual waiver, Expires 07-29-2020

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.
Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-526-7384 or visit www.goldmansachsfunds.com.

Fees and Expenses	
Sales Charges	
Front-End Load %	NA
Deferred Load %	NA

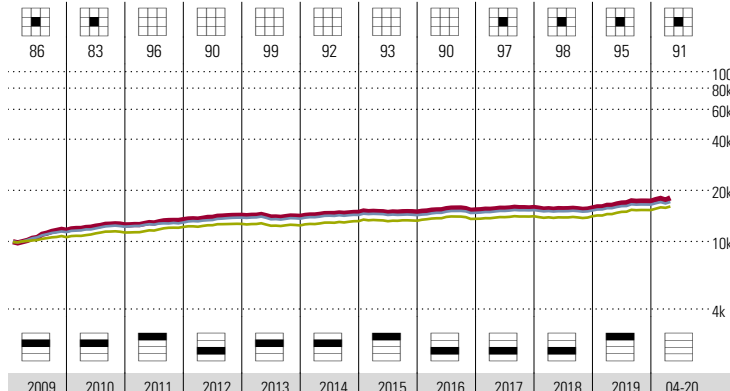
Fund Expenses	
Management Fees %	0.40
12b1 Expense %	NA
Gross Expense Ratio %	0.61

Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
	386 funds	331 funds	252 funds
Morningstar Rating™	4★	4★	4★
Morningstar Risk	+Avg	+Avg	Avg
Morningstar Return	+Avg	+Avg	+Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	3.95	3.52	3.11
Mean	5.12	3.81	4.11
Sharpe Ratio	0.85	0.76	1.12

MPT Statistics	Standard Index	Best Fit Index
		BBgBarc US
		Universal TR USD
Alpha	-0.48	-0.23
Beta	1.13	1.19
R-Squared	88.93	97.01
12-Month Yield		2.64%
Potential Cap Gains Exp		-1.61%

Operations		
Family:	Goldman Sachs	Base Currency: USD
Manager:	Multiple	Ticker: GDFTX
Tenure:	11.2 Years	ISIN: US38145N3290
Objective:	Growth and Income	Minimum Initial Purchase: \$0
		Purchase Constraints: A
		Incept: 11-30-2007
		Type: MF
		Total Assets: \$1,514.32 mil



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
NAV/Price	9.38	9.81	10.29	10.66	10.26	10.56	10.34	10.38	10.47	10.13	10.71	11.12	NAV/Price
Total Return %	16.35	7.57	7.32	6.08	-1.38	5.54	0.47	2.86	3.37	-0.62	9.61	4.72	Total Return %
+/- Standard Index	10.42	1.03	-0.52	1.86	0.64	-0.43	-0.08	0.21	-0.18	-0.63	0.89	-0.27	+/- Standard Index
+/- Category Index	10.42	1.03	-0.52	1.86	0.64	-0.43	-0.08	0.21	-0.18	-0.63	0.89	-0.27	+/- Category Index
% Rank Cat	30	46	19	59	41	46	25	53	63	57	11	—	% Rank Cat
No. of Funds in Cat	1123	1164	1195	1165	1079	1038	1042	985	986	1019	430	437	No. of Funds in Cat

Portfolio Analysis 03-31-2020			
Asset Allocation %	Net %	Long %	Short %
Cash	-4.62	13.85	18.46
US Stocks	0.00	0.00	0.00
Non-US Stocks	0.00	0.00	0.00
Bonds	102.05	171.12	69.07
Other/Not Clsfd	2.57	2.61	0.04
Total	100.00	187.57	87.57

Equity Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
Value Blend Growth	P/E Ratio TTM	—	—	—
Large Mid Small	P/C Ratio TTM	—	—	—
	P/B Ratio TTM	—	—	—
	Geo Avg Mkt Cap \$mil	—	—	—

Fixed-Income Style	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price
Ltd Mod Ext	19.37	5.67	3.46	105.67
High Mid Low				

Credit Quality Breakdown 03-31-2020		
	Bond %	
AAA	53.39	
AA	3.75	
A	18.33	
BBB	20.01	
BB	0.79	
B	0.01	
Below B	0.00	
NR	3.71	

Regional Exposure		
	Stocks %	Rel Std Index
Americas	—	—
Greater Europe	—	—
Greater Asia	—	—

Sector Weightings		
	Stocks %	Rel Std Index
Cyclical	—	—
Basic Materials	—	—
Consumer Cyclical	—	—
Financial Services	—	—
Real Estate	—	—
Sensitive	—	—
Communication Services	—	—
Energy	—	—
Industrials	—	—
Technology	—	—
Defensive	—	—
Consumer Defensive	—	—
Healthcare	—	—
Utilities	—	—

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Hartford Core Equity Y (USD)

Morningstar Analyst Rating™
Bronze
09-12-2019

Overall Morningstar Rating™
★★★★★
1,231 US Fund Large Blend

Standard Index
S&P 500 TR USD

Category Index
Russell 1000 TR USD

Morningstar Cat
US Fund Large Blend

Performance 04-30-2020

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	1.10	2.78	7.62	-11.99	-1.58
2019	13.65	5.37	2.49	9.05	33.84
2020	-19.42	—	—	—	-10.05

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	1.46	10.32	9.59	12.81	7.12
Std 03-31-2020	-5.11	—	7.21	11.61	6.61
Total Return	1.46	10.32	9.59	12.81	7.12
+/- Std Index	0.60	1.27	0.47	1.12	—
+/- Cat Index	1.38	1.64	0.85	1.24	—

% Rank Cat	17	4	5	1
No. in Cat	1379	1231	1052	797

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

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Fees and Expenses

Sales Charges

Front-End Load %	NA
Deferred Load %	NA

Fund Expenses

Management Fees %	0.34
12b1 Expense %	NA
Gross Expense Ratio %	0.49

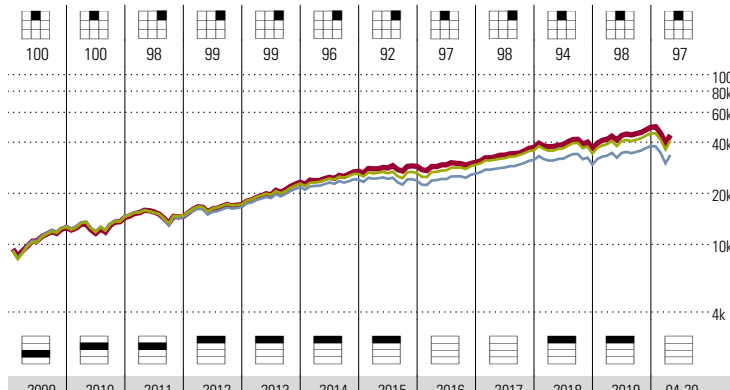
Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	5★	5★	5★
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	High	High	High

	3 Yr	5 Yr	10 Yr
Standard Deviation	16.18	13.87	13.35
Mean	10.32	9.59	12.81
Sharpe Ratio	0.58	0.65	0.93

MPT Statistics	Standard Index	Best Fit Index
Alpha	1.44	1.44
Beta	0.96	0.96
R-Squared	98.54	98.54

12-Month Yield	—
Potential Cap Gains Exp	17.79%



Investment Style
Equity
Stocks %

Growth of \$10,000
 — Hartford Core Equity Y
 44,076
 — Category Average
 33,637
 — Standard Index
 40,914

Performance Quartile
(within category)

History	NAV/Price	Total Return %	+/- Standard Index	+/- Category Index	% Rank Cat	No. of Funds in Cat
2009	11.50	25.81	-0.66	-2.63	62	2027
2010	13.00	14.49	-0.57	-1.61	39	2010
2011	13.09	1.47	-0.64	-0.03	26	1786
2012	15.17	17.29	1.29	0.87	17	1686
2013	20.43	35.63	3.25	2.52	18	1559
2014	22.74	15.89	2.20	2.65	4	1568
2015	23.80	6.89	5.50	5.97	1	1606
2016	24.78	5.79	-6.17	-6.26	—	—
2017	29.16	22.08	0.25	0.39	—	—
2018	27.18	-1.58	2.81	3.21	7	1402
2019	35.42	33.84	2.36	2.42	7	1387
04-20	31.86	-10.05	-0.76	-0.37	—	1433

Portfolio Analysis 03-31-2020

Asset Allocation %	Net %	Long %	Short %
Cash	3.43	3.43	0.00
US Stocks	94.06	94.06	0.00
Non-US Stocks	2.51	2.51	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth
Large	High	Med
Mid	Med	Small
Small	Low	Low

Portfolio Statistics

	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	18.9	0.96	0.99
P/C Ratio TTM	14.2	1.09	1.05
P/B Ratio TTM	2.9	0.95	0.88
Geo Avg Mkt Cap \$mil	92885	0.73	0.53

Fixed-Income Style

Ltd	Mod	Ext
High	Med	Low
High	Med	Low
High	Med	Low

	Bond %
Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown

	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure

	Stocks %	Rel Std Index
Americas	97.4	0.99
Greater Europe	2.6	2.29
Greater Asia	0.0	0.02

Share Chg since 02-2020	Share Amount	Holdings :	Net Assets %
		73 Total Stocks , 211 Total Fixed-Income, 15% Turnover Ratio	
	1 mil	Microsoft Corp	3.87
	854,446	Apple Inc	3.81
	110,402	Amazon.com Inc	3.78
	132,002	Alphabet Inc A	2.69
	1 mil	Procter & Gamble Co	2.59
	542,319	NextEra Energy Inc	2.29
	1 mil	JPMorgan Chase & Co	2.21
	899,117	Eli Lilly and Co	2.19
	991,964	Walmart Inc	1.98
	459,732	Mastercard Inc A	1.95
	5 mil	Bank of America Corp	1.92
	431,165	UnitedHealth Group Inc	1.89
	2 mil	Verizon Communications Inc	1.77
	1 mil	Baxter International Inc	1.76
	1 mil	American Electric Power Co Inc	1.70

Sector Weightings

	Stocks %	Rel Std Index
Cyclical	26.7	0.93
Basic Materials	1.8	0.84
Consumer Cyclical	9.9	0.97
Financial Services	12.6	0.92
Real Estate	2.5	0.86
Sensitive	38.3	0.86
Communication Services	7.5	0.69
Energy	0.6	0.19
Industrials	8.6	1.02
Technology	21.6	0.97
Defensive	35.0	1.32
Consumer Defensive	12.1	1.56
Healthcare	17.6	1.14
Utilities	5.3	1.62

Operations

Family:	Hartford Mutual Funds
Manager:	Multiple
Tenure:	22.1 Years
Objective:	Growth

Base Currency:	USD
Ticker:	HGIYX
ISIN:	US4166456537
Minimum Initial Purchase:	\$250,000

Purchase Constraints:	—
Incept:	04-30-1998
Type:	MF
Total Assets:	\$6,722.32 mil

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Janus Henderson Enterprise I (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™
Silver ★★★★★
 08-20-2019 565 US Fund Mid-Cap Growth

Standard Index
 S&P 500 TR USD

Category Index
 Russell Mid Cap Growth TR USD

Morningstar Cat
 US Fund Mid-Cap Growth

Performance 04-30-2020

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	4.93	2.14	7.07	-13.64	-0.90
2019	17.84	7.20	1.09	5.93	35.27
2020	-24.06	—	—	—	-13.28

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-4.51	10.51	10.05	12.90	15.43
Std 03-31-2020	-12.83	—	6.89	11.67	14.14
Total Return	-4.51	10.51	10.05	12.90	15.43
+/- Std Index	-5.37	1.47	0.93	1.20	—
+/- Cat Index	-4.74	-0.77	1.17	0.71	—

% Rank Cat	67	36	20	12
No. in Cat	605	565	503	387

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

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Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 877-335-2687 or visit www.janus Henderson.com.

Fees and Expenses

Sales Charges

Front-End Load %	NA
Deferred Load %	NA

Fund Expenses

Management Fees %	0.64
12b1 Expense %	NA
Gross Expense Ratio %	0.75

Risk and Return Profile

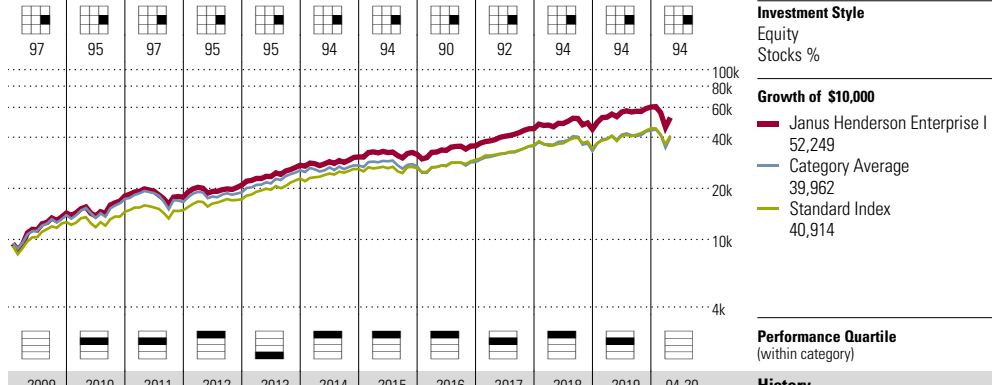
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	4★	5★
Morningstar Risk	Avg	Avg	-Avg
Morningstar Return	Avg	+Avg	+Avg
Standard Deviation	19.15	16.37	14.89
Mean	10.51	10.05	12.90
Sharpe Ratio	0.53	0.60	0.85

MPT Statistics	Standard Index	Best Fit Index
Alpha	1.11	6.13
Beta	1.08	0.94
R-Squared	90.27	94.65

12-Month Yield	—
Potential Cap Gains Exp	29.61%

Operations

Family:	Janus Henderson
Manager:	Multiple
Tenure:	12.5 Years
Objective:	Growth



Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20
NAV/Price	47.01	59.26	58.28	66.41	82.21	86.95	86.47	95.22	118.24	110.12	142.53	123.60
Total Return %	43.02	26.06	-1.65	17.83	30.86	12.01	3.49	12.08	26.53	-0.90	35.27	-13.28
+/- Standard Index	16.55	10.99	-3.77	1.83	-1.53	-1.68	2.11	0.12	4.70	3.49	3.79	-3.99
+/- Category Index	-3.27	-0.33	0.00	2.03	-4.88	0.11	3.69	4.75	1.26	3.85	-0.20	-5.76
% Rank Cat	—	42	33	17	79	11	12	10	30	13	31	—
No. of Funds in Cat	—	759	751	737	703	749	733	644	617	605	618	619

