#### **Investment Performance**



March 31, 2020

by



www.cia-llc.com

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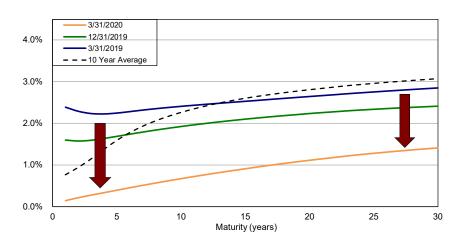
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# CAPITAL MARKETS SUMMARY 1st QUARTER 2020

#### **U.S. Treasury Rates**



#### 6.0% GDP 4.0% Q3 = 2.1%2.0% Q4 = 2.1%0.0% 022015 042015 022016 042016 022017 042017 022018 042018 022019 042019 042014 8.0% 400 Non-Farm 200 7.0% Total Unemployed March Unemployment: 0 6.0% in Monthly I Payrolls 4.4% 5.0% (200) (400) 4.0% 1 yr. avg. monthly increase Change (600) 3.0% is about 111k jobs (800)2.0% Seris Marile Mar.15 Mar-20 to the two set was set was set to

#### **Equity Markets**

		QTR	1 YR	3 YR	5 YR	10 YR	20 YR
Cap	S&P 500	-19.6%	-7.0%	5.1%	6.7%	10.5%	4.8%
Large (	S&P 500 - Value	-25.3%	-12.2%	0.1%	3.4%	8.2%	4.8%
Laı	S&P 500 - Growth	-14.5%	-2.5%	9.6%	9.5%	12.6%	4.6%
Cap	Russell 2000	-30.6%	-24.0%	-4.6%	-0.2%	6.9%	5.3%
Small (	Russell 2000 - Value	-35.7%	-29.6%	-9.5%	-2.4%	4.8%	6.8%
Sm	Russell 2000 - Growth	-25.8%	-18.6%	0.1%	1.7%	8.9%	3.5%
nal	MSCI EAFE	-22.8%	-14.4%	-1.8%	-0.6%	2.7%	2.0%
natio (net)	MSCI EAFE - Value	-28.2%	-22.8%	-6.6%	-3.8%	0.6%	2.1%
International (net)	MSCI EAFE - Growth	-17.5%	-5.8%	3.0%	2.5%	4.7%	1.7%
Ē	MSCI Emerging Markets	-23.6%	-17.7%	-1.6%	-0.4%	0.7%	4.9%

#### Bloomberg Barclays Long G/C 6.2% 19.3% 9.7% Bloomberg Barclays Municipal Muni -0.6% 3.8% 4.0% S&P/LSTA -13.09 -9.2% -0.8% High Yield **Bloomberg Barclays High Yield** -12.7% -6.9% 0.8%

#### **Fixed Income Markets**

1 YR

2.3%

8.9%

13.2%

8.3%

5.1%

2.8%

7.0%

5.4%

6.8%

3 YR

1.8%

4.8%

5.8%

4.2%

4.2%

2.4%

4.0%

4.1%

3.5%

5 YR

1.2%

3.4%

3.6%

2.9%

3.3%

2.0%

2.9%

3.1%

2.7%

6.0%

3.2%

1.1%

2.8%

10 YR

0.6%

3.9%

3.8%

2.8%

4.7%

2.5%

3.3%

4.9%

3.5%

8.1%

4.1%

3.1%

5.6%

QTR

0.6%

3.1%

8.2%

4.1%

-3.1%

-0.2%

2.8%

0.5%

1.7%

Cash ICE BofAML 91 Day T-bills

U.S. Treasury

U.S. Agency

U.S. Credit

ABS

MBS

CMBS

Investment Grade

**Bloomberg Barclays Aggregate** 

Bloomberg Barclays U.S. TIPS

20 YR

1.7%

5.1%

4.8%

4.5%

5.7%

3.9%

4.9%

5.7%

5.4% 7.7%

4.9%

4.1%

6.5%



### **GDP and Employment**



# EXECUTIVE SUMMARY March 31, 2020

### Summary

#### For the quarter:

- Portfolio update:
  - The total balance for the portfolio was \$1.1 B.
  - The first Private Real Estate capital call was competed January 2020 by Invesco. AEW is scheduled to do their first capital call next quarter. Given the impact of COVID-19 on the economy, these calls could be delayed.
- <u>Capital Markets</u>:
  - Quarter-over-quarter, increased market risk caused yields to fall across the curve. Overall, the short end of the curve decreased faster than the long end, resulting in steepening of the curve. Across fixed income, option adjusted spreads increased as investors required higher returns during uncertain times.
  - The Dow returned its worst quarter since 1987. March was also the worst single month since 2008. COVID-19 and shocks to the oil markets left markets reeling at the end of first quarter.
- Performance:
  - ✓ The PCF's overall portfolio outperformed the benchmark by 37 bps.
  - ✓ Core fixed income and Emerging market Debt lagged, while High Yield Bank loans and High Yield bonds outperformed.

#### For the past year:

- <u>Capital Markets</u>:
  - ✓ For investment grade fixed income markets, Long Gov't/Credit came in at 19.3% followed by long U.S. Treasury at 13.2%.
  - ✓ For equities all asset classes lagged. Russell 2000 Value came in at -29.6% and MSCI EAFE value was -22.8%
- Performance:
  - ✓ The PCF's overall portfolio outperformed the benchmark, returning 1.4% vs. 1.3%.
  - ✓ Equities composite outperformed by 103 bps, returning -13.9% vs. -14.9% for the benchmark.

#### For the past five years:

- Capital Markets:
  - ✓ Barclay's Long G/C, High Yield, and U.S. Treasury did well.
  - ✓ The top equity asset performer was S&P 500 Growth at 9.5% followed by S&P 500 at 6.7%.
- Performance: the PCF's overall portfolio outperformed the benchmark by 18 bps, returning 2.5%.

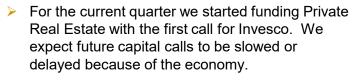
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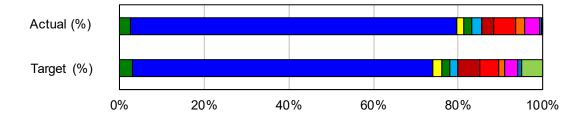
# COMPANY COMPOSITE March 31, 2020

### Total Company Allocation by Asset Class (\$000s)

	Actual (\$000s)	Actual (%)	Target (%)
Cash	27,954	2.5%	3.0%
Core Investment-Grade Bonds	872,511	77.1%	71.0%
High Yield Bank Loans	21,100	1.9%	2.0%
High Yield Bonds	21,505	1.9%	2.0%
Emerging Market Debt	25,155	2.2%	2.0%
Global Low Volatility	31,299	2.8%	5.0%
US All Cap	60,901	5.4%	4.5%
US Small Cap	21,756	1.9%	1.5%
International Equity	41,347	3.7%	3.0%
International Small Cap Equity	4,903	0.4%	1.0%
Private Real Estate	3,582	<u>0.3%</u>	5.0%
Total	1,132,011	100.0%	100.0%



> This is monitored monthly.

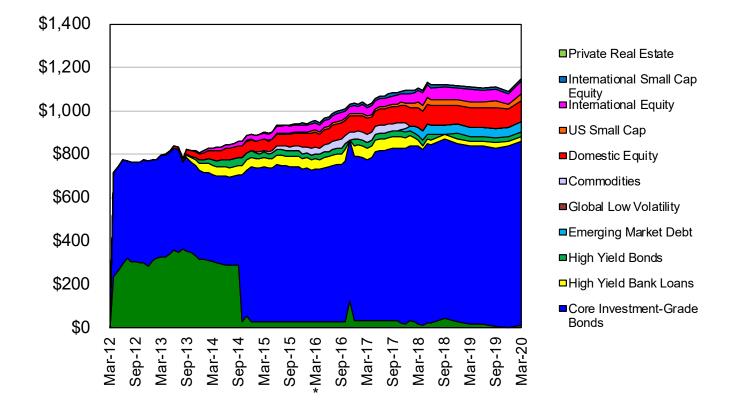






# COMPANY COMPOSITE March 31, 2020

### Company Growth by Asset Class (\$MM)



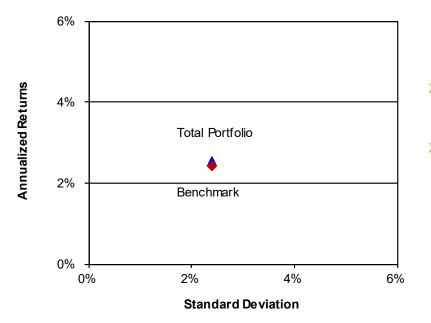
\* June 2016 had a brief bump up in cash due to the transition of the new High Yield Bank and Bond Managers.





# COMPANY COMPOSITE March 31, 2019

Five Year Risk/Return Performance (Total Portfolio)

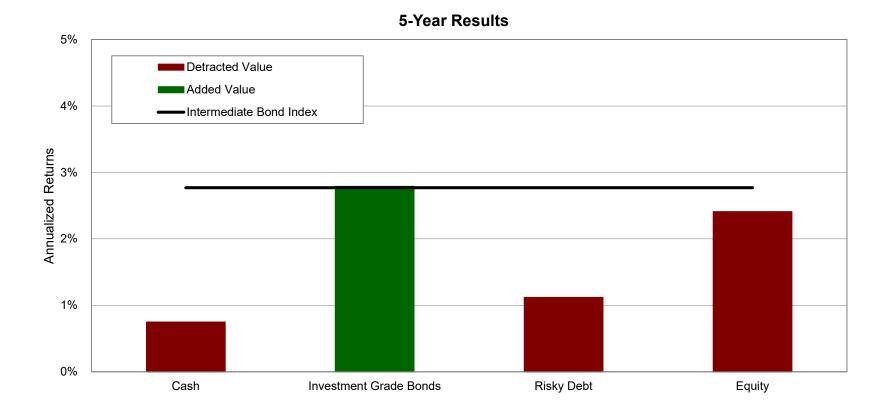


- This chart shows the risk and return for the actual portfolio and the overall benchmark for the past five years.
- Over the past five years, LAPCF outperformed its benchmark by 0.18% on an annualized basis with a similar level of risk.