Portfolio Analysis 03-31-2020

Asset Allocation %	Net %	Long %	Short %
Cash	5.61	5.61	0.00
US Stocks	81.72	81.72	0.00
Non-US Stocks	12.43	12.43	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.24	0.24	0.00
Total	100.00	100.00	0.00

Equity Style	Value	Blend	Growth
P/E Ratio TTM	21.4	1.09	0.80
P/C Ratio TTM	13.5	1.04	0.71
P/B Ratio TTM	2.9	0.95	0.68
Geo Avg Mkt Cap \$mil	12200	0.10	0.91

Fixed-Income Style	Ltd	Mod	Ext
Avg Eff Maturity	—	—	—
Avg Eff Duration	—	—	—
Avg Wtd Coupon	—	—	—
Avg Wtd Price	—	—	—

Credit Quality Breakdown	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	93.3	0.94
Greater Europe	5.7	5.06
Greater Asia	1.0	21.35

Share Chg since 12-2019	Share Amount	Holdings :	Net Assets %
—	—	79 Total Stocks, 0 Total Fixed-Income, 13% Turnover Ratio	—
—	498,709	Constellation Software Inc	2.70
—	3 mil	NICE Ltd ADR	2.65
—	2 mil	Aon PLC	2.35
—	3 mil	Crown Castle International Corp	2.28
—	3 mil	Global Payments Inc	2.28
—	9 mil	SS&C Technologies Holdings Inc	2.26
—	1 mil	The Cooper Companies Inc	2.14
—	5 mil	Microchip Technology Inc	2.07
—	10 mil	Boston Scientific Corp	2.01
—	4 mil	PerkinElmer Inc	1.98
—	2 mil	Steris PLC	1.96
—	3 mil	Broadridge Financial Solutions Inc	1.94
—	3 mil	Fidelity National Information Serv	1.92
—	4 mil	Intact Financial Corp	1.89
—	6 mil	GoDaddy Inc A	1.88

Sector Weightings	Stocks %	Rel Std Index
Cyclical	26.4	0.91
Basic Materials	0.0	0.00
Consumer Cyclical	7.3	0.71
Financial Services	13.9	1.02
Real Estate	5.3	1.81
Sensitive	53.3	1.19
Communication Services	2.5	0.23
Energy	1.6	0.54
Industrials	15.0	1.78
Technology	34.3	1.53
Defensive	20.3	0.76
Consumer Defensive	0.0	0.00
Healthcare	19.9	1.28
Utilities	0.4	0.13

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PGIM Global Total Return Z (USD)

Morningstar Analyst Rating™ **Overall Morningstar Rating™** **Standard Index** **Category Index** **Morningstar Cat**
Silver **★★★★** **BBgBarc US Agg** **BBgBarc Global** **US Fund World Bond**
 05-13-2020 188 US Fund World Bond Bond TR USD Aggregate TR USD

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	1.97	-4.02	-1.55	2.24	-1.49
2019	3.88	4.82	2.06	1.06	12.30
2020	-7.15	—	—	—	-4.36
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	3.54	4.34	3.69	4.66	5.03
Std 03-31-2020	0.38	—	3.30	4.40	4.91
Total Return	3.54	4.34	3.69	4.66	5.03
+/- Std Index	-7.30	-0.83	-0.11	0.70	—
+/- Cat Index	-3.02	0.51	0.87	1.99	—
% Rank Cat	34	1	1	1	—
No. in Cat	210	188	172	103	—

	Subsidized	Unsubsidized
7-day Yield 05-15-20	4.08 ¹	—
30-day SEC Yield 04-30-20	3.10 ¹	3.08

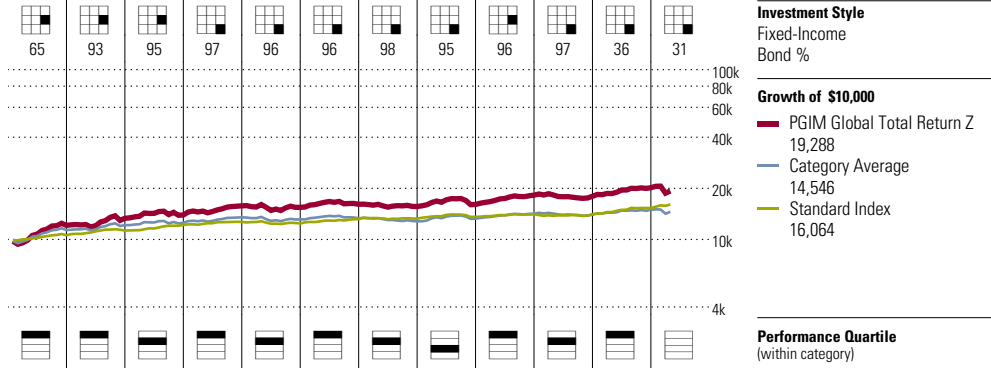
1. Contractual waiver, Expires 02-28-2021

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Fees and Expenses	
Sales Charges	
Front-End Load %	NA
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.50
12b1 Expense %	NA
Gross Expense Ratio %	0.68
Risk and Return Profile	
	3 Yr 5 Yr 10 Yr
	188 funds 172 funds 103 funds
Morningstar Rating™	5★ 5★ 5★
Morningstar Risk	+Avg +Avg +Avg
Morningstar Return	High High High
	3 Yr 5 Yr 10 Yr
Standard Deviation	7.30 7.06 7.54
Mean	4.34 3.69 4.66
Sharpe Ratio	0.39 0.39 0.56

MPT Statistics	Standard Index	Best Fit Index JPM EMBI Global Diversified TR USD
Alpha	-1.23	3.18
Beta	1.19	0.67
R-Squared	28.89	77.60
12-Month Yield		3.69%
Potential Cap Gains Exp		3.16%

Operations	
Family:	PGIM Funds (Prudential)
Manager:	Multiple
Tenure:	17.7 Years
Objective:	Worldwide Bond
Base Currency:	USD
Ticker:	PZTRX
ISIN:	US74439A4004
Minimum Initial Purchase:	\$0



Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
NAV/Price	6.73	6.66	6.66	7.25	6.79	6.78	6.34	6.28	6.88	6.54	6.91	6.53	NAV/Price
Total Return %	21.03	10.07	4.58	13.22	-2.06	4.29	-2.99	2.83	13.44	-1.49	12.30	-4.36	Total Return %
+/- Standard Index	15.10	3.53	-3.27	9.01	-0.04	-1.67	-3.54	0.18	9.90	-1.50	3.59	-9.35	+/- Standard Index
+/- Category Index	14.10	4.52	-1.07	8.90	0.53	3.71	0.16	0.74	6.05	-0.29	5.46	-5.99	+/- Category Index
% Rank Cat	10	14	28	10	38	22	32	57	2	50	1	—	% Rank Cat
No. of Funds in Cat	269	270	297	315	365	385	367	339	303	310	210	219	No. of Funds in Cat

Portfolio Analysis 03-31-2020		Share Chg since 02-2020	Share Amount	Holdings :	Net Assets %
Asset Allocation %	Net %	Long %	Short %		
Cash	9.00	206.64	197.65		
US Stocks	0.28	0.30	0.02	39 mil	Italy (Republic Of) 6%
Non-US Stocks	-0.01	0.11	0.12	2,048	Ultra US Treasury Bond Future June
Bonds	88.32	92.03	3.71	36 mil	Republic of Colombia 3.88%
Other/Not Clsfd	2.41	2.41	0.00	33 mil	Brazil Minas SPE 5.33%
Total	100.00	301.49	201.49	28 mil	The Republic of Peru 2.75%
				24 mil	PARK AVENUE FUNDING TRUST 2.46%
				25 mil	CBAM 2019-11 LTD / LLC 3.26%
				22 mil	Bvrt_19-1f
				18 mil	Russian Federation 2.88%
				4,434	5 Year Treasury Note Future June 20
				17 mil	Spain (Kingdom of) 1.85%
				6,778	2 Year Treasury Note Future June 20
				16 mil	Italy (Republic Of) 3.35%
				15 mil	Italy (Republic Of) 5.12%
				20 mil	Tcw Clo 0%

Equity Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
Value Blend Growth	P/E Ratio TTM	—	—	—
Large Mid Small	P/C Ratio TTM	—	—	—
	P/B Ratio TTM	—	—	—
	Geo Avg Mkt Cap \$mil	—	—	—
Fixed-Income Style	Avg Eff Maturity	—	—	—
Ltd Mod Ext	Avg Eff Duration	—	8.57	—
	Avg Wtd Coupon	—	3.77	—
	Avg Wtd Price	—	—	—

Credit Quality Breakdown 03-31-2020		Bond %
AAA		25.70
AA		8.57
A		18.10
BBB		22.85
BB		10.22
B		4.70
Below B		0.84
NR		9.02

Regional Exposure		Stocks %	Rel Std Index
Americas		—	—
Greater Europe		—	—
Greater Asia		—	—

Sector Weightings		Stocks %	Rel Std Index
Cyclical		—	—
Basic Materials		—	—
Consumer Cyclical		—	—
Financial Services		—	—
Real Estate		—	—
Sensitive		—	—
Communication Services		—	—
Energy		—	—
Industrials		—	—
Technology		—	—
Defensive		—	—
Consumer Defensive		—	—
Healthcare		—	—
Utilities		—	—

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Invesco QQQ Trust (USD)

Morningstar Analyst Rating™ Neutral **Overall Morningstar Rating™** ★★★★★ **Standard Index** S&P 500 TR USD **Category Index** Russell 1000 Growth TR USD **Morningstar Cat** US Fund Large Growth

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	3.09	7.20	8.55	-16.77	-0.14
2019	16.82	4.19	1.23	12.91	39.12
2020	-10.29	—	—	—	3.35
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Std Mkt 03-31-20	6.88	—	13.57	15.92	7.12
Std NAV 03-31-20	6.83	—	13.58	15.93	7.13
Mkt Total Ret	16.48	18.21	16.34	17.29	7.80
NAV Total Ret	16.68	18.29	16.41	17.32	7.82
+/- Std Index	15.82	9.25	7.28	5.63	—
+/- Cat Index	5.84	2.60	3.07	2.91	—
% Rank Cat	3	8	3	1	—
No. in Cat	1,350	1,237	1,084	813	—

30-day SEC Yield

Performance Disclosure

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-983-0903 or visit www.invescopowershares.com.

Fees and Expenses

Fund Expenses

Management Fees %	0.05
Expense Ratio %	0.20
12b1 Expense %	NA

Risk and Return Profile

	3 Yr	5 Yr	10 Yr
	1237 funds	1084 funds	813 funds
Morningstar Rating™	5★	5★	5★
Morningstar Risk	+Avg	+Avg	+Avg
Morningstar Return	High	High	High

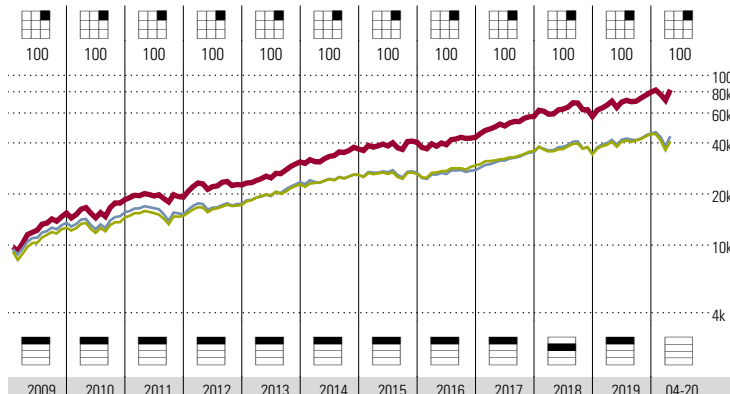
	3 Yr	5 Yr	10 Yr
Standard Deviation NAV	18.13	16.78	15.71
Standard Deviation MKT	18.01	16.76	15.74
Mean NAV	18.29	16.41	17.32
Mean MKT	18.21	16.34	17.29
Sharpe Ratio	0.92	0.92	1.06

MPT Statistics	Standard Index	Best Fit Index
NAV	Russell 1000	Growth TR USD
Alpha	8.35	2.03
Beta	1.01	1.03
R-Squared	87.14	95.89

12-Month Yield	—
Potential Cap Gains Exp	—
Leveraged	No
Leverage Type	—
Leverage %	100.00
Primary Prospectus Benchmark	NASDAQ 100 TR USD

Operations

Family:	Invesco
Manager:	Management Team
Tenure:	21.2 Years
Total Assets:	\$101,949.3 mil
Shares Outstanding:	456.75 mil
Type:	ETF



2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
54.70	19.91	3.38	18.12	36.63	19.18	9.45	7.10	32.66	-0.12	38.96	3.18	Mkt Total Ret %
54.45	19.89	3.44	18.09	36.60	19.12	9.54	7.01	32.70	-0.14	39.12	3.35	NAV Total Ret %
27.99	4.83	1.33	2.09	4.22	5.43	8.16	-4.95	10.87	4.24	7.63	12.64	+/- Standard Index
17.25	3.18	0.80	2.84	3.12	6.07	3.87	-0.07	2.48	1.37	2.73	4.73	+/- Category Index
5	15	7	20	23	1	8	21	19	28	5	—	% Rank Cat
1796	1718	1683	1681	1712	1710	1681	1463	1363	1405	1360	1379	No. of Funds in Cat
-0.01	0.00	0.03	0.00	0.03	0.02	0.01	-0.01	0.03	0.06	-0.02	—	Avg Prem/Discount %

Portfolio Analysis 05-14-2020

Asset Allocation %	Net %	Long %	Short %
Cash	0.15	0.15	0.00
US Stocks	97.38	97.38	0.00
Non-US Stocks	2.47	2.47	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth	Port Avg	Rel Index	Rel Cat
Value	Blend	Growth	26.7	1.36	0.97
P/E Ratio TTM			17.1	1.31	0.87
P/C Ratio TTM			6.5	2.14	37.76
P/B Ratio TTM			249562	1.97	1.31
Geo Avg Mkt Cap					
\$mil					

Fixed-Income Style

Ltd	Mod	Ext	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price
Ltd	Mod	Ext	—	—	—	—
			—	—	—	—
			—	—	—	—
			—	—	—	—

Credit Quality Breakdown

	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure

	Stocks %	Rel Std Index
Americas	97.9	0.99
Greater Europe	0.6	0.49
Greater Asia	1.5	31.25