# Actual Asset Class Returns vs. Intermediate Bond Index







### Pretax, Net of Fees Performance as of March 31, 2020

	Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
P	PCF Composite										
P	Pretax Performance	1,132,011	100.0%	(3.81%)	1.43%	2.74%	2.76%	2.52%	2.51%	2.32%	1/1/2012
<sup>1</sup> <u>B</u>	Blended Benchmark			( <u>4.18</u> %)	<u>1.37</u> %	<u>2.72</u> %	<u>2.69</u> %	<u>2.35</u> %	<u>2.59</u> %	<u>2.97</u> %	
R	Relative Performance			0.37%	0.06%	0.01%	0.08%	0.18%	(0.08%)	(0.65%)	
	<b>Cash</b> WF Advantage Fund	27.954	2.5%	0.16%	1.31%	1.40%	1.11%	0.75%	NA	0.71%	1/1/2015
	Merrill 91 Day T-Bill	21,004	2.070	0.55%	2.17%	2.10%	1.74%	1.10%	NA	1.05%	1/ 1/2010
	Relative Performance			(0.39%)	(0.86%)	(0.71%)	(0.63%)	(0.36%)	NA	(0.33%)	
				(0.0070)	(0.0070)	(0.1170)	(0.0070)	(0.0070)	101	(0.0070)	
	Core Fixed Income Composite	872,511	77.1%	1.69%	5.64%	5.00%	3.68%	2.79%	2.65%	2.52%	1/1/2012
2	Blended Benchmark			<u>2.48</u> %	<u>6.84</u> %	<u>5.56</u> %	<u>3.83</u> %	<u>2.75</u> %	<u>2.66</u> %	<u>2.75</u> %	
	Relative Performance			(0.79%)	(1.20%)	(0.56%)	(0.15%)	0.04%	(0.01%)	(0.24%)	
2	Risky Debt Composite Blended Benchmark	67,760	6.0%	(12.64%) (12.59%)	(7.47%) (7.07%)	(2.17%) (1.66%)	(0.55%) (0.21%)	1.12% 1.46%	1.80% 2.14%	1.80% 2.14%	4/1/2013
	Relative Performance			(0.05%)	(0.40%)	( <u>0.51</u> %)	( <u>0.34</u> %)	(0.34%)	(0.34%)	(0.34%)	
2	Total Equity Composite Blended Benchmark	160,205	14.2%	(23.64%) ( <u>24.16</u> %)	(0.40%) (13.89%) ( <u>14.91</u> %)	(5.66%) ( <u>6.76</u> %)	0.24% ( <u>0.55</u> %)	2.41% 2.05%	(0.04%) 5.52% <u>5.23</u> %	6.95% <u>6.71</u> %	11/1/2012
	Relative Performance			0.52%	1.03%	1.10%	0.79%	0.36%	0.29%	0.24%	
2	<b>Private Real Estate Composite</b> <u>Blended Benchmark</u> Relative Performance	3,582	2.2%	2.33% ( <u>27.01</u> %) 29.34%	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	2.33% ( <u>27.01</u> %) 29.34%	1/1/2020

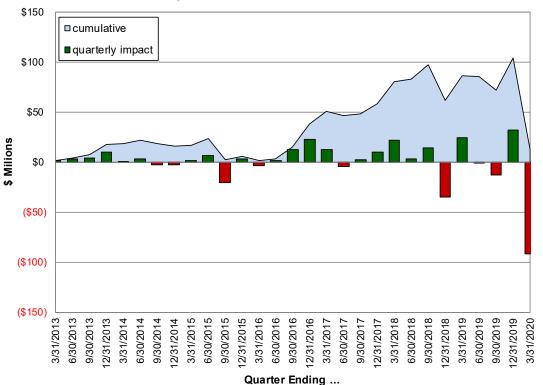
<sup>1</sup>The blended benchmark consists of a target-weighted blend of the underlying portfolio benchmarks.

<sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.



# **DIVERSIFIED PORTFOLIO**

### Value Added or (Detracted) by the Diversified Portfolio



#### Impact of New Portfolio Structure

- Since inception, the diversified portfolio has added approximately \$12 MM above what the prior portfolio structure likely would have earned.
- The market's immediate response to large parts of the economy shutting down because of COVID-19 was so severe that it wiped out much of the gains the PCF had earned since 2013 by investing in a more diversified portfolio.
- Please note, the market rebounded significantly in April. Through April 27<sup>th</sup>, the Russell 3000 (US stocks) earned +11.8% for the month, thereby reducing the year-to-date losses to -11.6%.

>The legacy allocation is defined as: 50% Treasury and 50% Agency.

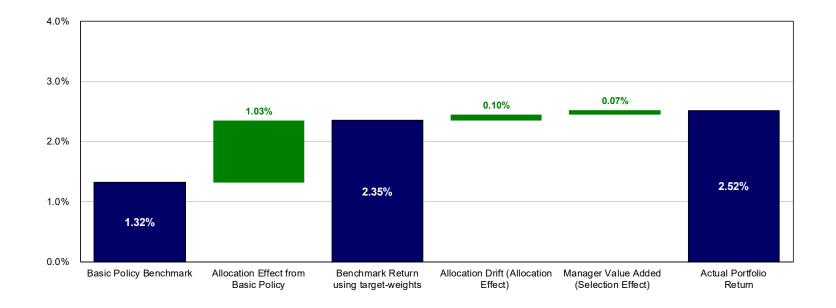
Source: Wells Fargo, State of Louisiana, CIA analysis





# **ATTRIBUTION**

#### **Five-Year Performance Attribution: Overall**



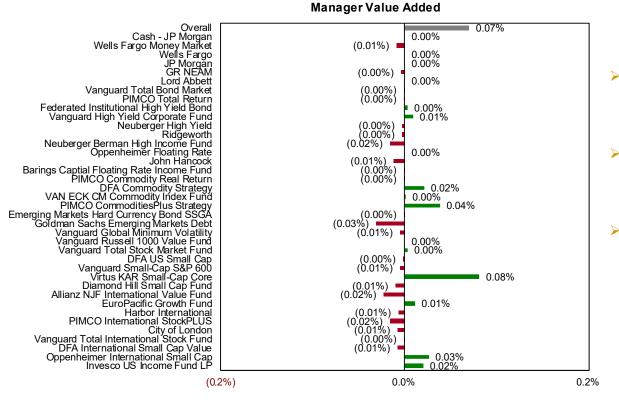
- If the PCF had not changed the law and its investment portfolio, it would have earned approximately 1.32% annualized over the last five years.
- > By adding risk to the portfolio, the PCF earned an extra 1.03% per year.
- Drift, or the Allocation Effect was 0.10% for the last five years. This is driven by random allocation differences and implementing new asset classes. Over time, this should be fairly close to 0%.
- > The PCF's investment managers have added 0.07% in value overall on an annualized basis.





# ATTRIBUTION

#### **Five Year Performance Attribution**



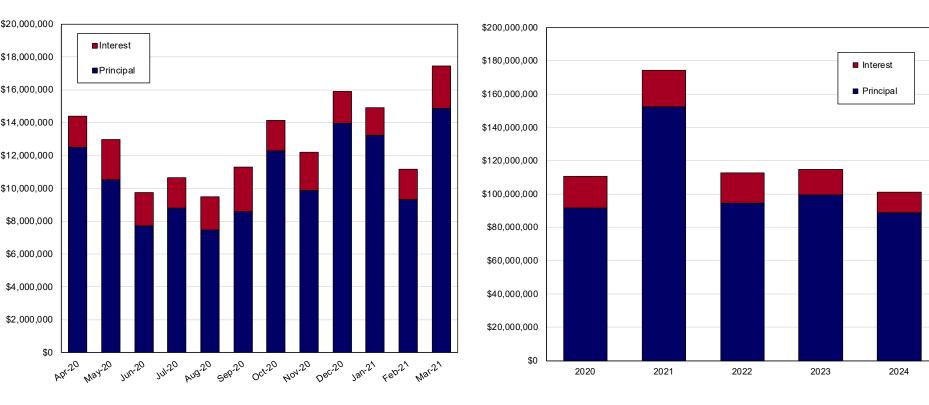
- Virtus Kar Small Cap has had a significantly positive impact on the overall portfolio (+0.08%) annualized over the past five years.
- As the rest of the managers have relatively small mandates, they have a limited ability to impact the relative returns of the overall portfolio.
- No one manager has had a significant <u>negative</u> effect on the overall portfolio. Nonetheless, many of the managers that were underperforming over this time period have been terminated.





# **INVESTMENT PERFORMANCE**

### **Fixed Income Cash Flow Projections**





### Pretax, Net of Fees Performance as of March 31, 2020

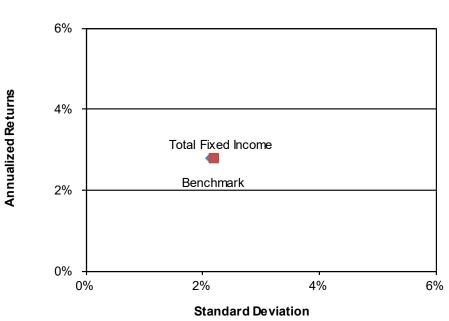
Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
Core Fixed Income Composite	872,511	77.1%	1.69%	5.64%	5.00%	3.68%	2.79%	2.65%	2.52%	1/1/2012
<sup>2</sup> Blended Benchmark			2.48%	<u>6.84</u> %	<u>5.56</u> %	<u>3.83</u> %	<u>2.75</u> %	2.66%	<u>2.75</u> %	
Relative Performance			(0.79%)	(1.20%)	(0.56%)	(0.15%)	0.04%	(0.01%)	(0.24%)	
NEAM <u>Bloomberg Barclays Intermediate Aggregate</u> Relative Performance	872,511	77.1%	1.69% <u>2.48</u> % (0.79%)	5.64% <u>6.84</u> % (1.20%)	5.00% <u>5.56</u> % (0.56%)	3.68% <u>3.83</u> % (0.15%)	2.85% <u>2.77</u> % 0.08%	NA NA NA	2.96% <u>2.81</u> % 0.14%	6/27/2014

- NEAM outperformed for longer time periods and has outperformed their relative benchmark by 14 bps on an annualized basis since inception. NEAM underperformed markedly this quarter as only US Treasuries did well. NEAM underweights US Treasuries in order to add yield and return to the portfolio, but this leads to pain in periods of market volatility. Historically, these sorts of dislocations have led to outperformance in subsequent periods.
- The Core Fixed Income Composite includes, in chronological order:
  - State of Louisiana fixed income,
  - Various mutual funds used transitionally,
  - JP Morgan, and
  - NEAM.

<sup>1</sup>The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks. <sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.



### Five Year Risk/Return Performance (Fixed Income)



Over the past five years, Fixed Income has outperformed against its benchmark by 0.04% with the same risk.





# **NEAM CORE BONDS**

#### **Portfolio Characteristics**

	NEAM	as of	Bloomberg BC Int. Aggregate as of
	12/31/19	3/31/20	3/31/20
Effective Duration	3.6 years	4.1 years	3.2 years
Average Maturity	5.2 years	5.3 years	4.0 years
Yield to Maturity	2.3%	2.1%	1.3%
Average Quality	AA	AA	AA

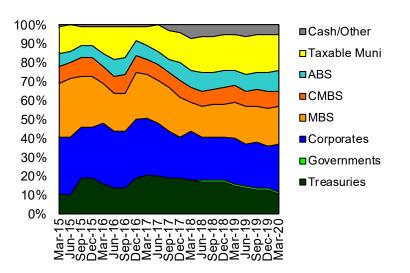
### Advisor's Mandate

- Actively managed fixed income separate account.
- Inception: June 2014
- Objective: Exceed total return of the Bloomberg Barclays Int. Aggregate
- Annual Fee = 0.075% on the first \$400M and 0.045% on the remaining.

#### Commentary

- NEAM underperformed for the current quarter by 0.79% but has a significant yield advantage.
- Since inception, NEAM outperformed their relative benchmark by 0.14% net of fees.