Top Holdings 05-10-2020

Share Chg since 05-2020	Share Amount	Holdings : 103 Total Stocks, 0 Total Fixed-Income, 7% Turnover Ratio	Net Assets %
⊖	66 mil	Microsoft Corp	11.72
⊖	38 mil	Apple Inc	11.56
⊖	4 mil	Amazon.com Inc	10.15
⊖	21 mil	Facebook Inc A	4.25
⊖	3 mil	Alphabet Inc A	3.98
⊖	3 mil	Alphabet Inc Class C	3.95
⊖	47 mil	Intel Corp	2.75
⊖	7 mil	NVIDIA Corp	2.14
⊖	5 mil	Netflix Inc	2.11
⊖	47 mil	Cisco Systems Inc	2.02
⊖	15 mil	PepsiCo Inc	2.01
⊖	5 mil	Adobe Inc	1.87
⊖	13 mil	PayPal Holdings Inc	1.84
⊖	50 mil	Comcast Corp Class A	1.77
⊖	2 mil	Tesla Inc	1.61

Sector Weightings

	Stocks %	Rel Std Index
Cyclical	18.3	0.64
Basic Materials	0.0	0.00
Consumer Cyclical	16.2	1.58
Financial Services	1.8	0.14
Real Estate	0.3	0.09
Sensitive	67.5	1.51
Communication Services	20.6	1.90
Energy	0.0	0.00
Industrials	2.7	0.32
Technology	44.2	1.98
Defensive	14.1	0.53
Consumer Defensive	5.2	0.67
Healthcare	8.2	0.53
Utilities	0.7	0.22

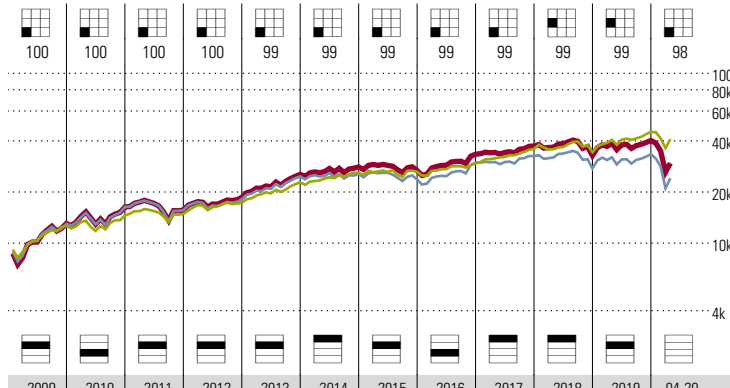
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Vanguard Small-Cap Value ETF (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ **Standard Index** **Category Index** **Morningstar Cat**
Gold ★★★★★ S&P 500 TR USD Russell 2000 Value US Fund Small Value
 02-24-2020 406 US Fund Small Value TR USD

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-2.07	5.27	3.19	-17.49	-12.22
2019	13.36	2.00	-0.92	7.15	22.76
2020	-34.87	—	—	—	-26.46
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Std Mkt 03-31-20	-29.60	—	-2.09	6.16	5.73
Std NAV 03-31-20	-29.48	—	-2.04	6.18	5.74
Mkt Total Ret	-23.36	-4.70	0.62	6.83	6.50
NAV Total Ret	-23.37	-4.72	0.62	6.83	6.50
+/- Std Index	-24.23	-13.76	-8.50	-4.86	—
+/- Cat Index	0.47	1.34	0.32	1.53	—
% Rank Cat	33	16	18	8	—
No. in Cat	426	406	357	252	—



Investment Style
Equity
Stocks %
Growth of \$10,000
Vanguard Small-Cap Value ETF
29,583
Category Average
24,116
Standard Index
40,914
Performance Quartile (within category)
History

30-day SEC Yield 2020-05-15	Subsidized	Unsubsidized
2.94	—	3.31

Performance Disclosure
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 866-499-8473 or visit www.vanguard.com.

Fees and Expenses

Fund Expenses	
Management Fees %	0.06
Expense Ratio %	0.07
12b1 Expense %	NA

Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	4★	4★	5★
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	+Avg	+Avg	High
Standard Deviation NAV	23.18	19.94	18.27
Standard Deviation MKT	23.28	20.00	18.32
Mean NAV	-4.72	0.62	6.83
Mean MKT	-4.70	0.62	6.83
Sharpe Ratio	-0.16	0.08	0.42

MPT Statistics	Standard Index	Best Fit Index
NAV	—	Morningstar US Small Val TR USD
Alpha	-14.49	3.01
Beta	1.29	0.87
R-Squared	87.24	99.09

12-Month Yield	Potential Cap Gains Exp	Leveraged	Leverage Type	Leverage %	Primary Prospectus Benchmark
2.62%	—	No	—	100.00	CRSP US Small Cap Value TR USD

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
30.92	25.10	-4.23	18.98	36.55	10.55	-4.76	24.90	11.80	-12.26	22.76	-26.45	Mkt Total Ret %
30.52	24.97	-4.05	18.78	36.57	10.55	-4.67	24.80	11.79	-12.22	22.76	-26.46	NAV Total Ret %
4.05	9.90	-6.16	2.78	4.18	-3.14	-6.05	12.84	-10.04	-7.83	-8.73	-17.17	+/- Standard Index
9.94	0.46	1.46	0.73	2.05	6.33	2.80	-6.94	3.95	0.65	0.36	1.27	+/- Category Index
43	62	50	26	44	2	37	61	20	16	35	—	% Rank Cat
370	342	352	357	369	396	433	405	397	417	419	442	No. of Funds in Cat
-0.03	-0.01	-0.01	0.04	0.01	0.00	0.00	0.01	0.00	0.02	0.00	—	Avg Prem/Discount %

Portfolio Analysis 03-31-2020

Asset Allocation %	Net %	Long %	Short %	Share Chg since 02-2020	Share Amount	Holdings : 889 Total Stocks, 4 Total Fixed-Income, 19% Turnover Ratio	Net Assets %
Cash	1.67	1.73	0.06	—	—	—	—
US Stocks	97.49	97.49	0.00	⊕	2 mil	Leidos Holdings Inc	0.94
Non-US Stocks	0.82	0.82	0.00	⊕	2 mil	Atmos Energy Corp	0.85
Bonds	0.00	0.00	0.00	⊕	1 mil	IDEX Corp	0.76
Other/Not Clsfd	0.02	0.02	0.00	⊕	2 mil	Booz Allen Hamilton Holding Corp C	0.70
Total	100.00	100.06	0.06	⊕	8 mil	Medical Properties Trust Inc	0.65

Equity Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
Value	P/E Ratio TTM	10.8	0.55	0.90
Blend	P/C Ratio TTM	5.5	0.42	0.81
Growth	P/B Ratio TTM	1.1	0.38	1.28
	Geo Avg Mkt Cap \$mil	2780	0.02	1.18

Fixed-Income Style	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price
Ltd	—	—	—	—
Mod	—	—	—	—
Ext	—	—	—	—

Credit Quality Breakdown	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	99.6	1.01
Greater Europe	0.4	0.32
Greater Asia	0.0	0.04

Sector Weightings	Stocks %	Rel Std Index
Cyclical	48.9	1.70
Basic Materials	5.3	2.54
Consumer Cyclical	10.6	1.03
Financial Services	21.7	1.60
Real Estate	11.3	3.88
Sensitive	32.6	0.73
Communication Services	1.7	0.16
Energy	1.6	0.52
Industrials	18.9	2.25
Technology	10.4	0.47
Defensive	18.5	0.70
Consumer Defensive	4.9	0.63
Healthcare	6.7	0.43
Utilities	6.9	2.11

Operations

Family:	Vanguard	Ticker:	VBR	Mkt Price:	100.44
Manager:	Multiple	Incept:	01-26-2004	Base Currency:	USD
Tenure:	4.1 Years	Expiration Date:	—	Legal Structure:	Open Ended Investment Company
Total Assets:	\$10,872.6 mil	Exchange:	NYSE ARCA	Backing Bank:	Vanguard Group Inc
Shares Outstanding:	117.15 mil	NAV:	100.42		
Type:	ETF	Prem/Discount:	0.02		

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WisdomTree US LargeCap Dividend ETF (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™
Silver ★★★★★
 05-13-2020 1,104 US Fund Large Value

Standard Index S&P 500 TR USD
Category Index Russell 1000 Value TR USD
Morningstar Cat US Fund Large Value TR USD

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-3.25	2.02	7.07	-10.83	-5.78
2019	12.37	3.60	2.90	7.71	29.03
2020	-23.03	—	—	—	-14.17
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Std Mkt 03-31-20	-11.64	—	4.83	9.59	6.41
Std NAV 03-31-20	-11.62	—	4.84	9.61	6.42
Mkt Total Ret	-4.82	5.57	6.81	10.66	7.21
NAV Total Ret	-4.77	5.58	6.81	10.66	7.22
+/- Std Index	-5.63	-3.47	-2.31	-1.03	—
+/- Cat Index	6.24	4.15	2.91	2.12	—
% Rank Cat	8	8	5	2	—
No. in Cat	1,191	1,104	953	696	—

30-day SEC Yield —

Performance Disclosure

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

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Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 866-909-9473 or visit www.wisdomtree.com.

Fees and Expenses

Fund Expenses

Management Fees %	0.28
Expense Ratio %	0.28
12b1 Expense %	NA

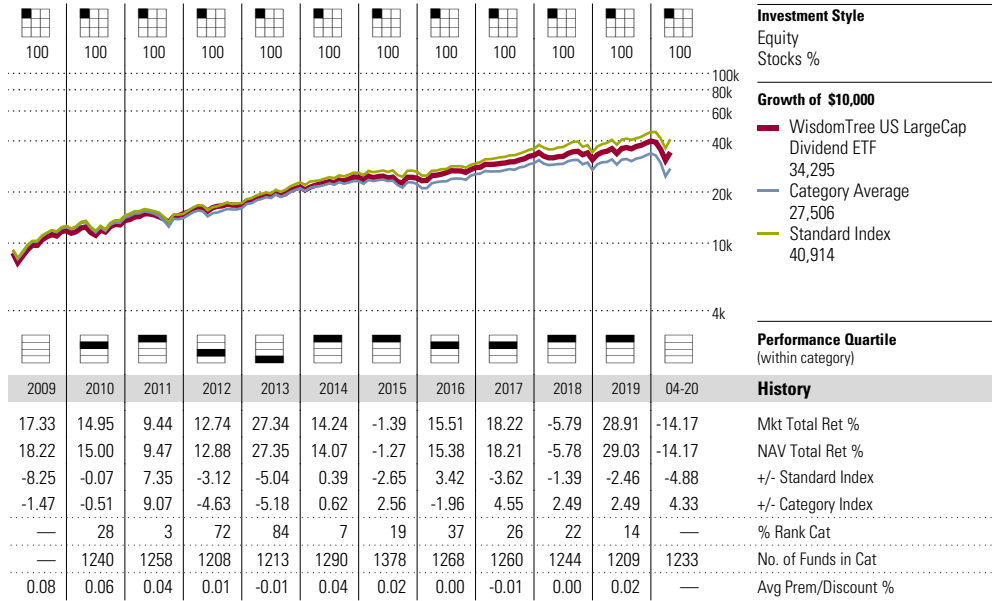
Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	5★	5★	5★
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	High	High	High
Standard Deviation NAV	16.51	14.32	12.80
Standard Deviation MKT	16.48	14.30	12.76
Mean NAV	5.58	6.81	10.66
Mean MKT	5.57	6.81	10.66
Sharpe Ratio	0.31	0.45	0.81

MPT Statistics	Standard Index	Best Fit Index
NAV	—	Russell 1000 Value TR USD
Alpha	-3.03	3.86
Beta	0.97	0.91
R-Squared	97.31	98.34
12-Month Yield	—	—
Potential Cap Gains Exp	—	—
Leveraged	—	No
Leverage Type	—	—
Leverage %	—	100.00
Primary Prospectus Benchmark	—	WisdomTree LargeCap Dividend TR USD

Operations

Family:	WisdomTree	Ticker:	DLN
Manager:	Multiple	Incept:	06-16-2006
Tenure:	12.3 Years	Expiration Date:	—
Total Assets:	\$2,070.9 mil	Exchange:	NYSE ARCA
Shares Outstanding:	23.75 mil	NAV:	90.10
Type:	ETF	Prem/Discount:	-0.02



Portfolio Analysis 05-15-2020

Asset Allocation %	Net %	Long %	Short %
Cash	0.00	0.00	0.00
US Stocks	100.00	100.00	0.00
Non-US Stocks	0.00	0.00	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	17.7	0.90	1.25		
P/C Ratio TTM	10.8	0.83	1.25		
P/B Ratio TTM	2.5	0.81	4.43		
Geo Avg Mkt Cap \$mil	116110	0.92	1.26		

Fixed-Income Style

Ltd	Mod	Ext	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price
—	—	—	—	—	—	—

Credit Quality Breakdown

	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure

	Stocks %	Rel Std Index
Americas	100.0	1.01
Greater Europe	0.0	0.00
Greater Asia	0.0	0.00

Top Holdings 05-06-2020

Share Chg since 05-2020	Share Amount	Holdings : 574 Total Stocks, 0 Total Fixed-Income, 11% Turnover Ratio	Net Assets %
+	548,858	Microsoft Corp	4.80
+	271,067	Apple Inc	4.06
+	2 mil	AT&T Inc	2.94
+	385,541	Johnson & Johnson	2.76
+	911,903	Verizon Communications Inc	2.42
+	1 mil	Exxon Mobil Corp	2.37
+	1 mil	Pfizer Inc	2.08
+	449,854	JPMorgan Chase & Co	1.91
+	433,129	AbbVie Inc	1.89
+	415,896	Chevron Corp	1.81
+	323,235	Procter & Gamble Co	1.78
+	151,094	The Home Depot Inc	1.72
+	273,248	Walmart Inc	1.63
+	468,768	Philip Morris International Inc	1.54
+	714,664	Cisco Systems Inc	1.52

Sector Weightings

	Stocks %	Rel Std Index
Cyclical	23.6	0.82
Basic Materials	1.7	0.81
Consumer Cyclical	4.8	0.47
Financial Services	12.9	0.95
Real Estate	4.2	1.45
Sensitive	40.3	0.90
Communication Services	6.7	0.62
Energy	6.8	2.25
Industrials	7.8	0.93
Technology	18.9	0.85
Defensive	36.1	1.36
Consumer Defensive	13.7	1.77
Healthcare	16.5	1.07
Utilities	5.9	1.79

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Gs Fin 1.25% 2023-06-28

Maturity: 2023

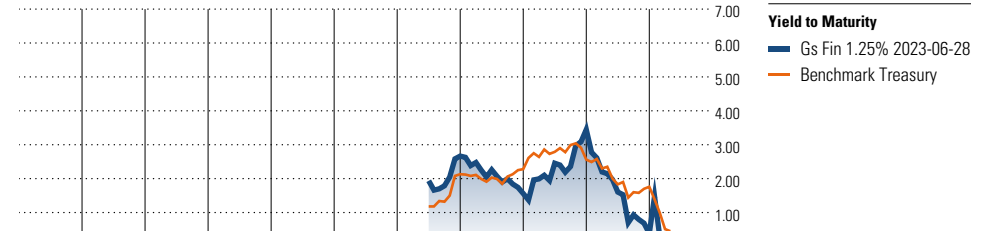
Benchmark Treasury	Sector	Price (04-30-20)	Current Yield	Effective Duration
BBgBarc US Treasury 5-7 Yr Yld USD	Unspecified	—	1.21	—

Performance 04-30-2020					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2018	-2.40	-0.87	0.78	-3.68	-6.08
2019	6.21	3.41	2.11	2.12	14.53
2020	-3.28	—	—	—	—

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Total Return	8.10	13.79	—	—	4.11
+/- Bmark Tr	6.67	11.66	—	—	0.41

Performance Disclosure

The performance data quoted represents past performance and does not guarantee future results. Current performance may be lower or higher than return data quoted herein.