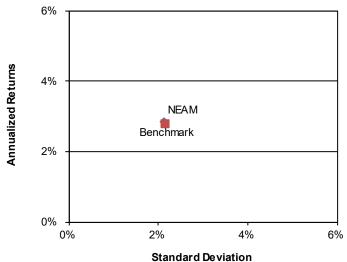
### **Historical Sector Distribution**



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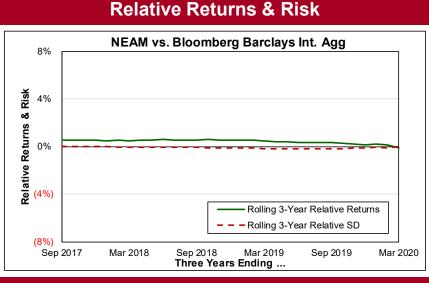
#### Five-Year Risk/Return



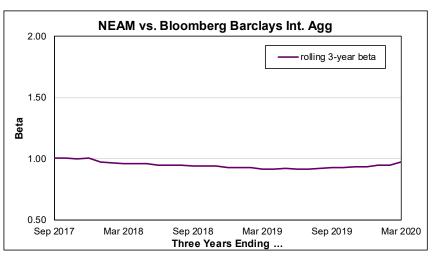
Source: NEAM, Bloomberg Barclays, CIA Analysis, Wells Fargo



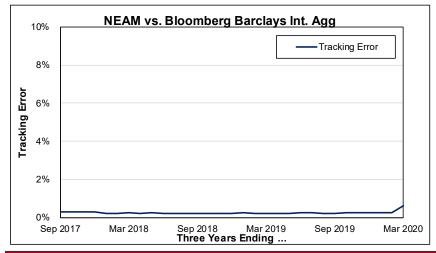
# **NEAM CORE BONDS**



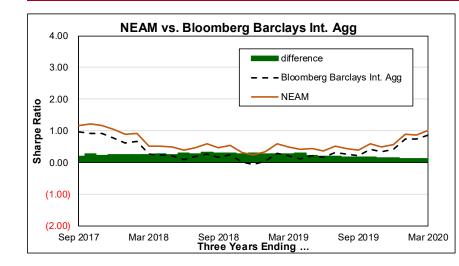
#### Beta



# Tracking Error



### Sharpe Ratio



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### Pretax, Net of Fees Performance as of March 31, 2020

Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
High Yield Bank Loan Composite S&P LSTA Index	21,100	1.9%	(12.30%) (13.19%)	(9.03%) (9.75%)	(3.42%) (3.91%)	(0.83%) (1.42%)	0.75% 0.61%	1.36% 1.35%	1.36% 1.35%	4/1/2013
Relative Performance			0.89%	0.72%	0.49%	0.59%	0.14%	<u>0.01%</u>	0.01%	
Barings Capital Floating Rate Income <u>S&amp;P LSTA Index</u> Relative Performance	21,100	1.9%	(12.30%) ( <u>13.19</u> %) 0.89%	(9.03%) ( <u>9.75</u> %) 0.72%	(3.42%) ( <u>3.91</u> %) 0.49%	(0.83%) ( <u>1.42</u> %) _ 0.59%	NA NA NA	NA NA NA	0.53% <u>0.07</u> % 0.46%	8/1/2016

- > Barings outperformed for all reporting time periods.
- > Barings provided nice downside protection this quarter.
- > Since inception they have outperformed their benchmark by +0.46 bps.





# **BARINGS – FLOATING RATE INCOME FUND**

#### **Portfolio Characteristics**

	Barings	S&P LSTA	
	as	as of	
	12/31/19	3/31/20	
Number of Issues	183	192	1,172
Average Maturity	4.8 years	4.8 years	NA
Effective Duration	3.6	4.1	3.1
Avg Credit Quality	В	В	B+

#### **Advisor's Mandate**

- > Actively-Managed High Yield Bank Loan Fund
- Inception: August 2016
- > Objective: Exceed total return of the S&P LSTA index
- Annual fee 0.425%

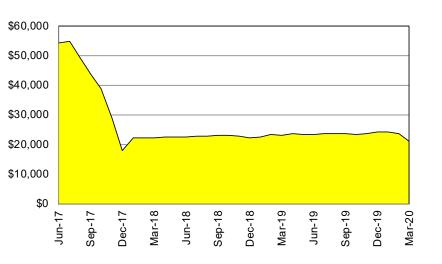
#### Commentary

The fund outperformed the benchmark by 89 basis points for the quarter.

#### Top Ten Issuers

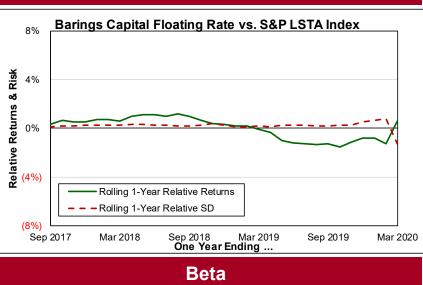
	Portfolio
<u>Holding</u>	<u>Weight</u>
Asurion	1.8%
Altice USA, Inc	1.5%
Finastra (fka Misys)	1.5%
Duff & Phelps	1.5%
Veritas	1.4%
Endemol	1.4%
Caesars Resort Collection	1.2%
Vertafore	1.2%
CenturyLink, Inc	1.1%
Acrisure	<u>1.1%</u>
	13.5%

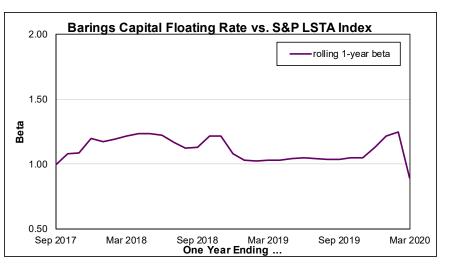
### Asset Growth (\$000s)

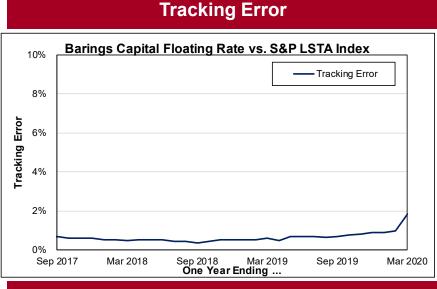




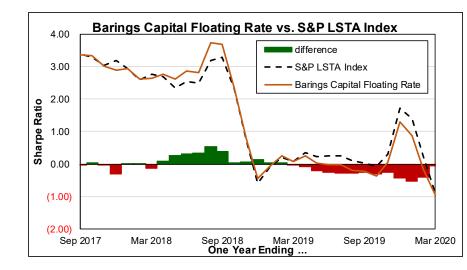
# **BARINGS – FLOATING RATE INCOME FUND**







Sharpe Ratio



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#### **Relative Returns & Risk**



# Pretax, Net of Fees Performance as of March 31, 2020

Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
High Yield Bond Composite	21,505	1.9%	(11.35%)	(4.94%)	0.38%	1.11%	2.48%	NA	2.65%	5/1/2013
<sup>2</sup> Blended Benchmark			( <u>13.10</u> %)	( <u>7.53</u> %)	( <u>1.08</u> %)	<u>0.66</u> %	<u>2.17</u> %	NA	<u>2.63</u> %	
Relative Performance			1.75%	2.59%	1.46%	0.45%	0.31%	NA	0.02%	
Federated Institutional High Yield Bond <u>BofA/ML U.S. High Yield Cash Pay Index</u>	10,636	0.9%	(12.12%) ( <u>13.10</u> %)	(6.21%) ( <u>7.53</u> %)	(0.30%) ( <u>1.08</u> %)	NA NA	NA NA	NA NA	(0.30%) ( <u>1.08</u> %)	4/1/2018
Relative Performance Vanguard High Yield Corporate Fund	10,868	1.0%	0.98%	1.32% (3.67%)	0.78% 1.07%	NA NA	NA NA	NA NA	0.78%	4/1/2018
<u>BofA/ML U.S. High Yield Cash Pay Index</u> Relative Performance			( <u>13.10</u> %) 2.51%	( <u>7.53</u> %) 3.86%	( <u>1.08</u> %) 2.14%	NA NA	NA NA	NA NA	( <u>1.08</u> %) 2.14%	

> The High Yield Bond composite outperformed the benchmark for all reporting time periods.

> Both managers provided downside protection in the first quarter.

> Vanguard High Yield outperformed for the quarter by 251 bps and for the one year 386 bps.

<sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.





# FEDERATED HIGH YIELD BOND

#### **Portfolio Characteristics**

			BofA / ML U.S. High Yield Cash Pay
	Federated	HY as of	as of
	12/31/19	3/31/20	3/31/20
No. of Holdings	523	529	1,761
Average Duration	2.5 years	4.1 years	4.1 years
Avg. Credit Quality	В	В	B+
Avg. Yield to Maturity	3.5%	5.1%	5.7%
Average Coupon	6.3%	6.2%	5.6%

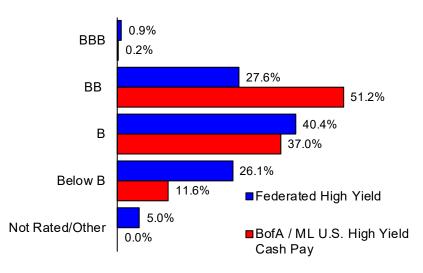
#### Advisor's Mandate

- Fund (FIHBX)
- Actively-Managed High Yield Bond Fund
- Inception: April 2018
- Objective: Exceed total return of the BofA / ML U.S. High Yield Cash Pay
- > Annual fee 0.49%

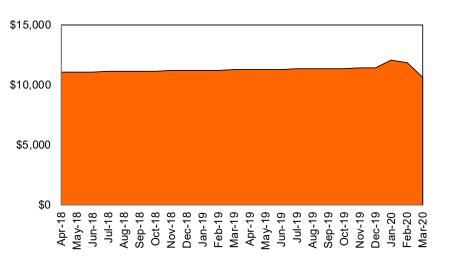
#### Commentary

The fund outperformed the benchmark by 98 basis points for the quarter.

### **Quarterly End Quality Distribution**



### Asset Growth (\$000s)

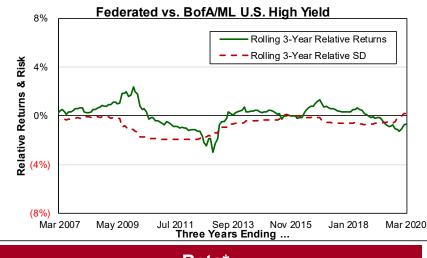




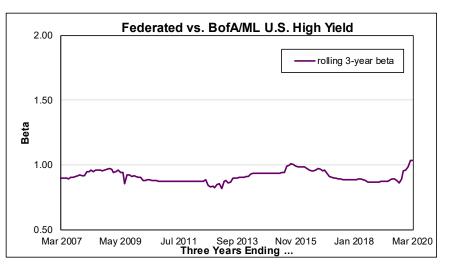


# FEDERATED HIGH YIELD BOND

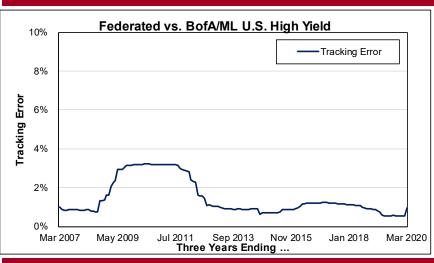
### **Relative Returns & Risk\***



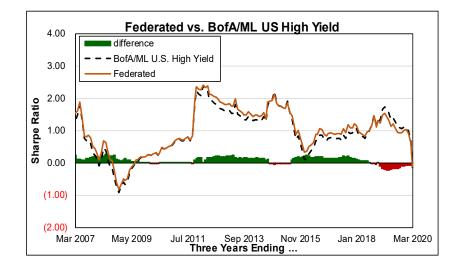
Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Federated, Bloomberg, CIA Analysis, Wells Fargo



#### Sharpe Ratio\*



# Tracking Error\*

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# VANGUARD HIGH YIELD BOND

#### **Portfolio Characteristics**

			BofA / ML U.S. High Yield Cash Pay
	Vanguard	HY as of	as of
	12/31/19	3/31/20	3/31/20
No. of Holdings	506	512	1,761
Average Duration	2.8 years	4.1 years	4.1 years
Avg. Credit Quality	В	В	B+
Avg. Yield to Maturity	5.5%	6.1%	5.7%
Average Coupon	5.5%	5.1%	5.6%

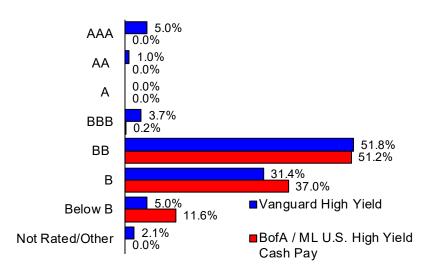
### Advisor's Mandate

- Fund (VWEAX)
- > Passively managed High Yield Bond Fund
- Inception: April 2018
- Objective: Exceed total return of the BofA / ML U.S. High Yield Cash Pay Index
- Annual fee 0.130%

#### Commentary

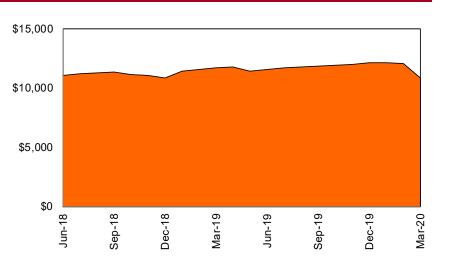
The fund outperformed the benchmark by 251 basis points for the quarter.