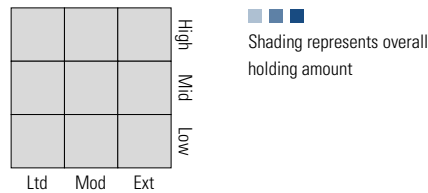
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	04-20	History
—	—	—	—	—	—	2.67	1.56	3.45	0.38	0.28	Yield to Maturity
—	—	—	—	—	—	2.13	2.28	2.56	1.76	0.45	Treasury Yield
—	—	—	—	—	—	0.54	-0.72	0.89	-1.38	-0.17	Yield Spread
—	—	—	—	—	—	1.36	1.27	1.37	1.21	1.21	Yield
—	—	—	—	—	—	—	—	—	—	—	Yield To Call

Bond Issues

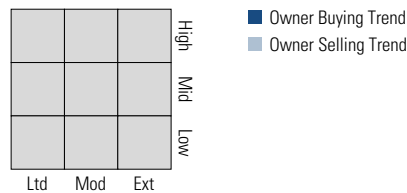
Issue Details		Issue General Information	
Amount Outstanding	190,000	Issuer	GS FINANCE CORP.
Par Value	1,000	Maturity Date	06-28-2023
Issue Size	190,000	Country	United States
Coupon	1.250%	Currency	USD
Coupon Type	Fixed	Callable	No
Coupon Frequency	Annually	Puttable	No
Day Count Basis	30/360	Convertible	No
First Payment Date	06-28-2017	Tax Status	Taxable
Accrual Start Date	06-30-2016	Rule 144a	Not subject to Rule 144A
Payment Currency	USD	Debt Ranking	Senior

Risk Exposure

Fund Owners Holding Style



Fund Owners Trading Style

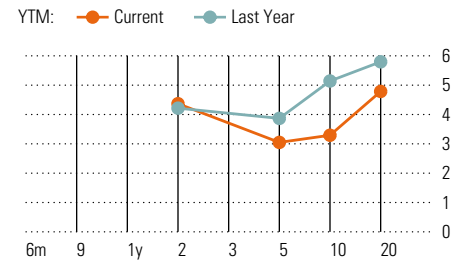


Corporate Bond

U.S. Corporate Bonds

Maturity	YTM	Last Mo	Last Yr	Spread
2 yr	4.37	3.48	4.22	—
5 yr	3.05	2.94	3.87	—
10 yr	3.29	2.91	5.14	—
20 yr	4.79	4.14	5.80	—

U.S. Corporate Bonds YTM



Company

Debt & Coverage Ratios

Debt/Assets	—
Debt/Equity	—
Current Assets/Liability	—
EBITDA/Interest	—
Debt/EBITDA	—
Cashflow Ops/Total Debt	—

Firm

Morningstar Risk Profile

Morningstar Rating*	—*
Business Risk	—
Cash-Flow Cushion	—
Solvency Score	—
Distance to Default	—

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Standardized and Tax Adjusted Returns Disclosure Statement

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end please visit <http://advisor.morningstar.com/familyinfo.asp>.

Standardized Returns assume reinvestment of dividends and capital gains. They depict performance without adjusting for the effects of taxation, but are adjusted to reflect sales charges and ongoing fund expenses.

If adjusted for taxation, the performance quoted would be significantly reduced. For variable annuities, additional expenses will be taken into account, including M&E risk charges, fund-level expenses such as management fees and operating fees, contract-level administration fees, and charges such as surrender, contract, and sales charges. The maximum redemption fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase.

After-tax returns are calculated using the highest individual federal marginal income tax rates, and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements such as 401(k) plans or an IRA. After-tax returns exclude the effects of either the alternative minimum tax or phase-out of certain tax credits. Any taxes due are as of the time the distributions are made, and the taxable amount and tax character of each distribution are as specified by the fund on the dividend declaration date. Due to foreign tax credits or realized capital losses, after-tax returns may be greater than before-tax returns. After-tax returns for exchange-traded funds are based on net asset value.

Money Market Fund Disclosures

If money market fund(s) are included in the Standardized Returns table below, each money market fund's name will be followed by a superscripted letter that links it to the applicable disclosure below:

Institutional Money Market Funds (designated by an "S"):

You could lose money by investing in the fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Government Money Market Funds that have chosen to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "L") and

Retail Money Market Funds (designated by an "L"):

You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Government Money Market Funds that have chosen not to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "N"):

You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Annualized returns 03-31-2020

Standardized Returns (%)	7-day Yield Subsidized as of date	7-day Yield Unsubsidized as of date	1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Max Redemption %
BMO Core Plus Bond I	—	—	5.63	3.21	4.78	5.59	12-22-2008	NA	NA	0.33	0.33	NA
BNY Mellon International Stock Fund I	—	—	-1.02	5.46	5.40	4.33	12-29-2006	NA	NA	0.91	0.91	NA
Calamos Market Neutral Income I	—	—	-0.25	2.97	3.61	4.27	05-10-2000	NA	NA	1.01	1.01	NA
Federated Short-Interm Ttl Ret Bd Instl	—	—	4.54	2.29	2.88	3.79	09-02-2005	NA	NA	0.38 ¹	0.53	NA
Goldman Sachs Core Fixed Income Inv	—	—	7.35	3.09	3.92	3.70	11-30-2007	NA	NA	0.47 ²	0.61	NA
Hartford Core Equity Y	—	—	-5.11	7.21	11.61	6.61	04-30-1998	NA	NA	0.46 ³	0.49	NA
Invesco QQQ Trust-NAV	—	—	6.83	13.58	15.93	7.13	03-10-1999	NA	NA	0.20	0.20	NA

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Annualized returns 03-31-2020													
Standardized Returns (%)	7-day Yield Subsidized as of date	7-day Yield Unsubsidized as of date	1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Redemption %	Max
Invesco QQQ Trust-Market	—	—	6.88	13.57	15.92	7.12	03-10-1999	NA	NA	0.20	0.20	NA	NA
Janus Henderson Enterprise I	—	—	-12.83	6.89	11.67	14.14	07-06-2009	NA	NA	0.75	0.75	NA	NA
PGIM Global Total Return Z	—	—	0.38	3.30	4.40	4.91	03-17-1997	NA	NA	0.63 ⁴	0.68	NA	NA
Vanguard Small-Cap Value ETF-NAV	—	—	-29.48	-2.04	6.18	5.74	01-26-2004	NA	NA	0.07	0.07	NA	NA
Vanguard Small-Cap Value ETF-Market	—	—	-29.60	-2.09	6.16	5.73	01-26-2004	NA	NA	0.07	0.07	NA	NA
WisdomTree US LargeCap Dividend ETF-NAV	—	—	-11.62	4.84	9.61	6.42	06-16-2006	NA	NA	0.28	0.28	NA	NA
WisdomTree US LargeCap Dividend ETF-Market	—	—	-11.64	4.83	9.59	6.41	06-16-2006	NA	NA	0.28	0.28	NA	NA
BBgBarc Global Aggregate TR USD			4.20	2.64	2.47	—	01-01-1990						
BBgBarc US Agg Bond TR USD			8.93	3.36	3.88	—	01-03-1980						
BBgBarc US Credit TR USD			5.10	3.28	4.75	—	12-29-1972						
BBgBarc US Govt/Credit 1-3 Yr TR USD			4.53	1.90	1.62	—	01-30-1976						
BBgBarc US Universal TR USD			7.15	3.35	4.05	—	12-31-1998						
JPM EMBI Global Diversified TR USD			-6.84	2.82	4.94	—	07-30-1999						
Morningstar US Consumr Cyclical TR USD			-13.33	5.73	—	—	12-20-2010						
Morningstar US Mid Cap TR USD			-17.50	2.63	9.30	—	07-03-2002						
Morningstar US Small Val TR USD			-35.66	-5.68	4.15	—	07-03-2002						
MSCI ACWI Ex USA Growth NR USD			-7.31	2.10	3.91	—	01-01-2001						
MSCI ACWI Ex USA NR USD			-15.57	-0.64	2.05	—	01-01-2001						
MSCI EAFE Growth NR USD			-5.84	2.47	4.71	—	12-31-1974						
MSCI EAFE NR USD			-14.38	-0.62	2.72	—	03-31-1986						
Russell 1000 Growth TR USD			0.91	10.36	12.97	—	12-31-1978						
Russell 1000 TR USD			-8.03	6.22	10.39	—	12-31-1978						
Russell 1000 Value TR USD			-17.17	1.90	7.67	—	12-31-1978						
Russell 2000 Value TR USD			-29.64	-2.42	4.79	—	12-31-1978						
Russell Mid Cap Growth TR USD			-9.45	5.61	10.89	—	12-31-1985						
S&P 500 TR USD			-6.98	6.73	10.53	—	09-11-1989						
USTREAS T-Bill Auction Ave 3 Mon			1.82	1.16	0.62	—	02-28-1941						

1. Non-contractual waiver; Expires 12-01-2020
2. Contractual waiver; Expires 07-29-2020
3. Contractual waiver; Expires 02-28-2021
4. Contractual waiver; Expires 02-28-2021

Return after Tax (%)	On Distribution					On Distribution and Sales of Shares				
	1Yr	5Yr	10Yr	Since Inception	Inception Date	1Yr	5Yr	10Yr	Since Inception	
BMO Core Plus Bond I	4.24	1.83	3.23	4.03	12-22-2008	3.33	1.83	3.08	3.76	
BNY Mellon International Stock Fund I	-1.77	5.07	5.07	4.04	12-29-2006	-0.25	4.23	4.30	3.45	
Calamos Market Neutral Income I	-0.94	1.85	2.66	2.74	05-10-2000	-0.14	1.89	2.48	2.75	
Federated Short-Interm Ttl Ret Bd Instl	3.56	1.31	1.87	2.52	09-02-2005	2.68	1.31	1.79	2.45	
Goldman Sachs Core Fixed Income Inv	5.82	1.90	2.83	2.49	11-30-2007	4.33	1.83	2.57	2.35	
Hartford Core Equity Y	-5.87	6.25	10.81	6.06	04-30-1998	-2.61	5.44	9.39	5.37	
Invesco QQQ Trust-NAV	6.46	13.25	15.51	6.90	03-10-1999	4.04	10.78	13.34	5.95	
Janus Henderson Enterprise I	-13.76	5.92	10.80	13.32	07-06-2009	-6.64	5.33	9.59	11.89	
PGIM Global Total Return Z	-1.77	1.59	2.46	2.60	03-17-1997	0.60	1.82	2.60	2.79	
Vanguard Small-Cap Value ETF-NAV	-30.03	-2.72	5.47	5.11	01-26-2004	-17.27	-1.63	4.78	4.54	
WisdomTree US LargeCap Dividend ETF-NAV	-12.46	3.96	8.59	5.41	06-16-2006	-6.59	3.56	7.46	4.77	

Disclosure for Risk/Reward Graph

General Disclosures

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The information contained in this report is from the most recent information available to Morningstar as of the release date, and may or may not be an accurate reflection of the current composition of the securities included in the portfolio. There is no assurance that the weightings, compositions, and ratios will remain the same.

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Comparison of Fund Types

Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publically-offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

A closed-end fund is an investment company, which typically makes one public offering of a fixed number of shares. Thereafter, shares are traded on a secondary market. As a result, the secondary market price may be higher or lower than the closed-end fund's net asset value (NAV). If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Closed-end funds may also have 12b-1 fees. Income distributions and capital gains of the closed-end fund are subject to income tax, if held in a taxable account.

An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price that may be higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally

considered to be more tax-efficient when compared to similarly invested mutual funds.

Holding company depository receipts (HOLDRs) are similar to ETFs, but they focus on narrow industry groups. HOLDRs initially own 20 stocks, which are unmanaged, and can become more concentrated due to mergers, or the disparate performance of their holdings. HOLDRs can only be bought in 100-share increments. Investors may exchange shares of a HOLDR for its underlying stocks at any time.

A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net asset value minus a deferred sales charge, and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Comparison of Other Security Types

A bond is a debt security. When an investor purchases a bond, the purchase amount is lent to a government, municipality, corporation or other entity known as an issuer. The issuer promises to pay a specified rate of interest during the life of the bond and repay the face value of the bond when it matures. U.S. Treasuries can be purchased directly from the Treasury or through a brokerage firm. Most other newly issued bonds are offered through an underwriter. Older bonds are traded throughout the day on the secondary market and can be purchased through a brokerage firm, who will charge transaction fees and commission for the purchase or sale. Price evaluations are provided by Interactive Data Corporation (IDC).

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Securities and Advisory Services Offered Through LPL Financial - A Registered Investment Advisor, Member FINRA / SIPC

A commingled pool or collective investment trust (CIT) is a product where assets from several accounts are pooled and managed together. This strategy reduces management and administrative costs. Typically a collection of participants with the same strategy is pooled together.

Insurance group separate accounts (IGSA) are unregistered group annuities, primarily used in 401(k) qualified, but also 403(b) and 457 retirement plans. They are segregated (usually pooled) investment portfolios, separate from the general investment portfolios established by life insurance companies. These products are regulated by state insurance boards, but not the SEC.