### **Quarterly End Quality Distribution**



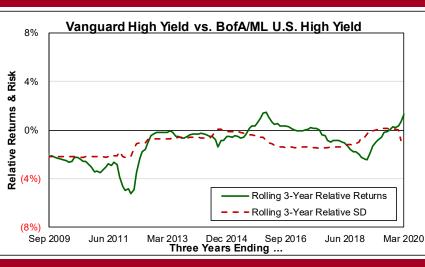
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# Asset Growth (\$000s)



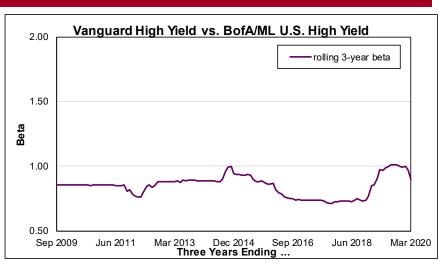


# VANGUARD HIGH YIELD BOND

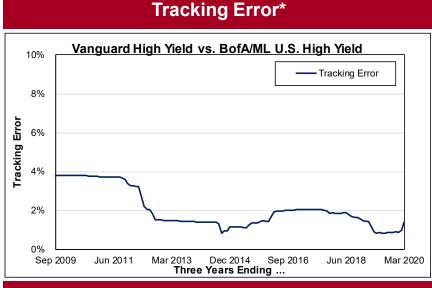


#### **Relative Returns & Risk\***

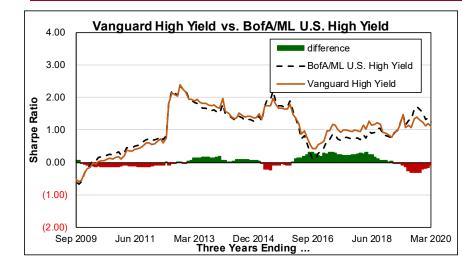
Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Vanguard, Bloomberg, CIA Analysis, Wells Fargo



Sharpe Ratio\*







### Pretax, Net of Fees Performance as of March 31, 2020

 Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
Emerging Market Debt Composite	25,155	2.2%	(14.18%)	(8.69%)	(3.19%)	NA	NA	NA	(2.08%)	8/1/2017
50% EMBI Global / 50% CEMBI Broad			( <u>11.83</u> %)	( <u>5.31</u> %)	( <u>0.68</u> %)	NA	NA	NA	( <u>0.18</u> %)	
 Relative Performance			(2.34%)	(3.38%)	(2.51%)	NA	NA	NA	(1.90%)	
SSGA Emerging Market <u>50% EMBI Global / 50% CEMBI Broad</u> Relative Performance	10,337	0.9%	(12.30%) ( <u>11.83</u> %) (0.47%)	(5.89%) ( <u>5.31</u> %) (0.57%)	(0.96%) ( <u>0.68</u> %) (0.28%)	NA NA NA	NA NA NA	NA NA NA	(0.90%) ( <u>0.71</u> %) (0.20%)	
Goldman Sachs Emerging Market <u>50% EMBI Global / 50% CEMBI Broad</u> Relative Performance	14,819	1.3%	(15.49%) ( <u>11.83</u> %) ( <u>3.66%</u> )	(11.11%) ( <u>5.31</u> %) (5.80%)	(5.22%) ( <u>0.68</u> %) (4.55%)	NA NA NA	NA NA NA	NA NA NA	(3.63%) ( <u>0.18</u> %) (3.45%)	

- > SSgA underperformed for the quarter by 0.47% and since inception by 0.20%.
  - SSgA had a large redemption from this fund and has decided to close it.
  - The PCF will receive the proceeds automatically as the fund is liquidated.
  - · Cardinal will conduct a search for a replacement.
- Goldman Sachs underperformed for the quarter by 3.66% and has lagged in all reporting time periods. Risk simply has not been compensated.





# SSGA EMERGING MARKETS FUND

#### **Portfolio Characteristics**

		50% EMBI
		Global /
SSGA Emer	rging Market	50% CEMBI
as	of	Broad Div.
12/31/19	3/31/20	3/31/20
564	527	2,373
5.9 years	5.8 years	5.8 years
9.6 years	9.4 years	9.4 years
А	BBB	BB
5.4%	6.0%	6.0%
	as 12/31/19 564 5.9 years 9.6 years A	564 527   5.9 years 5.8 years   9.6 years 9.4 years   A BBB

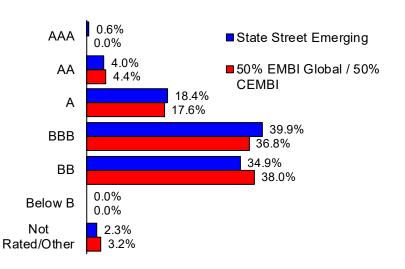
### Advisor's Mandate

- Emerging Markets Fund
- Inception: September 2017
- Objective: Exceed total return of JPM 50% EMBI Global Diversified / 50% CEMBI Broad Diversified
- Annual fee 0.21%

#### Commentary

- > The portfolio underperformed by 47 bps for the quarter.
- > SSGA's differentiating factor is its low fees.

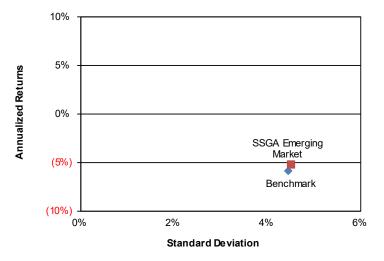
### **Quarter End Quality Distribution**



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#### **One-Year Risk/Return**





# SSGA EMERGING MARKETS FUND

Error

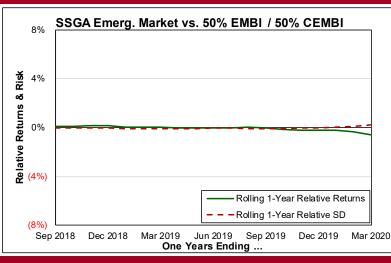
Tracking

2%

0% Sep 2018

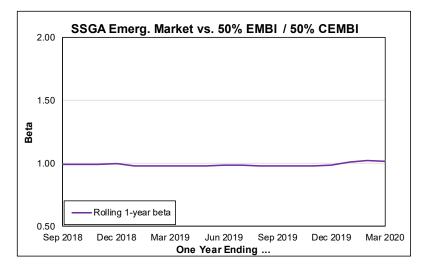
Dec 2018

Mar 2019



**Relative Returns & Risk\*** 

Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: SSGA, Bloomberg, CIA Analysis, Wells Fargo

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**Tracking Error\*** 

### Sharpe Ratio\*

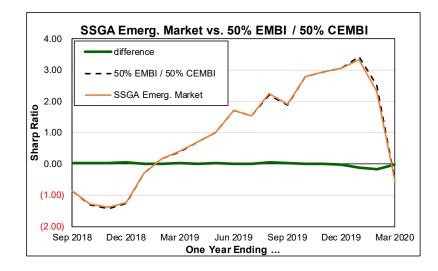
Jun 2019

One Year Ending ...

Sep 2019

Dec 2019

Mar 2020



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# **GOLDMAN SACHS EMERGING MARKETS FUND**

#### **Portfolio Characteristics**

			50% EMBI Global /
	Goldma	n Sachs	50% CEMBI
	Emerging N	larket as of	Broad Div.
	12/31/19	3/31/20	3/31/20
No. of Holdings	345	375	2,373
Effective Duration	8.1 years	8.1 years	5.8 years
Effective Maturity	6.7 years	6.3 years	9.4 years
Avg. Credit Quality	BB	BB	BB
Yield	5.7%	5.9%	6.0%

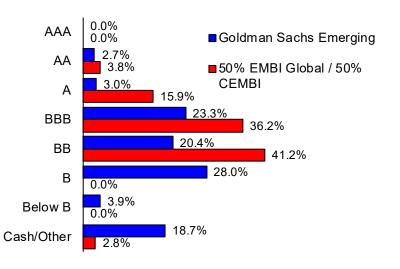
#### Advisor's Mandate

- Fund (GSDIX)
- Inception: August 2017
- Objective: Exceed total return of JPM 50% EMBI Global Diversified / 50% CEMBI Broad Diversified
- Annual fee 0.86%

#### Commentary

- > The portfolio underperformed by 366 bps for the quarter.
- Goldman Sachs takes more credit risk than the index. It has nearly the same yield as the index, despite having a much shorter effective maturity.

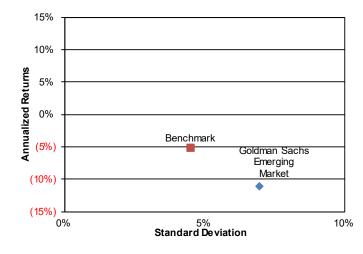
### **Quarter End Quality Distribution**



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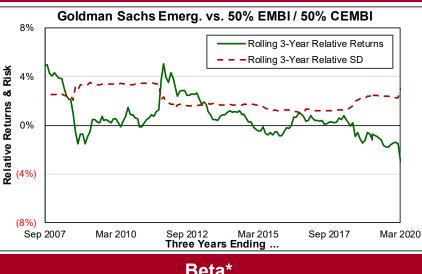
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#### **One-Year Risk/Return**



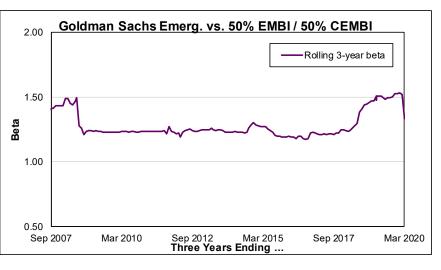


## GOLDMAN SACHS EMERGING MARKETS FUND

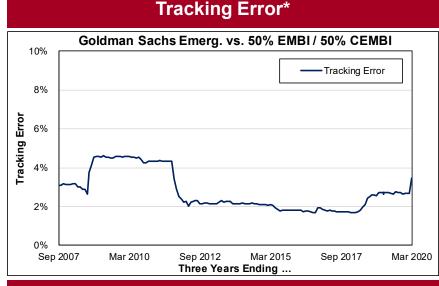


#### **Relative Returns & Risk\***

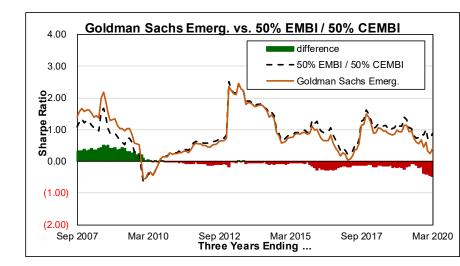
Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Goldman Sachs, Bloomberg, CIA Analysis, Wells Fargo



#### Sharpe Ratio\*







### Pretax, Net of Fees Performance as of March 31, 2020

Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
Total Equity Composite	160,205	14.2%	(23.64%)	(13.89%)	(5.66%)	0.24%	2.41%	5.52%	6.95%	11/1/2012
<sup>2</sup> Blended Benchmark			( <u>24.16</u> %)	( <u>14.91</u> %)	( <u>6.76</u> %)	( <u>0.55</u> %)	<u>2.05</u> %	5.23%	<u>6.71</u> %	
Relative Performance			0.52%	1.03%	1.10%	0.79%	0.36%	0.29%	0.24%	
Domestic Equity Composite	82,657	7.3%	(23.35%)	(12.67%)	(2.98%)	1.48%	4.10%	7.70%	9.04%	11/1/2012
<sup>2</sup> Blended Benchmark			( <u>24.75</u> %)	( <u>14.81</u> %)	( <u>4.74</u> %)	<u>0.21</u> %	3.38%	<u>7.17</u> %	<u>8.57</u> %	
Relative Performance			1.39%	2.15%	1.76%	1.27%	0.72%	0.53%	0.47%	
International Equity Composite	46,250	4.1%	(25.08%)	(16.75%)	(10.95%)	(2.53%)	(0.96%)	NA	0.28%	5/1/2013
<sup>2</sup> Blended Benchmark			( <u>24.66</u> %)	( <u>16.81</u> %)	( <u>11.51</u> %)	( <u>2.88</u> %)	( <u>0.93</u> %)	NA	0.36%	
Relative Performance			(0.42%)	0.06%	0.55%	0.35%	(0.02%)	NA	(0.07%)	
Vanguard Global Minimum Volatility	31,299	2.8%	(20.92%)	NA	NA	NA	NA	NA	(19.81%)	12/1/2019
FTSE All-World Index			(21.45%)	NA	NA	NA	NA	NA	(18.65%)	
Relative Performance			0.54%	NA	NA	NA	NA	NA	(1.16%)	

- The Equity portfolio outperformed for all returning time periods. This indicates strong performance by the PCF's equity managers, but this is cold comfort when markets dropped so severely in the first quarter.
- Over the past five years:
  - The equity portfolio earned 2.41% and outperformed the benchmark by 32 basis points.
  - US equities did well, earning 4.10%.
  - International equities earned -0.96%.

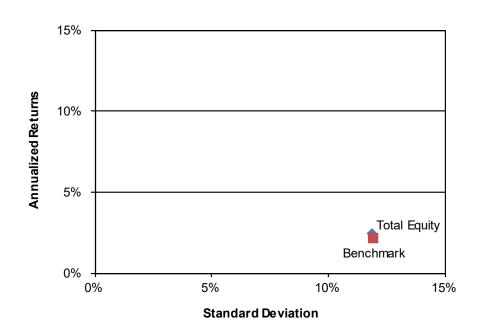
<sup>1</sup>The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks.

<sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.

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### Five Year Risk/Return Performance (Total Equity)



Over the past five years, the equity portfolio earned 2.41% on an annualized basis and outperformed its benchmark by 0.32% on an annualized basis.





### Pretax, Net of Fees Performance as of March 31, 2020

	Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
2	Domestic Equity Composite	82,657	7.3%	(23.35%)	(12.67%)	(2.98%)	1.48%	4.10%	7.70%	9.04%	11/1/2012
	Blended Benchmark			( <u>24.75</u> %)	( <u>14.81</u> %)	( <u>4.74</u> %)	<u>0.21</u> %	<u>3.38</u> %	<u>7.17</u> %	<u>8.57</u> %	
	Relative Performance			1.39%	2.15%	1.76%	1.27%	0.72%	0.53%	0.47%	
	Vanguard Total Stock Market Fund	43,640	4%	(20.86%)	(9.23%)	(0.62%)	4.02%	5.76%	8.98%	10.26%	11/1/2012
	Russell 3000 Index			( <u>20.91</u> %)	( <u>9.15</u> %)	( <u>0.61</u> %)	<u>3.98</u> %	<u>5.74</u> %	<u>8.93</u> %	<u>10.25</u> %	
	Relative Performance			0.05%	(0.07%)	(0.01%)	0.04%	0.02%	0.05%	0.01%	
	Vanguard Russell 1000 Value Fund	17,261	1.5%	(26.73%)	(17.16%)	(6.45%)	(2.20%)	1.83%	NA	2.91%	5/1/2014
	Russell 1000 Value Index			( <u>26.74</u> %)	( <u>17.23</u> %)	( <u>6.51</u> %)	( <u>2.25</u> %)	1.82%	NA	<u>2.90</u> %	
	Relative Performance			0.00%	0.07%	0.06%	0.05%	0.01%	NA	0.01%	
	US Small Cap Equity Composite	21,756	2%	(25.59%)	(16.04%)	(5.23%)	NA	NA	NA	(5.35%)	3/1/2018
2	Blended Benchmark			( <u>30.63</u> %)	( <u>24.05</u> %)	( <u>12.00</u> %)	NA	NA	NA	( <u>12.71</u> %)	į
	Relative Performance			5.04%	8.01%	6.77%	NA	NA	NA	7.36%	
	Vanguard Small Cap S&P 600	10,039	0.9%	(32.62%)	(25.93%)	(13.26%)	NA	NA	NA	(13.50%)	3/1/2018
	Russell 2000 Index			( <u>30.63</u> %)	( <u>24.05</u> %)	( <u>12.00</u> %)	NA	NA	NA	( <u>12.71</u> %)	
	Relative Performance			(1.99%)	(1.87%)	(1.26%)	NA	NA	NA	(0.78%)	
	Virtus KAR Small Cap Core	11,717	1.0%	(18.28%)	(5.65%)	2.97%	NA	NA	NA	3.01%	3/1/2018
	Russell 2000 Index			( <u>30.63</u> %)	( <u>24.05</u> %)	( <u>12.00</u> %)	NA	NA	NA	( <u>12.71</u> %)	
	Relative Performance			12.35%	18.40%	14.98%	NA	NA	NA	15.73%	

> The Domestic Equity composite outperformed for the current quarter by 139 bps.

> The index funds have done a nice job matching their respective indices.

> For the small cap portfolios, Virtus KAR was the big winner for the quarter by outperforming their benchmark by 1235 bps.

<sup>1</sup>The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks.

<sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.

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# VANGUARD TOTAL STOCK MARKET INDEX FUND

#### **Portfolio Characteristics**

	Vanguard Total Stock						
	Market	Russell 3000					
	as	as of					
	12/31/19	3/31/20	3/31/20				
No. of Securities	3,579	3,534	2,976				
P/E Ratio	22.6x	16.9x	16.6x				
Price/Book Ratio	3.2x	2.4x	2.7x				
Avg Mkt Cap (billions)	\$83.0	\$83.9	\$83.9				
Return on Equity	15.7%	17.1%	17.1%				
% in Top 10 Holdings	19.9%	22.4%	22.8%				

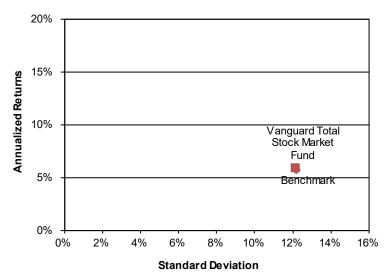
#### Advisor's Mandate

- Passively managed equity index fund (VITSX)
- Inception: November 2012
- > Objective: Match performance of the Russell 3000 Index
- Annual Fee = 0.030%

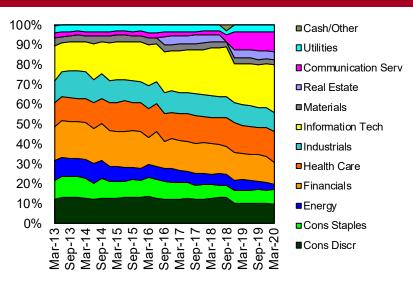
#### Commentary

> Vanguard is doing a nice job matching the index.

### Five-Year Risk/Return



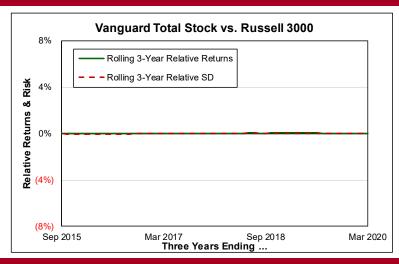
### **Historical Sector Distribution**



Source: Vanguard, Bloomberg, CIA analysis

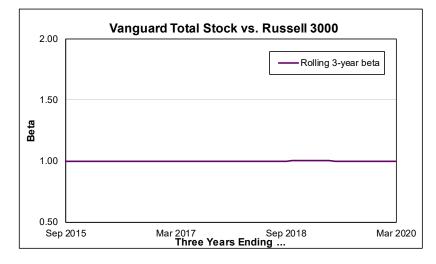


# VANGUARD TOTAL STOCK MARKET INDEX FUND



**Relative Returns & Risk\*** 

#### Beta\*

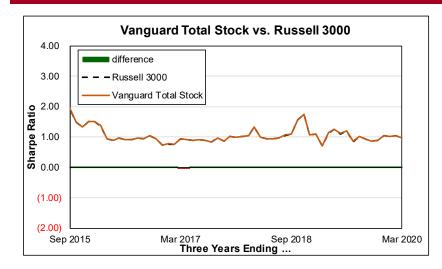


\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Vanguard, Bloomberg, CIA Analysis, Wells Fargo

# Vanguard Total Stock vs. Russell 3000 5% 4% 4% 3% 2% 1% 0% Sep 2015 Mar 2017 Sep 2018 Mar 2020 Three Years Ending ...

**Tracking Error\*** 

### Sharpe Ratio\*



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# VANGUARD RUSSELL 1000 VALUE FUND

#### **Portfolio Characteristics**

	Vanguaro 1000 Value	Russell 1000 Value Index as of			
	0	of			
	12/31/19	3/31/20			
No. of Securities	764	765	765		
P/E Ratio	18.5x	12.6x	12.6x		
Price/Book Ratio	2.1x	1.5x	1.5x		
Avg Mkt Cap (billions)	\$65.0	\$57.4	\$57.4		
Return on Equity	11.7%	13.1%	13.1%		
% in Top 10 Holdings	21.7%	22.5%	22.5%		

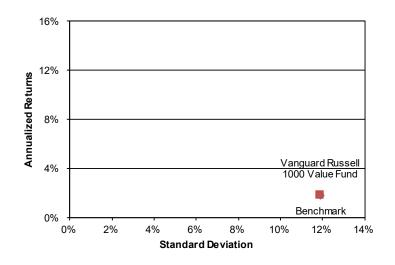
#### Advisor's Mandate

- Passively managed equity index fund (VRVIX)
- Inception: May 2014
- Objective: Match performance of the Russell 1000 Value Index
- > Annual Fee = 0.08%

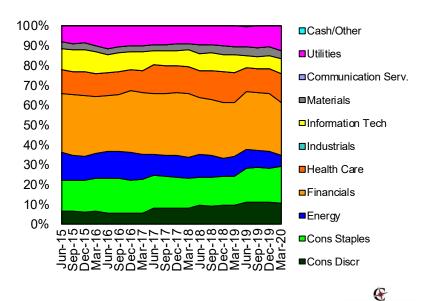
#### Commentary

> Vanguard is doing a nice job matching the index.