A separate account (SA) is an investment portfolio of securities that follows a defined strategy and is managed by a professional money manager. SAs are unregistered investment vehicles. The security holdings in the SA's portfolio are directly owned by the investor, have their own cost basis, and can be customized to the investor. SA account management fees charged by the money manager are typically negotiable. SA investors generally have to meet a minimum initial investment amount. When calculating the fees and expenses for a SA, Morningstar calculates the weighted average of the expense ratios of the underlying investments that make it up, based on the most recent SA information received by Morningstar. This calculation includes those securities that have a prospectus expense ratio, such as mutual funds and ETFs. If the SA includes other SAs, collective investment trusts, unit investment trusts, or other complex products without a prospectus expense ratio, the SA Underlying Expense Ratio will not be calculated. The SA Underlying Expense Ratio is a snapshot of the most current SA information received by Morningstar and does not reflect differences in the underlying investment portfolio over time.

A stock is an ownership interest in a company. When an investor purchases a stock, they become a business owner, and the value of their ownership stake will rise and fall according to the underlying business. Stockholders are entitled to the profits, if any, generated by the company after everyone else – employees, vendors, lenders – get paid. Companies usually pay out their profits to investors in the form of dividends, or they reinvest the money back into the business. Stocks trade on exchanges throughout the day, through a brokerage firm who will charge a commission for the purchase or sale of shares. Income distributions and capital gains of the stock are subject to income tax upon their sale, if held in a taxable account.

Variable annuities are tax-deferred investments structured to convert a sum of money into a series of payments over time. Variable annuity policies have limitations and are not viewed as short-term liquid investments. An insurance company's fulfillment of a commitment to pay a minimum death benefit, a schedule of payments, a fixed investment account guaranteed by the insurance company, or another form of guarantee depends on the claims-paying ability of the issuing insurance company. Any such guarantee does not affect or apply to the investment return or principal value of the separate account and its subaccount. The financial ratings quoted for an insurance company do not apply to the separate account and its subaccount. The insurance company offering a variable life contract will charge several fees to investors, including annual contract charges that compensate the insurance company for the cost of maintaining and administering the variable life contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable life investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable annuity subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Before investing, an investor should consider whether the investor's or designated beneficiary's home state offers any state tax or other state benefits such as financial aid, scholarship funds, and protection from creditors that are only available for investments in such state's 529 qualified tuition program.

Expense Ratio %

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

The return plotted in the graph is mean geometric return. Standard deviation is a statistical measure of the volatility of the security's or portfolio's returns in relation to the mean return. The larger the standard deviation, the greater the volatility of return in relation to the mean return.

General Performance Disclosure

The Performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares and/or units when redeemed may be worth more or less than the original investment. Securities in this report are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution.

Total Return/Non Load-Adjusted Return

Total return (also called "Non Load-Adjusted Return" in some reports) reflects performance without adjusting for sales charges or the effects of taxation, but is adjusted to reflect all actual ongoing fund expenses, and assumes reinvestment of dividends and capital gains. It is the return an investor would have experienced if the security was held throughout the period. If adjusted for sales charges and the effects of taxation, the performance quoted would be significantly reduced.

For mutual funds, the analysis in this report may be based, in part, on historical returns for periods prior to the historical performance of the fund's oldest share class, adjusted to reflect the fees and expenses of this share class. While the inclusion of preinception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can provide only an approximation of that behavior. For example, the fee structures between a retail share class will vary from that of an institutional share class, as retail share classes tend to have higher operating expense and sales charges. These adjusted historical returns are not actual returns. Calculation methodologies utilized by Morningstar may differ from those provided by other entities, including the fund itself. If mutual fund preinception data is included in this report, this data will be represented in the report in italics.

For variable annuity and variable life subaccounts, total return reflects the investment experience of a subaccount since its inception, and extended to the performance history of the underlying insurance fund. Total returns are adjusted to reflect fees & expenses, such as M&E charges, administrative fees, contract charges, fund-level expenses such as management fees and operating fees. Return is not adjusted to reflect front-end loads or surrender fees. It reflects the return that would be earned by an investor who held the security through the period shown, but did not buy at the beginning or sell at the end. If adjusted for the effects of loads, surrender fees, and taxation, the subaccount returns would be significantly reduced. When subaccount returns reflect pre-inception data, it

will be represented in italics.

All separate account performance data is reported as a "composite" of similarly managed portfolios. As such, investors in the same separate account may have slightly different portfolio holdings because each investor has customized account needs, tax considerations and security preferences. The method for calculating composite returns can vary.

The composite performance for each separate account manager may differ from actual returns in specific client accounts during the same period for a number of reasons. Different separate account managers may use different methods in constructing or computing performance figures. Thus, performance and risk figures for different separate account managers may not be fully comparable to each other. Likewise, performance and risk information of certain separate account managers may include only composites of larger accounts, which may or may not have more holdings, different diversification, different trading patterns and different performance than smaller accounts with the same strategy.

Finally, composite performance of the separate account offered by the money manager may or may not reflect the reinvestment of dividends and capital gains.

Gross returns are collected on a monthly and quarterly basis for separate accounts and commingled pools. This information is collected directly from the asset management firm running the product(s). Morningstar calculates total returns, using the raw data (gross monthly and quarterly returns), collected from these asset management firms.

The performance data reported by the separate account managers will not represent actual performance net of management fees, brokerage commissions or other expenses. Management fees as well as other expenses a client may incur will reduce individual returns for that client. Because fees are deducted regularly, the compounding effect will be to increase the impact of the fee deduction on gross account performance by a greater percentage than that of the annual fee charged. For example, if an account is charged a 1% management fee per year and has gross performance of 12% during that same period, the compounding effect of the quarterly fee assessments will result in an actual return of approximately 10.9%. Clients should refer to the disclosure document of the separate account manager and their advisor for specific information regarding fees and expenses.

For closed-end funds, total return reflects month-end performance without adjusting for the effects of taxation or brokerage commissions, but is adjusted to reflect all ongoing fund expenses. If adjusted, the effects of taxation and commissions would reduce the performance quoted. Market return and NAV return are both presented. Market return provides a good representation of investor experience, whereas NAV return provides a good measure of manager experience. Return assumes reinvestment of dividends and capital gains.

For ETFs and HOLDRs, total return reflects month-end performance without adjusting for brokerage commissions and the effects of taxation, but is adjusted to reflect all actual ongoing ETF fund expenses. If adjusted, the effects of brokerage commissions and taxation would reduce the performance quoted. Market return and NAV return are both presented. Market return provides a good representation of investor experience, whereas NAV return provides a good measure of manager experience. Return assumes reinvestment of dividends and capital gains.

529 Portfolio total return data is collected in one of two ways: the 529 plan provides it or Morningstar calculates it based on the underlying holdings of the 529 portfolio.

When collected from the 529 plan, total return reflects performance without adjusting for sales charges or the effects of taxation, but is adjusted to reflect all actual ongoing fund expenses and assumes reinvestment of dividends and capital gains. If adjusted for sales charges and the effects of taxation, the performance quoted would be reduced.

If the 529 plan only supplies Morningstar with the underlying holdings, Morningstar will calculate the performance of the 529 portfolio based on its underlying holdings. Most of the holdings will be investments that Morningstar tracks such as mutual funds and equities. If, however, there is a holding type for which Morningstar does not have data (for example, bonds, cash, money markets, etc.) then the total return calculated will be a weighted average of the holdings for which we have return data. All other underlying holdings will be classified as "other" and will not factor into the total return calculations. When Morningstar calculates the total return based on the underlying holdings, adjusted historical returns are never used in the calculations.

Variable Life Return

Please refer to the hypothetical illustration in the prospectus which, among other things, shows the effect that fees and charges have on performance. We urge investors to obtain a personalized illustration that reflects the costs of insurance protection.

Risk/Reward Graph

The graph plots the return and risk (measured by standard deviation) for a selection of securities and a benchmark index for the trailing period identified in the report. The table beneath the graph identifies the specific risk and return plot points for the graphed securities and the benchmark index.

The returns noted for a security reflect any sales charges that were applied in the illustration over the time period selected, but do not reflect impacts of taxation. If impacts of taxation were reflected, the returns would be lower than those indicated in the report.

The return plotted in the graph is mean geometric return. Standard deviation is a statistical measure of the volatility of the security's or portfolio's returns in relation to the mean return. The larger the standard deviation, the greater the volatility of return in relation to the mean return.

Mutual Fund Detail Report Disclosure Statement

The Mutual Fund Detail Report is supplemental sales literature, and therefore must be preceded or accompanied by the mutual fund's current prospectus or an equivalent statement. Please read this information carefully. In all cases, this disclosure statement should accompany the Mutual Fund Detail Report. Morningstar is not itself a FINRA-member firm.

All data presented is based on the most recent information available to Morningstar as of the release date and may or may not be an accurate reflection of current data for securities included in the fund's portfolio. There is no assurance that the data will remain the same.

Unless otherwise specified, the definition of "funds" used throughout this Disclosure Statement includes closed-end funds, exchange-traded funds, grantor trusts, index mutual funds, open-ended mutual funds, and unit investment trusts. It does not include exchange-traded notes or exchange-traded commodities.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Risk measures (such as alpha, beta, r-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a three-year history.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

Comparison of Fund Types

Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publically-offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

A closed-end fund is an investment company, which typically makes one public offering of a fixed number of shares. Thereafter, shares are traded on a secondary market. As a result, the secondary market price may be higher or lower than the closed-end fund's net asset value (NAV). If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Closed-end funds may also have 12b-1 fees. Income distributions and capital gains of the closed-end fund are subject to income tax, if held in a taxable account.

An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price that may be higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

Holding company depository receipts (HOLDRs) are similar to ETFs, but they

focus on narrow industry groups. HOLDRs initially own 20 stocks, which are unmanaged, and can become more concentrated due to mergers, or the disparate performance of their holdings. HOLDRs can only be bought in 100-share increments. Investors may exchange shares of a HOLDR for its underlying stocks at any time.

A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net asset value minus a deferred sales charge, and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Performance

The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares, when sold, may be worth more or less than the original investment. Fund portfolio statistics change over time. Funds are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution.

Morningstar calculates after-tax returns using the highest applicable federal marginal income tax rate plus the investment income tax and Medicare surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% Medicare surcharge, or 41.7%. This rate changes periodically in accordance with changes in federal law.

Pre-Inception Returns

The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses in the Report Share Class, we do not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance Methodology.

When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

12b1 Expense %

A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often used as a commission to brokers for selling the fund. The amount of the fee is taken from a fund's returns.

Alpha

Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The "Other" category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the fund against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the fund's managers are buying and how they are positioning the fund's portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the fund's exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security's price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most fund portfolios hold fairly conventional securities, such as long positions in

equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart's generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of fund holdings are material. Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of fund holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.)

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

Average Effective Duration

Duration is a time measure of a bond's interest-rate sensitivity. Average effective duration is a weighted average of the duration of the fixed-income securities within a portfolio.

Average Effective Maturity

Average Effective Maturity is a weighted average of the maturities of all bonds in a portfolio.

Average Weighted Coupon

A coupon is the fixed annual percentage paid out on a bond. The average weighted coupon is the asset-weighted coupon of each bond in the portfolio.

Average Weighted Price

Average Weighted Price is the asset-weighted price of bonds held in a portfolio, expressed as a percentage of par (face) value. This number reveals if the portfolio favors bonds selling at prices above or below par value (premium or discount securities respectively.)

Best Fit Index

Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

Beta

Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

Credit Quality Breakdown

Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

Deferred Load %

The back-end sales charge or deferred load is imposed when an investor redeems shares of a fund. The percentage of the load charged generally declines the longer the fund's shares are held by the investor. This charge, coupled with 12b-1 fees, commonly serves as an alternative to a traditional front-end load.

Expense Ratio %

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Front-end Load %

The initial sales charge or front-end load is a deduction made from each investment in the fund and is generally based on the amount of the investment.

Geometric Average Market Capitalization

Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

Growth of 10,000

For funds, this graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. The total returns are not adjusted to reflect sales charges or the effects of taxation but are adjusted to reflect actual ongoing fund expenses, and they assume reinvestment of dividends and capital gains. If adjusted, effects of sales charges and taxation would reduce the performance quoted. If pre-inception data is included in the analysis, it will be graphed.

The index in the Growth of 10,000 graph is an unmanaged portfolio of specified securities and cannot be invested in directly. The index does not reflect any initial or ongoing expenses. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

Management Fees %

The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

Maximum Redemption Fee %

The Maximum Redemption Fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase (for example, 30, 180, or 365 days).

Mean

Mean is the annualized geometric return for the period shown.

Morningstar Analyst Rating™

Effective October 31, 2019, Morningstar updated its Morningstar Analyst Rating™ methodology. For any Morningstar Analyst Rating published on or prior to October 31, 2019, the following disclosure applies:

The Morningstar Analyst Rating™ is not a credit or risk rating. It is a subjective evaluation performed by Morningstar's manager research group, which consists

of various Morningstar, Inc. subsidiaries ("Manager Research Group"). In the United States, that subsidiary is Morningstar Research Services LLC, which is registered with and governed by the U.S. Securities and Exchange Commission. The Manager Research Group evaluates funds based on five key pillars, which are process, performance, people, parent, and price. The Manager Research Group uses this five pillar evaluation to determine how they believe funds are likely to perform relative to a benchmark, or in the case of exchange-traded funds and index mutual funds, a relevant peer group, over the long term on a risk-adjusted basis. They consider quantitative and qualitative factors in their research, and the weight of each pillar may vary. The Analyst Rating scale is Gold, Silver, Bronze, Neutral, and Negative. A Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's conviction in a fund's prospects for outperformance. Analyst Ratings ultimately reflect the Manager Research Group's overall assessment, are overseen by an Analyst Rating Committee, and are continuously monitored and reevaluated at least every 14 months. For more detailed information about Morningstar's Analyst Rating, including its methodology, please go to global.morningstar.com/managerdisclosures/.

The Morningstar Analyst Rating (i) should not be used as the sole basis in evaluating a fund, (ii) involves unknown risks and uncertainties which may cause the Manager Research Group's expectations not to occur or to differ significantly from what they expected, and (iii) should not be considered an offer or solicitation to buy or sell the fund.