### **Five-Year Risk/Return**



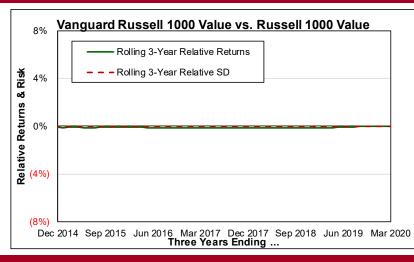
### **Historical Sector Distribution**



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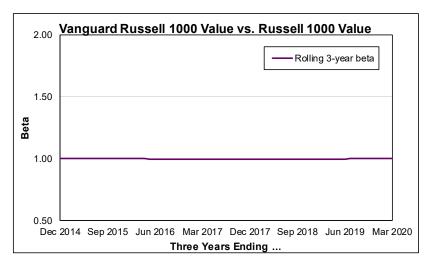


# VANGUARD RUSSELL 1000 VALUE FUND



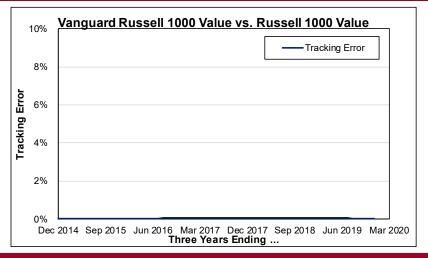
**Relative Returns & Risk\*** 

Beta\*

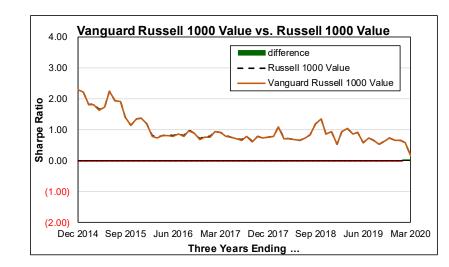


\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Vanguard, Bloomberg, CIA Analysis, Wells Fargo

# Tracking Error\*



# Sharpe Ratio\*







### **Portfolio Characteristics**

	Vanguard S	Vanguard Small Cap				
	as	as of				
	12/31/19	3/31/20				
No. of Securities	602	602	2,000			
P/E Ratio	18.4x	13.2x	13.2x			
Price/Book Ratio	1.7x	1.2x	2.4x			
Avg Mkt Cap (billions)	\$1.9	\$1.5	\$2.1			
% in Top 10 Holdings	4.7%	6.5%	4.4%			

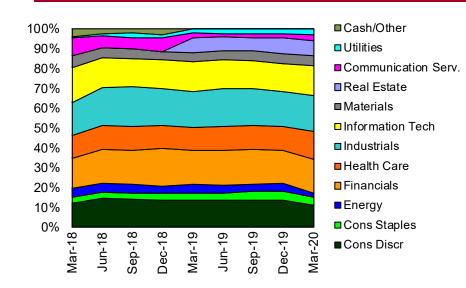
# Advisor's Mandate

- Passively managed equity index fund (VSMSX)
- Inception: March 2018
- Objective: Exceed performance of the Russell 2000 Index
- Annual Fee = 0.08%

### Commentary

The fund underperformed the benchmark by 199 basis points (1.99%) for the quarter.

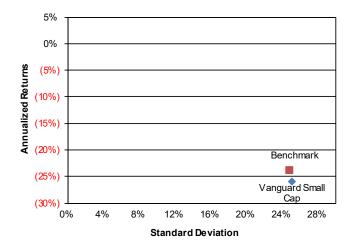
# **Historical Sector Distribution**



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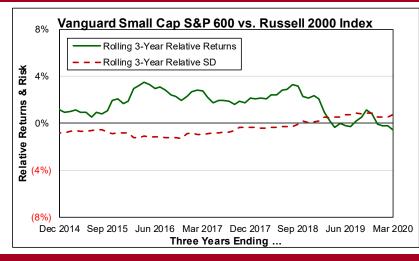
# **One-Year Risk/Return**



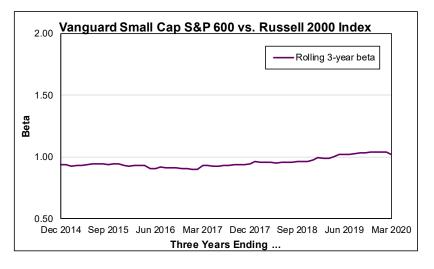


# VANGUARD SMALL CAP S&P 600 FUND

# **Relative Returns & Risk\***

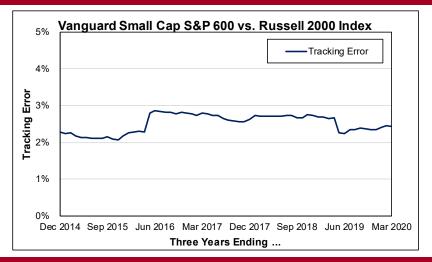


Beta\*

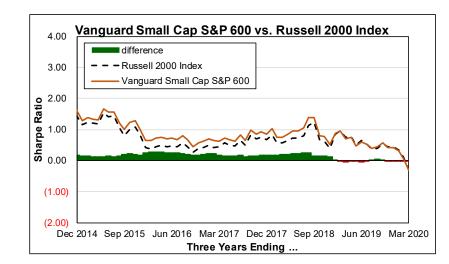


\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Vanguard, Bloomberg, CIA Analysis, Wells Fargo

# **Tracking Error\***



# Sharpe Ratio\*







# **Portfolio Characteristics**

	Virtus KA Cap a		Russell 2000 as of
	12/31/19	3/31/20	
No. of Securities	27	27	2,000
P/E Ratio	26.8x	20.4x	13.2x
Price/Book Ratio	5.2x	4.1x	2.4x
Avg Mkt Cap (billions)	\$8.8	\$6.9	\$2.1
% in Top 10 Holdings	55.2%	54.7%	4.4%

### **Advisor's Mandate**

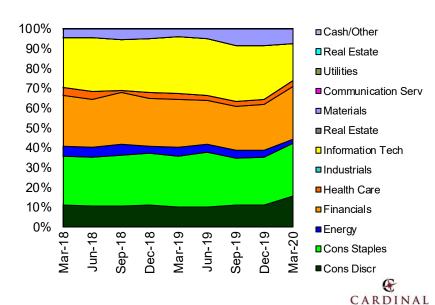
- Actively managed equity index fund (PKSFX)
- Inception: March 2018
- Objective: Exceed performance of the Russell 2000 Index.
  - Annual Fee = 1.03%

>

### Commentary

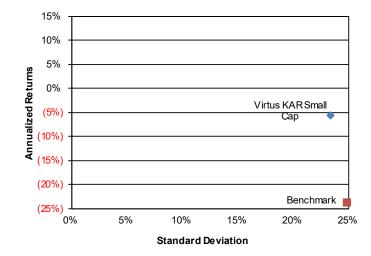
The fund outperformed the benchmark by 1235 basis points (12.35%) for the quarter.

# **Historical Sector Distribution**



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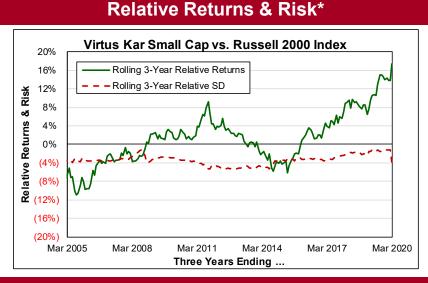
### **One-Year Risk/Return**



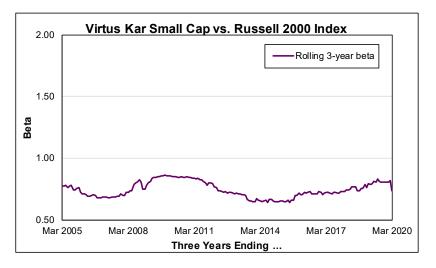
Source: Virtus, Bloomberg, CIA analysis



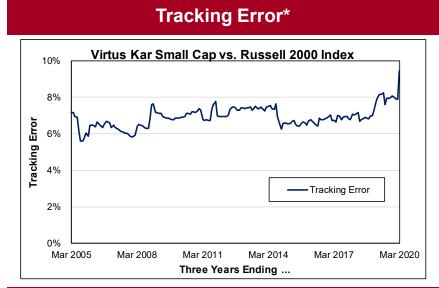
# VIRTUS KAR SMALL CAP FUND



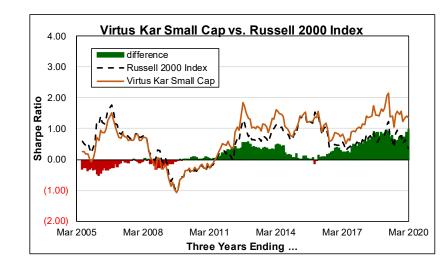
### Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Virtus, Bloomberg, CIA Analysis, Wells Fargo



# Sharpe Ratio\*



### CARDINAL INVESTMENT ADVISORS



# Pretax, Net of Fees Performance as of March 31, 2020

			% of								
	Portfolio	Market Value (\$000s)	Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
	International Equity Composite	46,250	4.1%	(25.08%)	(16.75%)	(10.95%)	(2.53%)	(0.96%)	NA	0.28%	5/1/2013
2	Blended Benchmark			( <u>24.66</u> %)	( <u>16.81</u> %)	( <u>11.51</u> %)	( <u>2.88</u> %)	(0.93%)	NA	<u>0.36</u> %	
	Relative Performance			(0.42%)	0.06%	0.55%	0.35%	(0.02%)	NA	(0.07%)	
	International All Cap Equity Composite	41,347	3.7%	(24.79%)	(16.32%)	(10.94%)	(2.42%)	(0.60%)	NA	0.65%	5/1/2013
2	Blended Benchmark			( <u>24.02</u> %)	( <u>16.09</u> %)	( <u>10.67</u> %)	( <u>2.37</u> %)	(0.64%)	NA	<u>0.64</u> %	i i
Ĺ	Relative Performance			(0.76%)	(0.23%)	(0.27%)	(0.05%)	0.04%	NA	0.02%	j
	Vanguard Total International Stock Fund	24,471	2.2%	(24.30%)	(16.53%)	(11.03%)	(2.49%)	(0.64%)	NA	0.63%	5/1/2013
	FTSE Global All Cap ex US Index			( <u>24.02</u> %)	( <u>16.09</u> %)	( <u>10.67</u> %)	( <u>2.37</u> %)	( <u>0.64</u> %)	NA	<u>0.64</u> %	
	Relative Performance			(0.27%)	(0.44%)	(0.36%)	(0.12%)	0.00%	NA	(0.01%)	
	City of London	6,487	0.6%	(29.87%)	(21.36%)	NA	NA	NA	NA	(15.95%)	8/1/2018
	FTSE Global All Cap ex US Index			( <u>24.03</u> %)	( <u>16.09</u> %)	NA	NA	NA	NA	( <u>12.44</u> %)	
	Relative Performance			(5.84%)	(5.27%)	NA	NA	NA	NA	(3.51%)	
	EuroPacific Growth Fund	10,388	0.9%	(22.44%)	(12.67%)	NA	NA	NA	NA	(8.42%)	7/1/2018
	FTSE Global All Cap ex US Index			( <u>24.03</u> %)	(16.09%)	NA	NA	NA	NA	( <u>10.77</u> %)	
	Relative Performance			1.59%	3.42%	NA	NA	NA	NA	2.34%	
<b>[</b> ]	International Small Cap Equity Composite	4,903	0%	(27.23%)	(19.60%)	(13.52%)	(2.83%)	1.41%	NA	1.58%	8/8/2014
2	Blended Benchmark			( <u>29.67</u> %)	( <u>22.50</u> %)	( <u>16.38</u> %)	( <u>5.95</u> %)	( <u>2.01</u> %)	NA	( <u>2.64</u> %)	ł
Ĺ_	Relative Performance			2.44%	2.90%	2.86%	3.12%	3.42%	NA	4.22%	j
	DFA International Small Cap Fund	2,093	0.2%	(33.69%)	(26.14%)	(20.65%)	(9.94%)	(3.32%)	NA	(3.20%)	8/8/2014
	FTSE Global Small Cap ex US Index			( <u>29.67</u> %)	( <u>22.50</u> %)	( <u>16.38</u> %)	( <u>5.95</u> %)	( <u>2.01</u> %)	NA	( <u>2.64</u> %)	
	Relative Performance			(4.03%)	(3.65%)	(4.27%)	(3.99%)	(1.31%)	NA	(0.56%)	
	Oppenheimer International Small Cap	2,810	0.2%	(21.46%)	(13.89%)	(6.77%)	4.03%	5.84%	NA	6.14%	8/8/2014
	FTSE Global Small Cap ex US Index			( <u>29.67</u> %)	( <u>22.50</u> %)	( <u>16.38</u> %)	( <u>5.95</u> %)	( <u>2.01</u> %)	NA	( <u>2.64</u> %)	
	Relative Performance			8.21%	8.61%	9.61%	9.98%	7.86%	NA	8.78%	

> The International Equity Composite underperformed for the quarter by 42 basis points.

• Oppenheimer was the big winner for the quarter beating its relative benchmark by 8.21%.

<sup>1</sup>The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks.

<sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.





# VANGUARD TOTAL INTERNATIONAL STOCK FUND

# **Portfolio Characteristics**

	Vanguard Stock as	Fund	FTSE Global All Cap ex US Index as of
	12/31/19	3/31/20	3/31/20
No. of Holdings	7,423	7,521	7,134
P/E Ratio	15.4x	12.6x	12.6x
Price/Book Ratio	1.6x	1.2x	1.2x
Avg Mkt Cap (billion)	\$28.6	\$23.4	\$23.4
Dividend Yield	3.1%	3.8%	3.8%
Return on Equity	12.4%	12.9%	12.9%
% in Top 10 Holdings	9.6%	11.0%	11.0%

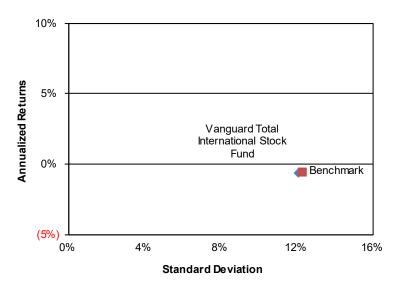
### **Advisor's Mandate**

- Passively-managed equity index fund (VTSNX)
- Inception: May 2013
- Objective: Match performance of the FTSE Global All Cap ex US Index
- Annual Fee = 0.08%

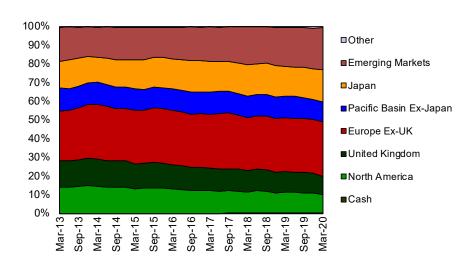
### Commentary

> This is a hugely diversified, low-cost fund.

# Five-Year Risk/Return



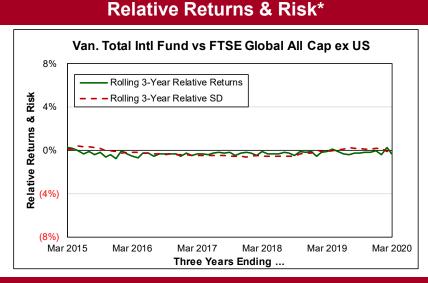
# **Historical Country Distribution**



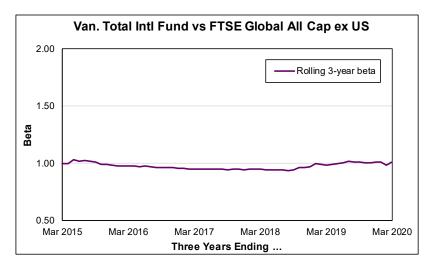




# VANGUARD TOTAL INTERNATIONAL STOCK FUND



### Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Vanguard, Bloomberg, CIA Analysis, Wells Fargo

# Van. Total Inti Fund vs FTSE Global All Cap ex US 10.0% 8.0% 6.0% 4.0% 2.0% 0.0%

**Tracking Error\*** 

# Sharpe Ratio\*

Three Years Ending ...

Mar 2018

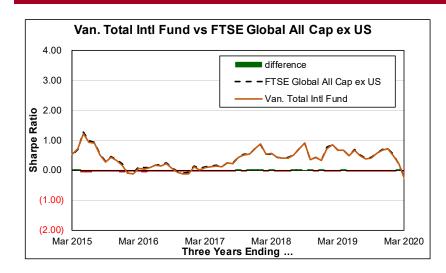
Mar 2019

Mar 2020

Mar 2017

Mar 2015

Mar 2016



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### 43

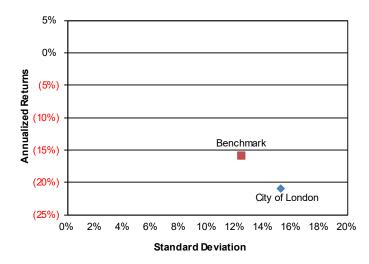


# **CITY OF LONDON FUND**

# **Portfolio Characteristics**

			FTSE Global All Cap sx US
	City of I	London	Index
	as	of	as of
	12/31/19	3/31/20	3/31/20
No. of Holdings	53	53	7,134
P/E Ratio	15.9x	12.7x	12.6x
Price/Book Ratio	1.7x	1.3x	1.2x
Avg Mkt Cap (billion)	\$9.4	\$7.1	\$23.4
Dividend Yield	3.1%	3.9%	3.8%
Return on Equity	10.7%	10.6%	12.9%
% in Top 10 Holdings	38.4%	43.0%	11.0%

# **One-Year Risk/Return**



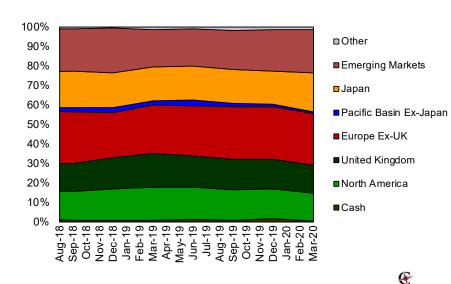
# **Advisor's Mandate**

- Actively-managed International Commingled fund
- Inception: August 2018
- Objective: Exceed total return of the FTSE Global All Cap ex US
- Annual Fee = 0.70%

# Commentary

- City of London underperformed their benchmark by 584 basis points for the quarter. This is expected in times of market uncertainty.
- The fund's holdings are at greater than a 10% discount to NAV, so the investment thesis remains intact.

# **Historical Country Distribution**

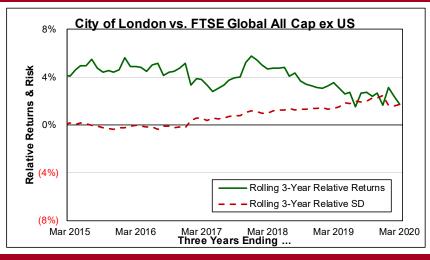


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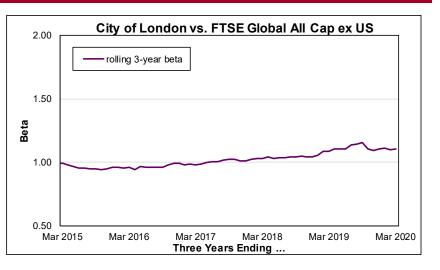


# **CITY OF LONDON FUND**

# **Relative Returns & Risk\***



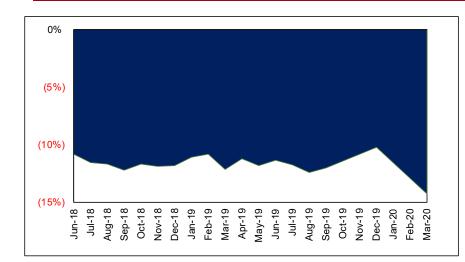
# Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: City of London, Bloomberg, CIA Analysis, Wells Fargo



# **Discount to NAV**



### CARDINAL INVESTMENT ADVISORS

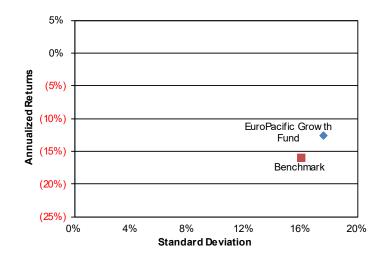


# **EUROPACIFIC GROWTH FUND**

# **Portfolio Characteristics**

			FTSE Global All Cap sx US Index
	EuroPac	itic as of	as of
	12/31/19	3/31/20	3/31/20
No. of Holdings	290	315	7,134
P/E Ratio	17.4x	16.7x	12.6x
Price/Book Ratio	2.3x	2.1x	1.2x
Avg Mkt Cap (billion)	\$48.0	\$45.7	\$23.4
Dividend Yield	1.1%	1.6%	3.8%
Return on Equity	17.6%	15.1%	12.9%
% in Top 10 Holdings	22.0%	18.8%	11.0%

### **One-Year Risk/Return**



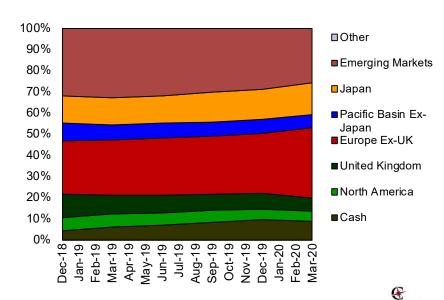
# Advisor's Mandate

- Actively managed equity index fund (FEUPX)
- Inception: July 2018
- Objective: Exceed total return of the FTSE Global All Cap ex US
- Annual Fee = 0.49%

# Commentary

The EuroPacific Growth Fund outperformed its benchmark for the quarter by 1.59%.

# **Historical Country Distribution**



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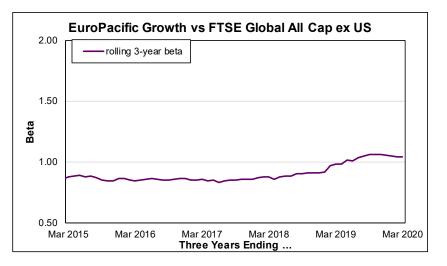


# **EUROPACIFIC GROWTH FUND**

# **Relative Returns & Risk\***



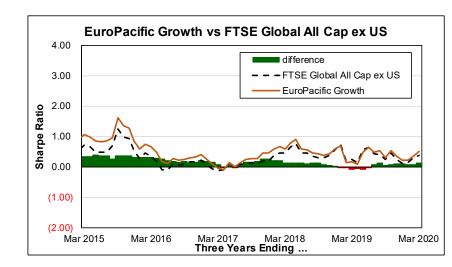
### Beta\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: EuroPacific, Bloomberg, CIA Analysis, Wells Fargo

#### EuroPacific Growth vs FTSE Global All Cap ex US 10% Tracking Error 8% Tracking Error 6% 4% 2% 0% Mar 2015 Mar 2016 Mar 2017 Mar 2018 Mar 2019 Mar 2020 Three Years Ending ...

# Sharpe Ratio\*





# **Tracking Error\***



# DFA INTERNATIONAL SMALL CAP FUND

# **Portfolio Characteristics**

	DFA Intl Sn	nall Cap as	FTSE Global Small Cap ex US Index
	0	as of	
	12/31/19	3/31/20	3/31/20
No. of Securities	2,070	2,028	7,134
P/E Ratio	11.3x	10.1x	12.6x
Price/Book Ratio	0.8x	0.5x	1.2x
Avg Mkt Cap (billions)	\$2.0	\$1.3	\$23.4
% in Top 10 Holdings	6.9%	6.8%	11.0%

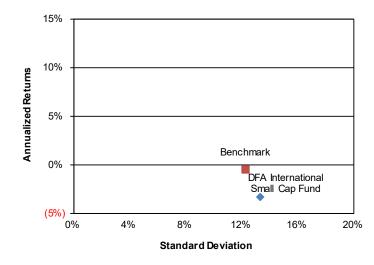
# Advisor's Mandate

- Actively managed equity index fund (DISVX)
- Inception: August 2014
- Objective: Exceed total return of the FTSE Global Small Cap ex US
- Annual Fee = 0.68%

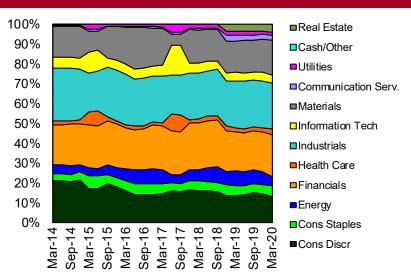
### Commentary

DFA underperformed their benchmark by 403 bps for the quarter and since inception has underperformed by 56 bps annually.