For any Morningstar Analyst Rating published after October 31, 2019, the following disclosure applies:

The Morningstar Analyst Rating™ is not a credit or risk rating. It is a subjective evaluation performed by Morningstar's manager research group, which consists of various Morningstar, Inc. subsidiaries ("Manager Research Group"). In the United States, that subsidiary is Morningstar Research Services LLC, which is registered with and governed by the U.S. Securities and Exchange Commission. The Manager Research Group evaluates funds based on five key pillars, which are process, performance, people, parent, and price. The Manager Research Group uses this five-pillar evaluation to determine how they believe funds are likely to perform relative to a benchmark over the long term on a risk adjusted basis. They consider quantitative and qualitative factors in their research. For actively managed strategies, people and process each receive a 45% weighting in their analysis, while parent receives a 10% weighting. For passive strategies, process receives an 80% weighting, while people and parent each receive a 10% weighting. For both active and passive strategies, performance has no explicit weight as it is incorporated into the analysis of people and process; price at the share-class level (where applicable) is directly subtracted from an expected gross alpha estimate derived from the analysis of the other pillars. The impact of the weighted pillar scores for people, process and parent on the final Analyst Rating is further modified by a measure of the dispersion of historical alphas among relevant peers. For certain peer groups where standard benchmarking is not applicable, primarily peer groups of funds using alternative investment strategies, the modification by alpha dispersion is not used.

For active funds, a Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that an active fund will be able to deliver positive alpha net of fees relative to the standard benchmark index assigned to the Morningstar category. The level of the rating relates to the level of expected positive net alpha relative to Morningstar category peers for active funds. For passive funds, a Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that a fund will be able to deliver a higher alpha net of fees than the lesser of the relevant Morningstar category median or 0. The level of the rating relates to the level of expected net alpha relative to Morningstar category peers for passive funds. For certain peer groups where standard benchmarking is not applicable, primarily peer groups of

funds using alternative investment strategies, a Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that a fund will deliver a weighted pillar score above a predetermined threshold within its peer group. Analyst Ratings ultimately reflect the Manager Research Group's overall assessment, are overseen by an Analyst Rating Committee, and are continuously monitored and reevaluated at least every 14 months.

For more detailed information about Morningstar's Analyst Rating, including its methodology, please go to <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx>

The Morningstar Analyst Rating (i) should not be used as the sole basis in evaluating a fund, (ii) involves unknown risks and uncertainties which may cause the Manager Research Group's expectations not to occur or to differ significantly from what they expected, and (iii) should not be considered an offer or solicitation to buy or sell the fund.

Morningstar Quantitative Rating™

Morningstar's quantitative fund ratings consist of: (i) Morningstar Quantitative Rating (overall score), (ii) Quantitative Parent pillar, (iii) Quantitative People pillar, and (iv) Quantitative Process pillar (collectively the "Quantitative Fund Ratings"). The Quantitative Fund Ratings are calculated monthly and derived from the analyst-driven ratings of a fund's peers as determined by statistical algorithms. Morningstar, Inc. calculates Quantitative Fund Ratings for funds when an analyst rating does not exist as part of its qualitative coverage.

- Morningstar Quantitative Rating:** Intended to be comparable to Morningstar's Analyst Ratings for open-end funds and ETFs, which is the summary expression of Morningstar's forward-looking analysis of a fund. The Morningstar Analyst Rating is based on the analyst's conviction in the fund's ability to outperform its peer group and/or relevant benchmark on a risk-adjusted basis over a full market cycle of at least 5 years. Ratings are assigned on a five-tier scale with three positive ratings of Gold, Silver, and Bronze, a Neutral rating, and a Negative rating. Morningstar calculates the Morningstar Quantitative Rating using a statistical model derived from the Morningstar Analyst Rating our fund analysts assign to open-end funds and ETFs. Please go to <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx> for information about Morningstar Analyst Rating Morningstar's fund analysts assign to funds.
- Quantitative Parent pillar:** Intended to be comparable to Morningstar's Parent pillar scores, which provides Morningstar's analyst opinion on the stewardship quality of a firm. Morningstar calculates the Quantitative Parent pillar using an algorithm designed to predict the Parent Pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), Low (1).
- Quantitative People pillar:** Morningstar's People pillar scores, which provides Morningstar's analyst opinion on the fund manager's talent, tenure, and resources. Morningstar calculates the Quantitative People pillar using an algorithm designed to predict the People pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), Low (1).

- Quantitative Process Pillar:** Intended to be comparable to Morningstar's Process pillar scores, which provides Morningstar's analyst opinion on the fund's strategy and whether the management has a competitive advantage enabling it to execute the process and consistently over time. Morningstar calculates the Quantitative Process pillar using an algorithm designed to predict the Process pillar score our fund analysts would assign to

the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), and Low (1).

Morningstar Quantitative Ratings **have not been made available** to the issuer of the security prior to publication.

Risk Warning

The quantitative fund ratings are not statements of fact. Morningstar does not guarantee the completeness or accuracy of the assumptions or models used in determining the quantitative fund ratings. In addition, there is the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, and tax rate. For investments in foreign markets there are further risks, generally based on exchange rate changes or changes in political and social conditions. A change in the fundamental factors underlying the quantitative fund ratings can mean that the recommendation is subsequently no longer accurate.

For more information about Morningstar's quantitative methodology, please visit <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx>

Morningstar Category

Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

Morningstar Rank

Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

Morningstar Rating™

The Morningstar Rating™ for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to global.morningstar.com/managerdisclosures

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison

with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Risk

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Style Box™

The Morningstar Style Box™ reveals a fund's investment strategy as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened square in the style box indicates the weighted average style of the portfolio.

For fixed-income funds, the vertical axis shows the credit quality of the long bonds owned and the horizontal axis shows interest-rate sensitivity as measured by a bond's effective duration. Morningstar seeks credit rating information from fund companies on a periodic basis (for example, quarterly). In compiling credit rating information, Morningstar accepts credit ratings reported by fund companies that have been issued by all Nationally Recognized Statistical Rating Organizations. For a list of all NRSROs, please visit <http://www.sec.gov/divisions/marketreg/ratingagency.htm>. Additionally, Morningstar accepts foreign credit ratings from widely recognized or registered rating agencies. If two rating organizations/agencies have rated a security, fund companies are to report the lower rating; if three or more organizations/agencies have rated a security, fund companies are to report the median rating; and in cases where there are more than two organization/agency ratings and a median rating does not exist, fund companies are to use the lower of the two middle ratings.

Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. NRSRO or rating agency ratings can change from time to time.

For credit quality, Morningstar combines the credit rating information provided by the fund companies with an average default rate calculation to come up with a weighted-average credit quality. The weighted-average credit quality is currently a letter that roughly corresponds to the scale used by a leading NRSRO. Bond funds are assigned a style box placement of "low," "medium," or "high" based on their average credit quality. Funds with a "low" credit quality are those whose weighted-average credit quality is determined to be less than "BBB-"; "medium" are those less than "AA-", but greater or equal to "BBB-"; and "high" are those with a weighted-average credit quality of "AA-" or higher. When classifying a bond portfolio, Morningstar first maps the NRSRO credit ratings of the underlying holdings to their respective default rates (as determined by Morningstar's analysis of actual historical default rates).

Morningstar then averages these default rates to determine the average default rate for the entire bond fund. Finally, Morningstar maps this average default rate to its corresponding credit rating along a convex curve.

For interest-rate sensitivity, Morningstar obtains from fund companies the average effective duration. Generally, Morningstar classifies a fixed-income fund's interest-rate sensitivity based on the effective duration of the Morningstar Core Bond Index, which is currently three years. The classification of Limited will be assigned to those funds whose average effective duration is between 25% to 75% of MCBI's average effective duration; funds whose average effective duration is between 75% to 125% of the MCBI will be classified as Moderate; and those that are at 125% or greater of the average effective duration of the MCBI will be classified as Extensive.

For municipal-bond funds, Morningstar also obtains from fund companies the average effective duration. In these cases, static breakpoints are used. These breakpoints are as follows: (i) Limited: 4.5 years or less; (ii) Moderate: more than 4.5 years but less than 7 years; and (iii) Extensive: more than 7 years. In addition, for non-U.S. taxable and non-U.S. domiciled fixed-income funds, static duration breakpoints are used: (i) Limited: less than or equal to 3.5 years; (ii) Moderate: more than 3.5 years but less than or equal to 6 years; (iii) Extensive: more than 6 years.

Interest-rate sensitivity for non-U.S. domiciled funds (excluding funds in convertible categories) may be measured with modified duration when effective duration is not available.

P/B Ratio TTM

The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

P/C Ratio TTM

The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

P/E Ratio TTM

The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Percentile Rank in Category

Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

Performance Quartile

Performance Quartile reflects a fund's Morningstar Rank.

Potential Capital Gains Exposure

Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

Quarterly Returns

Quarterly Return is calculated applying the same methodology as Total Return except it represents return through each quarter-end.

R-Squared

R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

Regional Exposure

The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

Sector Weightings

Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

Share Change

Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

Sharpe Ratio

Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

Standard Deviation

Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

Standardized Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experience if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges.

Total Return

Total Return, or "Non Load-Adjusted Return", reflects performance without adjusting for sales charges (if applicable) or the effects of taxation, but it is adjusted to reflect all actual ongoing security expenses and assumes reinvestment of dividends and capital gains. It is the return an investor would have experienced if the fund was held throughout the period. If adjusted for sales charges and the effects of taxation, the performance quoted would be significantly reduced.

Total Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

Trailing Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experienced if the fund was purchased at the beginning of the period and sold at the end, incurring transaction charges.

Load-Adjusted Monthly Return is calculated applying the same methodology as Standardized Return, except that it represents return through month-end. As with Standardized Return, it reflects the impact of sales charges and ongoing fund expenses, but not taxation. If adjusted for the effects of taxation, the performance quoted would be significantly different.

Trailing Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

ETF Detail Report Disclosure Statement

The Exchange-Traded Fund (ETF) Detail Report is supplemental sales literature, and therefore must be preceded or accompanied by the mutual fund's current prospectus or an equivalent statement. Please read this information carefully. In all cases, this disclosure statement should accompany the ETF Detail Report. Morningstar is not itself a FINRA-member firm. All data presented is based on the most recent information available to Morningstar as of the release date and may or may not be an accurate reflection of current data for securities included in the fund's portfolio. There is no assurance that the data will remain the same.

Unless otherwise specified, the definition of "funds" used throughout this Disclosure Statement includes closed-end funds, exchange-traded funds, grantor trusts, index mutual funds, open-ended mutual funds, and unit investment trusts. It does not include exchange-traded notes or exchange-traded commodities.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Risk measures (such as alpha, beta, r-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a

three-year history.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

Comparison of Fund Types

Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publically-offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

A closed-end fund is an investment company, which typically makes one public offering of a fixed number of shares. Thereafter, shares are traded on a secondary market. As a result, the secondary market price may be higher or lower than the closed-end fund's net asset value (NAV). If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Closed-end funds may also have 12b-1 fees. Income distributions and capital gains of the closed-end fund are subject to income tax, if held in a taxable account.

An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price that may be higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

Holding company depository receipts (HOLDRs) are similar to ETFs, but they focus on narrow industry groups. HOLDRs initially own 20 stocks, which are unmanaged, and can become more concentrated due to mergers, or the disparate performance of their holdings. HOLDRs can only be bought in 100-share increments. Investors may exchange shares of a HOLDR for its underlying stocks at any time.

A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities,

certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net asset value minus a deferred sales charge, and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Performance

The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares, when sold, may be worth more or less than the original investment. Fund portfolio statistics change over time. Funds are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution.

The market price noted on the ETF Detail Report is the price of the fund as of the close of trading on the last business day at month-end. This date is listed at the top of the ETF Detail Report.

Morningstar calculates after-tax returns using the highest applicable federal marginal income tax rate plus the investment income tax and Medicare surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% Medicare surcharge, or 41.7%. This rate changes periodically in accordance with changes in federal law.

12 Month Yield

12 Month Yield is derived by summing the trailing 12-months' income distributions and dividing the sum by the last month's ending NAV, plus any capital gains distributed over the same period. Income refers only to interest payments from fixed-income securities and dividend payoffs from common

stocks.

12b1 Expense %

A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often used as a commission to brokers for selling the fund. The amount of the fee is taken from a fund's returns.

30-Day SEC Yield

The 30-day SEC Yield is a calculation based on a 30-day period ending on the last day of the previous month. It is computed by dividing the net investment income per share earned during the period by the maximum offering price per share on the last day of the period. The figure listed lags by one month. When a dash appears, the yield available is more than 30 days old. This information is taken from fund surveys.

Alpha

Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The "Other" category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the fund against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the fund's managers are buying and how they are positioning the fund's portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the fund's exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security's price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most fund portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart's generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of fund holdings are material. Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of fund holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.)

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

Average Effective Duration

Duration is a time measure of a bond's interest-rate sensitivity. Average effective duration is a weighted average of the duration of the fixed-income securities within a portfolio.

Average Effective Maturity

Average Effective Maturity is a weighted average of the maturities of all bonds in a portfolio.

Average Weighted Coupon

A coupon is the fixed annual percentage paid out on a bond. The average weighted coupon is the asset-weighted coupon of each bond in the portfolio.

Average Weighted Price

Average Weighted Price is the asset-weighted price of bonds held in a portfolio, expressed as a percentage of par (face) value. This number reveals if the portfolio favors bonds selling at prices above or below par value (premium or discount securities respectively.)

Best Fit Index

Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

Beta

Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

Credit Quality Breakdown

Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

Expense Ratio %

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Geometric Average Market Capitalization

Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

Growth of 10,000

For funds, this graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. The total returns are not adjusted to

reflect sales charges or the effects of taxation but are adjusted to reflect actual ongoing fund expenses, and they assume reinvestment of dividends and capital gains. If adjusted, effects of sales charges and taxation would reduce the performance quoted. If pre-inception data is included in the analysis, it will be graphed.

The index in the Growth of 10,000 graph is an unmanaged portfolio of specified securities and cannot be invested in directly. The index does not reflect any initial or ongoing expenses. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

Management Fees %

The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

Maximum Redemption Fee %

The Maximum Redemption Fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase (for example, 30, 180, or 365 days).

Mean

Mean is the annualized geometric return for the period shown.

Morningstar Analyst Rating™

Effective October 31, 2019, Morningstar updated its Morningstar Analyst Rating™ methodology. For any Morningstar Analyst Rating published on or prior to October 31, 2019, the following disclosure applies:

The Morningstar Analyst Rating™ is not a credit or risk rating. It is a subjective evaluation performed by Morningstar's manager research group, which consists of various Morningstar, Inc. subsidiaries ("Manager Research Group"). In the United States, that subsidiary is Morningstar Research Services LLC, which is registered with and governed by the U.S. Securities and Exchange Commission. The Manager Research Group evaluates funds based on five key pillars, which are process, performance, people, parent, and price. The Manager Research Group uses this five pillar evaluation to determine how they believe funds are likely to perform relative to a benchmark, or in the case of exchange-traded funds and index mutual funds, a relevant peer group, over the long term on a risk-adjusted basis. They consider quantitative and qualitative factors in their research, and the weight of each pillar may vary. The Analyst Rating scale is Gold, Silver, Bronze, Neutral, and Negative. A Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's conviction in a fund's prospects for outperformance. Analyst Ratings ultimately reflect the Manager Research Group's overall assessment, are overseen by an Analyst Rating Committee, and are continuously monitored and reevaluated at least every 14 months. For more detailed information about Morningstar's Analyst Rating, including its methodology, please go to global.morningstar.com/managerdisclosures/.

The Morningstar Analyst Rating (i) should not be used as the sole basis in evaluating a fund, (ii) involves unknown risks and uncertainties which may cause the Manager Research Group's expectations not to occur or to differ significantly from what they expected, and (iii) should not be considered an offer or solicitation to buy or sell the fund.

For any Morningstar Analyst Rating published after October 31, 2019, the following disclosure applies:

The Morningstar Analyst Rating™ is not a credit or risk rating. It is a subjective evaluation performed by Morningstar's manager research group, which consists

of various Morningstar, Inc. subsidiaries ("Manager Research Group"). In the United States, that subsidiary is Morningstar Research Services LLC, which is registered with and governed by the U.S. Securities and Exchange Commission. The Manager Research Group evaluates funds based on five key pillars, which are process, performance, people, parent, and price. The Manager Research Group uses this five-pillar evaluation to determine how they believe funds are likely to perform relative to a benchmark over the long term on a risk adjusted basis. They consider quantitative and qualitative factors in their research. For actively managed strategies, people and process each receive a 45% weighting in their analysis, while parent receives a 10% weighting. For passive strategies, process receives an 80% weighting, while people and parent each receive a 10% weighting. For both active and passive strategies, performance has no explicit weight as it is incorporated into the analysis of people and process; price at the share-class level (where applicable) is directly subtracted from an expected gross alpha estimate derived from the analysis of the other pillars. The impact of the weighted pillar scores for people, process and parent on the final Analyst Rating is further modified by a measure of the dispersion of historical alphas among relevant peers. For certain peer groups where standard benchmarking is not applicable, primarily peer groups of funds using alternative investment strategies, the modification by alpha dispersion is not used.

For active funds, a Morningstar Analyst Rating™ of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that an active fund will be able to deliver positive alpha net of fees relative to the standard benchmark index assigned to the Morningstar category. The level of the rating relates to the level of expected positive net alpha relative to Morningstar category peers for active funds. For passive funds, a Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that a fund will be able to deliver a higher alpha net of fees than the lesser of the relevant Morningstar category median or 0. The level of the rating relates to the level of expected net alpha relative to Morningstar category peers for passive funds. For certain peer groups where standard benchmarking is not applicable, primarily peer groups of funds using alternative investment strategies, a Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that a fund will deliver a weighted pillar score above a predetermined threshold within its peer group. Analyst Ratings ultimately reflect the Manager Research Group's overall assessment, are overseen by an Analyst Rating Committee, and are continuously monitored and reevaluated at least every 14 months.

For more detailed information about Morningstar's Analyst Rating, including its methodology, please go to <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx>

The Morningstar Analyst Rating (i) should not be used as the sole basis in evaluating a fund, (ii) involves unknown risks and uncertainties which may cause the Manager Research Group's expectations not to occur or to differ significantly from what they expected, and (iii) should not be considered an offer or solicitation to buy or sell the fund.

Morningstar Quantitative Rating™

Morningstar's quantitative fund ratings consist of: (i) Morningstar Quantitative Rating (overall score), (ii) Quantitative Parent pillar, (iii) Quantitative People pillar, and (iv) Quantitative Process pillar (collectively the "Quantitative Fund Ratings"). The Quantitative Fund Ratings are calculated monthly and derived from the analyst-driven ratings of a fund's peers as determined by statistical algorithms. Morningstar, Inc. calculates Quantitative Fund Ratings for funds when an analyst rating does not exist as part of its qualitative coverage.

• **Morningstar Quantitative Rating:** Intended to be comparable to Morningstar's Analyst Ratings for open-end funds and ETFs, which is the summary expression of Morningstar's forward-looking analysis of a fund. The

Morningstar Analyst Rating is based on the analyst's conviction in the fund's ability to outperform its peer group and/or relevant benchmark on a risk-adjusted basis over a full market cycle of at least 5 years. Ratings are assigned on a five-tier scale with three positive ratings of Gold, Silver, and Bronze, a Neutral rating, and a Negative rating. Morningstar calculates the Morningstar Quantitative Rating using a statistical model derived from the Morningstar Analyst Rating our fund analysts assign to open-end funds and ETFs. Please go to <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx> for information about Morningstar Analyst Rating Morningstar's fund analysts assign to funds.

- **Quantitative Parent pillar:** Intended to be comparable to Morningstar's Parent pillar scores, which provides Morningstar's analyst opinion on the stewardship quality of a firm. Morningstar calculates the Quantitative Parent pillar using an algorithm designed to predict the Parent Pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), Low (1).

- **Quantitative People pillar:** Morningstar's People pillar scores, which provides Morningstar's analyst opinion on the fund manager's talent, tenure, and resources. Morningstar calculates the Quantitative People pillar using an algorithm designed to predict the People pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), Low (1).

- **Quantitative Process Pillar:** Intended to be comparable to Morningstar's Process pillar scores, which provides Morningstar's analyst opinion on the fund's strategy and whether the management has a competitive advantage enabling it to execute the process and consistently over time. Morningstar calculates the Quantitative Process pillar using an algorithm designed to predict the Process pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), and Low (1).

Morningstar Quantitative Ratings **have not been made available** to the issuer of the security prior to publication.

Risk Warning

The quantitative fund ratings are not statements of fact. Morningstar does not guarantee the completeness or accuracy of the assumptions or models used in determining the quantitative fund ratings. In addition, there is the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, and tax rate. For investments in foreign markets there are further risks, generally based on exchange rate changes or changes in political and social conditions. A change in the fundamental factors underlying the quantitative fund ratings can mean that the recommendation is subsequently no longer accurate.

For more information about Morningstar's quantitative methodology, please visit <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx>

Morningstar Category

Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our

proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

Morningstar Rank

Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

Morningstar Rating™

The Morningstar Rating™ for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to global.morningstar.com/managerdisclosures/.

Morningstar Return

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Risk

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Style Box™

The Morningstar Style Box™ reveals a fund's investment strategy as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long

stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened square in the style box indicates the weighted average style of the portfolio.

For fixed-income funds, the vertical axis shows the credit quality of the long bonds owned and the horizontal axis shows interest-rate sensitivity as measured by a bond's effective duration. Morningstar seeks credit rating information from fund companies on a periodic basis (for example, quarterly). In compiling credit rating information, Morningstar accepts credit ratings reported by fund companies that have been issued by all Nationally Recognized Statistical Rating Organizations. For a list of all NRSROs, please visit <http://www.sec.gov/divisions/marketreg/ratingagency.htm>. Additionally, Morningstar accepts foreign credit ratings from widely recognized or registered rating agencies. If two rating organizations/agencies have rated a security, fund companies are to report the lower rating; if three or more organizations/agencies have rated a security, fund companies are to report the median rating; and in cases where there are more than two organization/agency ratings and a median rating does not exist, fund companies are to use the lower of the two middle ratings.

Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. NRSRO or rating agency ratings can change from time to time.

For credit quality, Morningstar combines the credit rating information provided by the fund companies with an average default rate calculation to come up with a weighted-average credit quality. The weighted-average credit quality is currently a letter that roughly corresponds to the scale used by a leading NRSRO. Bond funds are assigned a style box placement of "low," "medium," or "high" based on their average credit quality. Funds with a "low" credit quality are those whose weighted-average credit quality is determined to be less than "BBB-"; "medium" are those less than "AA-", but greater or equal to "BBB-"; and "high" are those with a weighted-average credit quality of "AA-" or higher. When classifying a bond portfolio, Morningstar first maps the NRSRO credit ratings of the underlying holdings to their respective default rates (as determined by Morningstar's analysis of actual historical default rates). Morningstar then averages these default rates to determine the average default rate for the entire bond fund. Finally, Morningstar maps this average default rate to its corresponding credit rating along a convex curve.

For interest-rate sensitivity, Morningstar obtains from fund companies the average effective duration. Generally, Morningstar classifies a fixed-income fund's interest-rate sensitivity based on the effective duration of the Morningstar Core Bond Index, which is currently three years. The classification of Limited will be assigned to those funds whose average effective duration is between 25% to 75% of MCBI's average effective duration; funds whose average effective duration is between 75% to 125% of the MCBI will be classified as Moderate; and those that are at 125% or greater of the average effective duration of the MCBI will be classified as Extensive.

For municipal-bond funds, Morningstar also obtains from fund companies the average effective duration. In these cases, static breakpoints are used. These breakpoints are as follows: (i) Limited: 4.5 years or less; (ii) Moderate: more than 4.5 years but less than 7 years; and (iii) Extensive: more than 7 years. In addition, for non-U.S. taxable and non-U.S. domiciled fixed-income funds, static duration breakpoints are used: (i) Limited: less than or equal to 3.5 years; (ii) Moderate: more than 3.5 years but less than or equal to 6 years; (iii) Extensive: more than 6 years.

Interest-rate sensitivity for non-U.S. domiciled funds (excluding funds in convertible categories) may be measured with modified duration when effective duration is not available.

P/B Ratio TTM

The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

P/C Ratio TTM

The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

P/E Ratio TTM

The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Percentile Rank in Category

Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

Performance Quartile

Performance Quartile reflects a fund's Morningstar Rank.

Potential Capital Gains Exposure

Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

Quarterly Returns

Quarterly Return is calculated applying the same methodology as Total Return except it represents return through each quarter-end.

R-Squared

R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

Regional Exposure

The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

Sector Weightings

Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

Share Change

Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

Sharpe Ratio

Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

Standard Deviation

Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

Standardized Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experience if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges.

Total Return

Total Return, or "Non Load-Adjusted Return", reflects performance without adjusting for sales charges (if applicable) or the effects of taxation, but it is adjusted to reflect all actual ongoing security expenses and assumes reinvestment of dividends and capital gains. It is the return an investor would have experienced if the fund was held throughout the period. If adjusted for sales charges and the effects of taxation, the performance quoted would be significantly reduced.

Total Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

Trailing Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experienced if the fund was purchased at the beginning of the period and sold at the end, incurring transaction charges.

Load-Adjusted Monthly Return is calculated applying the same methodology as Standardized Return, except that it represents return through month-end. As with Standardized Return, it reflects the impact of sales charges and ongoing fund expenses, but not taxation. If adjusted for the effects of taxation, the performance quoted would be significantly different.

Trailing Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

Bond Detail Report Disclosure Statement

All bond issue data and price evaluations are provided by Interactive Data Corporation (IDC). All performance and yield data is derived from the IDC price evaluations. The displayed price is provided by FINRA's Trade Reporting and Compliance Engine (TRACE).

Morningstar Credit Ratings, LLC is a credit rating agency registered with the Securities and Exchange Commission as a nationally recognized statistical rating organizations ("NRSRO"). Under its NRSRO registration, Morningstar Credit Ratings issues credit ratings on financial institutions (e.g., banks), corporate issuers and asset-backed securities. While Morningstar Credit Ratings issues credit ratings on insurance companies, those ratings are not issued under its NRSRO registration. All Morningstar credit ratings and related analysis contained herein are solely statements of opinion and not statements of fact or recommendations to purchase, hold, or sell any securities or make any other investment decisions. Morningstar credit ratings and related analysis should not be considered without an understanding and review of our methodologies, disclaimers, disclosures and other important information found at www.morningstarcreditratings.com.

A bond is a debt security. When an investor purchases a bond, the purchase amount is lent to a government, municipality, corporation or other entity known as an issuer. The issuer promises to pay a specified rate of interest during the life of the bond and repay the face value of the bond when it matures.

Investment Performance

The Performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares and/or units when redeemed may be worth more or less than the original investment. Securities in this report that are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution.

For Bonds, total return represents market price fluctuations and any coupon payments over a given period of time without adjusting for sales charges or the effects of taxation.

Operations

Current Yield is the annual interest divided by the bond price.

Yield to Maturity is the annual yield assuming that the bond will be held until maturity.

Yield Spread is the difference between the yield to maturity and the treasury yield.

Yield to Call is the annual yield assuming that the bond will be held until the call date.

Benchmark Treasury is the treasury with the closest maturity date to the bond selected for comparison purposes in the yield graph, yield spread, and trailing return table.

Sector represents the company sector for corporate bonds and municipal and government bond type for municipal and government bonds respectively.

Par (or Face) Value is the principal amount.

Issue Size is the total amount of the proceeds from the sale of all securities in the offering.

Coupon is the interest rate on a bond, expressed as a percentage of the bond's face value.

Coupon Type indicates whether the bond is a fixed or floating-rate bond.

Coupon Frequency is the frequency that the interest is paid to the investor.

Day Count Basis indicates the manner in which the days in both the month and the year are to be counted for interest payments and accruals, as well as yield-to-maturity calculations. The convention for indicating day count basis is days in the month/days in the year.

First Payment Date is the date on which the first coupon payment was made.

Accrual Start Date is the date on which coupon interest began to accrue.

Rule 144A simplifies and expedites the sales of securities available for resale only to institutional buyers. Qualified mutual funds, pension plans, insurance companies and private money managers may purchase Rule 144A issues.

Debt Ranking refers to the order of repayment in the event of bankruptcy.

The Redemption Provisions section appears when the call and put schedule data is applicable and available. Only the most recent 15 call/put dates are listed (most recent 10 on the large font version).

Risk Exposure

The Morningstar fixed income style box indicates credit quality on the vertical axis and effective duration on the horizontal axis. The Fund Owners Holding Style box represents the fixed income style of funds that own the bond and the amount held. The Trading Style box represents the fixed income style of funds that are buying and selling the bond and the amounts bought and sold.

Yield Curve

The yield curve shows the relationship between the interest rates and various maturities for a set of similar bonds (Corporate, Government, or Municipal) at a given point in time (current and last year). There are three main types of yield curve shapes: normal, inverted and flat (or humped). A normal yield curve is one in which longer maturity bonds have a higher yield compared to shorter-term bonds due to the risks associated with time. An inverted yield curve is one in which the shorter-term yields are higher than the longer-term yields, which can be a sign of an upcoming recession. A flat (or humped) yield curve is one in which the shorter- and longer-term yields are very close to each other, which is also a predictor of an economic transition. The slope of the yield curve is also seen as important: the greater the slope, the greater the gap between short- and long-term rates.

Corporate Bonds

The following data points are provided at the company level:

Debt/Assets is calculated by dividing long-term debt by total assets.

Debt/Equity is calculated by dividing long-term debt by total shareholders'

equity. This figure is not provided for financial companies.

Current Assets/Liability is calculated by dividing current assets (cash, cash equivalents, accounts receivable, inventories, and other current assets that can be converted to cash within one year) by total liabilities (current liabilities and long-term debt).

EBITDA/Interest is calculated by dividing earnings before interest, taxes, depreciation and amortization by interest expenses.

Debt/EBITDA is calculated by dividing long-term debt by earnings before interest, taxes, depreciation and amortization.

Cashflow Ops/Total Debt is cash flow from operations including noncash charges and credits divided by total debt.

Morningstar Corporate Credit Rating measures the ability of a firm to satisfy its debt and debt-like obligations. The four component ratings (Business Risk, Cash-Flow Cushion, Solvency Score, Distance to Default) roll up into a single preliminary credit rating. To determine the final credit rating, a credit committee of at least five senior research personnel reviews each preliminary rating. Credit ratings are reviewed on a regular basis and as events warrant.

The scoring breakdown is:

AAA = Extremely Low Default Risk

AA = Very Low Default Risk

A = Low Default Risk

BBB = Moderate Default Risk

BB = Above Average Default Risk

B = High Default Risk

CCC = Currently Very High Default Risk

CC = Currently Extreme Default Risk

C = Imminent Payment Default

D = Payment Default

SUS = Suspended

A plus designation indicates that a company is among the stronger credits of the group, and a minus designation indicates that a company is among the weaker credits of the group.

The following four ratings are assigned a score, which is then translated into a descriptive rating along the scale of Very Good/Good/Fair/Poor/Very Poor.

Business Risk captures the fundamental uncertainty around a firm's business operations and the cash flow generated by those operations. Key components of the Business Risk rating include the Morningstar Economic Moat Rating and the Morningstar Uncertainty Rating.

Cash-Flow Cushion is a fundamental indicator of a firm's future financial health. The measure reveals how many times a company's internal cash generation plus total excess liquid cash will cover its debt-like contractual commitments over the next five years. The Cash Flow Cushion acts as a predictor of financial distress, bringing to light potential refinancing, operational, and liquidity risks inherent to the firm.

Solvency Score is a quantitative score derived from both historical and forecasted financial ratios. It includes ratios that focus on liquidity (a company's ability to meet short term cash outflows), profitability (a company's ability to generate profit per unit of input), capital structure (how does the company finance its operations), and interest coverage (how much of profit is used up by interest payments).

Distance to Default is a quantitative, market-based measure of a company's

current financial health. The underlying model treats the equity of the firm as a call option on that firm's assets. Based on estimates of asset volatility and the Black-Scholes option-pricing model, we can estimate the likelihood that the value of the company's assets falls below the value of its liabilities, implying likely default.

Municipal Bonds

Tax Equivalent Yield is the pretax yield that a taxable bond needs to possess for its yield to be equal to that of a tax-free municipal bond. This yield is used to fairly compare the yield of a tax-free bond to that of a taxable bond in order to see which bond has a higher applicable yield. The tax equivalent yield in this report assumes a 28% federal income tax rate.

Special Risks

Interest rate risk: When interest rates rise, bond prices fall. If you need money and have to sell your bond before maturity in a higher rate environment, you will probably get less than you paid for it. Interest rate risk declines as the maturity date gets closer.

Inflation risk: Inflation causes tomorrow's dollar to be worth less than today's; in other words, it reduces the purchasing power of a bond investor's future interest payments and principal, collectively known as "cash flows." Inflation also leads to higher interest rates, which in turn leads to lower bond prices. Inflation-indexed securities such as Treasury Inflation Protection Securities (TIPS) are structured to mitigate inflation risk.

Call risk or reinvestment risk: If a bond is callable, the issuer can redeem it prior to maturity, on defined dates for defined prices. Bonds are usually called when interest rates are falling, leaving the investor to reinvest the proceeds at lower rates.

Liquidity risk: The risk that investors may have difficulty finding a buyer when they want to sell and may be forced to sell at a significant discount to market value. Liquidity risk is greater for thinly traded securities such as lower-rated bonds, bonds that were part of a small issue, bonds that have recently had their credit rating downgraded or bonds sold by an infrequent issuer. Bonds are generally the most liquid during the period right after issuance when the typical bond has the highest trading volume.

Default risk: The possibility that a bond issuer will be unable to make interest or principal payments when they are due. If these payments are not made according to the agreements in the bond documentation, the issuer can default.

Event risk: The risk that a bond's issuer undertakes a leveraged buyout, debt restructuring, merger or recapitalization that increases its debt load, causing its bonds' values to fall, or interferes with its ability to make timely payments of interest and principal. Event risk can also occur due to natural or industrial accidents or regulatory change.

Market risk: The risk that the bond market as a whole would decline, bringing the value of individual securities down with it regardless of their fundamental characteristics.

Legislative risk: The risk that a change in the tax code could affect the value of taxable or tax-exempt interest income.

Investment Risks

International/Emerging Market Equities: Investing in international securities involves special additional risks. These risks include, but are not limited to,

currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Sector Strategies: Portfolios that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

Non-Diversified Strategies: Portfolios that invest a significant percentage of assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

Small Cap Equities: Portfolios that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

Mid Cap Equities: Portfolios that invest in companies with market capitalization below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

High-Yield Bonds: Portfolios that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

Tax-Free Municipal Bonds: The investor should note that the income from tax-free municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

Bonds: Bonds are subject to interest rate risk. As the prevailing level of bond interest rates rise, the value of bonds already held in a portfolio declines. Portfolios that hold bonds are subject to declines and increases in value due to general changes in interest rates.

HOLDERS: The investor should note that these are narrow industry-focused products that, if the industry is hit by hard times, will lack diversification and possible loss of investment would be likely. These securities can trade at a discount to market price, ownership is of a fractional share interest, the underlying investments may not be representative of the particular industry, the HOLDER might be delisted from the AMEX if the number of underlying companies drops below nine, and the investor may experience trading halts.

Hedge Funds: The investor should note that hedge fund investing involves specialized risks that are dependent upon the type of strategies undertaken by the manager. This can include distressed or event-driven strategies, long/short strategies, using arbitrage (exploiting price inefficiencies), international investing, and use of leverage, options and/or derivatives. Although the goal of hedge fund managers may be to reduce volatility and produce positive absolute return under a variety of market conditions, hedge funds may involve a high degree of risk and are suitable only for investors of substantial financial means who could bear the entire loss of their investment.

Bank Loan/Senior Debt: Bank loans and senior loans are impacted by the risks associated with fixed income in general, including interest rate risk and default risk. They are often non-investment grade; therefore, the risk of default is high. These securities are also relatively illiquid. Managed products that invest in bank loans/senior debt are often highly leveraged, producing a high risk of return volatility.

Exchange Traded Notes (ETNs): ETNs are unsecured debt obligations. Any repayment of notes is subject to the issuer's ability to repay its obligations.

ETNs do not typically pay interest.

Leveraged ETFs: Leveraged investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the prospectus objective). The leverage/gearing ratio is the amount of excess return that a leveraged investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X, -2X, -3X). Compounding has the ability to affect the performance of the fund to be either greater or less than the index performance multiplied by the multiple stated within the funds objective over a stated time period.

Short Positions: When a short position moves in an unfavorable way, the losses are theoretically unlimited. The broker may demand more collateral and a manager might have to close out a short position at an inopportune time to limit further losses.

Long-Short: Due to the strategies used by long-short funds, which may include but are not limited to leverage, short selling, short-term trading, and investing in derivatives, these funds may have greater risk, volatility, and expenses than those focusing on traditional investment strategies.

Liquidity Risk: Closed-end fund, ETF, and HOLDR trading may be halted due to market conditions, impacting an investor's ability to sell a fund.

Market Price Risk: The market price of ETFs, HOLDRs, and closed-end funds traded on the secondary market is subject to the forces of supply and demand and thus independent of the NAV. This can result in the market price trading at a premium or discount to the NAV, which will affect an investor's value.

Market Risk: The market prices of ETFs and HOLDRs can fluctuate as a result of several factors, such as security-specific factors or general investor sentiment. Therefore, investors should be aware of the prospect of market fluctuations and the impact it may have on the market price.

Target-Date Funds: Target-date funds typically invest in other mutual funds and are designed for investors who are planning to retire during the target date year. The fund's target date is the approximate date when investors expect to begin withdrawing their money. A target-date fund's investment objective/strategy typically becomes more conservative over time, primarily by reducing its allocation to equity mutual funds and increasing its allocations in fixed-income mutual funds. An investor's principal value in a target-date fund is not guaranteed at any time, including at the fund's target date.

High double- and triple-digit returns: High double- and triple-digit returns were the result of extremely favorable market conditions, which may not continue to be the case. High returns for short time periods must not be a major factor when making investment decisions.

Benchmark Disclosure

BBgBarc Global Aggregate TR USD

The BarCap Global Aggregate Index is composed of the U.S. Aggregate Index, the Pan-European Index and the Japanese component of the Global Treasury Index. All issues must be fixed rate, nonconvertible and have at least one year remaining to maturity. Securities from countries classified as emerging markets are excluded. The index is weighted according to each countries market capitalization, except for Japan, which is weighted by the market capitalization of the 40 largest Japanese government bonds. The constituents displayed for

this index are from the following proxy: iShares Global Bond Index.

BBgBarc US Agg Bond TR USD

This index is composed of the BarCap Government/Credit Index, the Mortgage-Backed Securities Index, and the Asset-Backed Securities Index. The returns we publish for the index are total returns, which includes the daily reinvestment of dividends. The constituents displayed for this index are from the following proxy: iShares Core US Aggregate Bond ETF.

BBgBarc US Credit TR USD

Tracks the returns of all publicly issued, fixed-rate, nonconvertible, dollar-denominated, SEC-registered, investment-grade corporate debt. The constituents displayed for this index are from the following proxy: iShares Broad USD Invmt Grd Corp Bd ETF.

BBgBarc US Govt/Credit 1-3 Yr TR USD

BarCap 1-3 Year Government/Corporate Bond Index is an unmanaged index that tracks debt instruments, including U.S. government Treasury and Agency securities as well as corporate and Yankee bonds.

BBgBarc US Universal TR USD

BarCap U.S. Universal Bond Index: The U.S. Universal Index mirrors the increasingly popular "Core Plus" choice set used by many U.S.-dollar investors. It is the union of the U.S. Aggregate Index, the U.S. High Yield Corporate Index, the 144A Index, the Eurodollar Index, the Emerging Markets Index, the non-ERISA portion of the CMBS Index, and the CMBS High Yield Index. Municipal debt, private placements, and non-dollar-denominated issues are excluded from the Universal Index. The constituents displayed for this index are from the following proxy: iShares Core Total USD Bond Market ETF.

JPM EMBI Global Diversified TR USD

Description unavailable.

Morningstar US Consumr Cyclcl TR USD

The Consumer Cyclical Sector includes retail stores, auto & auto parts manufacturers, companies engaged in residential construction, lodging facilities, restaurants and entertainment companies.

Morningstar US Mid Cap TR USD

The Morningstar Mid Cap Index tracks the performance of U.S. mid-cap stocks. These stocks fall between the 70th and 90th percentile in market capitalization of the investable universe. In aggregate, the Mid-Cap Index represents 20 percent of the investable universe.

Morningstar US Small Val TR USD

The Morningstar Small Value Index measures the performance of U.S. small-cap stocks with relatively low prices given anticipated per-share earnings, book value, cash flow, sales and dividends.

MSCI ACWI Ex USA Growth NR USD

Description unavailable.

MSCI ACWI Ex USA NR USD

The MSCI AC World ex USA is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global developed and emerging markets. The index consists of 48 developed and emerging market country indices. The returns we publish for the index are total returns, which include reinvestment of dividends. The constituents displayed for this index are from the following proxy: iShares Core MSCI EAFE ETF.

MSCI EAFE Growth NR USD

The MSCI EAFE Growth Index is a market capitalization-weighted index that measures the performance of the leading growth stocks in 21 developed countries outside of North America. (The 21 countries include Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, Australia, New Zealand, Hong Kong, Japan and Singapore.) The constituents displayed for this index are from the following proxy: iShares MSCI EAFE Growth ETF.

MSCI EAFE NR USD

This Europe, Australasia, and Far East index is a market-capitalization-weighted index of 21 non-U.S., industrialized country indexes.

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Russell 1000 Growth TR USD

Tracks the companies within the Russell 1000 with higher price-to-book ratios and higher forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 1000 Growth ETF.

Russell 1000 TR USD

Consists of the 1000 largest companies within the Russell 3000 index, which represents approximately 98% of the investable US equity market. Also known as the Market-Oriented Index, because it represents the group of stocks from which most active money managers choose. The constituents displayed for this index are from the following proxy: iShares Russell 1000 ETF.

Russell 1000 Value TR USD

Tracks the companies within the Russell 1000 with lower price-to-book ratios and lower forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 1000 Value ETF.

Russell 2000 Value TR USD

Tracks the companies within the Russell 2000 Index that have lower price-to-book ratios and lower forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 2000 Value ETF.

Russell Mid Cap Growth TR USD

Tracks the companies within the Russell Midcap Index with higher price-to-book ratios and higher forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell Mid-Cap Growth ETF.

S&P 500 TR USD

A market capitalization-weighted index composed of the 500 most widely held stocks whose assets and/or revenues are based in the US; it's often used as a proxy for the U.S. stock market. TR (Total Return) indexes include daily reinvestment of dividends. The constituents displayed for this index are from the following proxy: iShares Core S&P 500 ETF.

USTREAS T-Bill Auction Ave 3 Mon

Three-month T-bills are government-backed, short-term investments considered to be risk-free and as good as cash because the maturity is only three months. Morningstar collects yields on the T-bill on a weekly basis from the Wall Street Journal.