# Five-Year Risk/Return



# **Historical Sector Distribution**



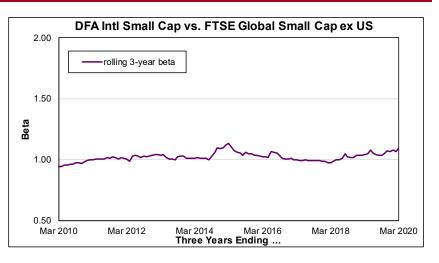


# DFA INTERNATIONAL SMALL CAP FUND

# **Relative Returns & Risk\***



# Beta\*

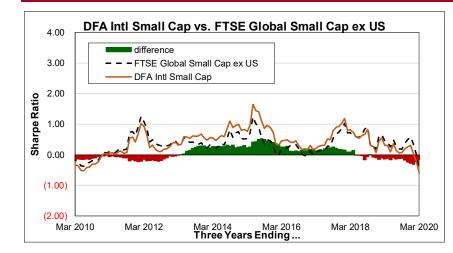


#### \*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: DFA, Bloomberg, CIA Analysis, Wells Fargo

#### DFA Intl Small Cap vs. FTSE Global Small Cap ex US 10% Tracking Error 8% Tracking Error 6% 4% 2% 0% Mar 2010 Mar 2012 Mar 2014 Mar 2016 Mar 2018 Mar 2020 Three Years Ending ...

**Tracking Error\*** 

# Sharpe Ratio\*





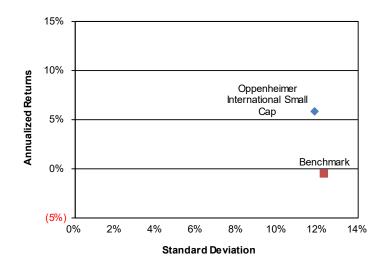


# **OPPENHEIMER INTERNATIONAL SMALL CAP FUND**

### **Portfolio Characteristics**

	Oppenhe Small as	Сар	FTSE Global Small Cap ex US Index as of
	12/31/19	3/31/20	3/31/20
No. of Securities	118	112	7,134
P/E Ratio	26.1x	25.6x	12.6xx
Price/Book Ratio	2.1x	4.4x	1.2x
Avg Mkt Cap (billions)	\$4.5	\$6.1	\$23.4
% in Top 10 Holdings	22.0%	27.7%	0.1%

### **Five-Year Risk/Return**

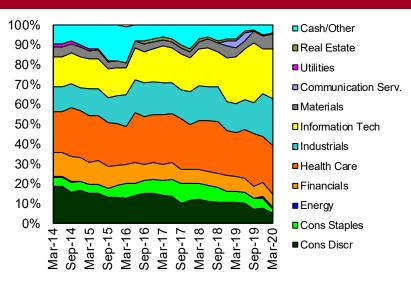


### Advisor's Mandate

- Actively managed equity index fund (OSMYX)
- Inception: August 2014
- Objective: Exceed total return of the FTSE Global Small Cap ex US Index
- Annual Fee = 1.15%

### Commentary

Oppenheimer outperformed their benchmark by 821 basis points for the quarter and since inception outperformed by 878 basis points annually.

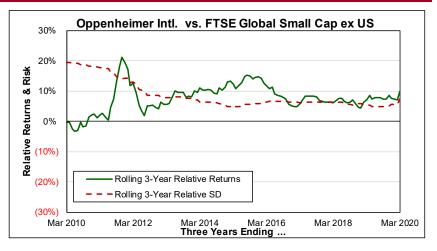


### **Historical Sector Distribution**

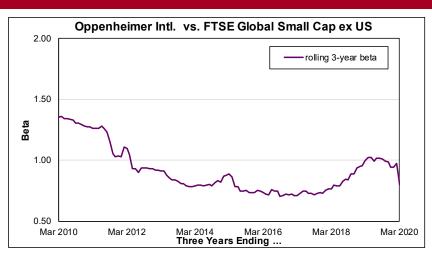


# **OPPENHEIMER INTERNATIONAL SMALL CAP FUND**

# **Relative Returns & Risk\***

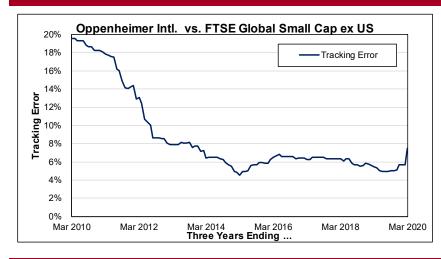


# Beta\*

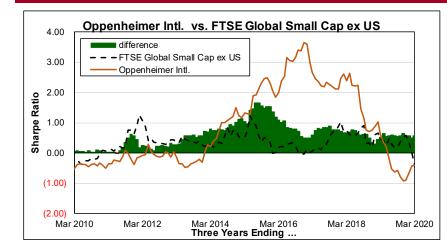


\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Oppenheimer, Bloomberg, CIA Analysis, Wells Fargo

# **Tracking Error\***



# Sharpe Ratio\*







# **INVESTMENT PERFORMANCE**

# Pretax, Net of Fees Performance as of March 31, 2020

Portfolio	Market Value (\$000s)	% of Overall	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
Vanguard Global Minimum Volatility	31,299	2.8%	(20.92%)	NA	NA	NA	NA	NA	(19.81%)	12/1/2019
FTSE All-World Index			(21.45%)	NA	NA	NA	NA	NA	( <u>18.65</u> %)	
Relative Performance			0.54%	NA	NA	NA	NA	NA	(1.16%)	
Vanguard Global Minimum Volatility	31,299	3.0%	(20.92%)	NA	NA	NA	NA	NA	(19.81%)	12/1/2019
FTSE All-World Index			( <u>21.45</u> %)	NA	NA	NA	NA	NA	( <u>18.65</u> %)	
Relative Performance			0.54%	NA	NA	NA	NA	NA	(1.16%)	

> The Vanguard Global Minimum Volatility first funding was last quarter and will have three more fundings this year.

<sup>1</sup>The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks. <sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.





# VANGUARD MINIMUM VOLATILITY

# **Portfolio Characteristics**

	Vanguard as	FTSE All- World as of	
	12/31/19	3/31/20	3/31/20
No. of Securities	491	446	3,964
P/E Ratio	20.4x	16.2x	15.1x
Price/Book Ratio	2.1x	1.8x	1.8x
Avg Mkt Cap (billions)	\$11.9	\$11.7	\$10.1
% in Top 10 Holdings	12.8%	13.9%	13.6%

**One-Year Risk/Return** 

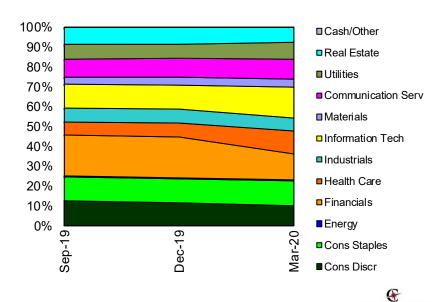
# Advisor's Mandate

- Passively managed equity index fund (VMNVX)
- Inception: November 2019
- Objective: Exceed total return of the FTSE All-World Index
- Annual Fee = 0.15%

### Commentary

The portfolio outperformed their benchmark by 54bps for the quarter.

# **Historical Sector Distribution**



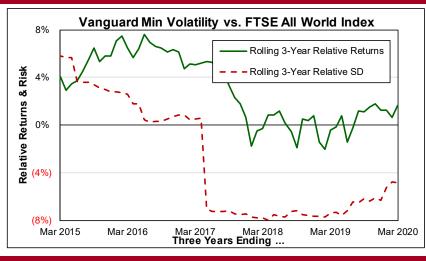
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N/A

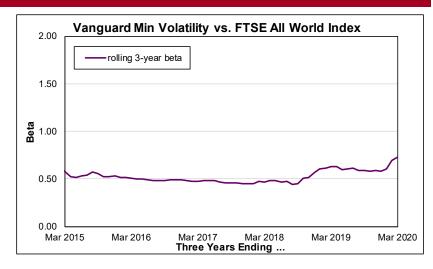


# VANGUARD MINIMUM VOLATILITY

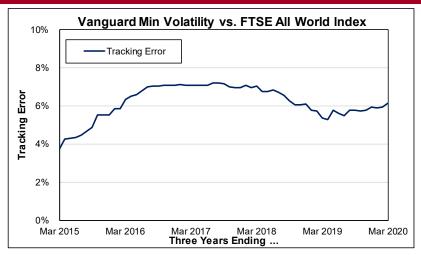
# **Relative Returns & Risk\***



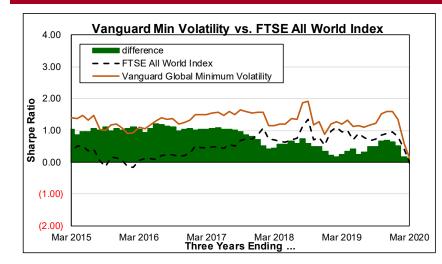
# Beta\*



Tracking Error\*



# Sharpe Ratio\*



\*Mutual Fund returns were used for periods longer than the actual investment period for LAPCF. Source: Vanguard, Bloomberg, CIA Analysis, Wells Fargo





# Pretax, Net of Fees Performance as of March 31, 2020

Portfolio	Market Value (\$000s)	% of Overall Portfolio	Quarter	One Year	Two Years	Three Years	Five Years	Seven Years	Since Inception	Inception Date
Private Real Estate Composite	3,582	0.3%	2.33%	NA	NA	NA	NA	NA	2.33%	1/1/2020
<sup>2</sup> Blended Benchmark			( <u>27.02</u> %)	NA	NA	NA	NA	NA	( <u>27.02</u> %)	
Relative Performance			29.35%	NA	NA	NA	NA	NA	29.35%	
Invesco US Income Fund LP	3,582	0.3%	2.33%	NA	NA	NA	NA	NA	2.33%	1/1/2020
MSCI U.S. Reit			(27.02%)	NA	NA	NA	NA	NA	( <u>27.02</u> %)	
Relative Performance			29.35%	NA	NA	NA	NA	NA	29.35%	

> Invesco U.S. Income fund had their first capital call in January.

- > AEW is schedule to have their first call next quarter.
- This perceived outperformance is driven by the index reflecting daily valuations, while the Invesco fund is a private vehicle that reprices more slowly.

<sup>1</sup>The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks.

<sup>2</sup>The blended benchmark consists of a market weighted blend of the underlying portfolio benchmarks.

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# **INVESCO U.S. INCOME FUND**

### **Portfolio Characteristics**

	Invesco U.S. Income			
	Fund as of			
	12/31/19 3/31/2			
Investors	18	19		
Gross Asset Value	\$1.9M	\$2.0M		
Portfolio Leased	93.7%	93.7%		
Contributions	\$21.1M	\$27.8M		
Trailing 4Q Gross Dist. Yield	5.3%	5.3%		

**One-Year Risk/Return** 

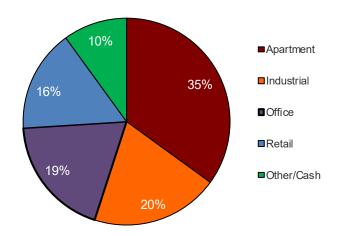
### **Advisor's Mandate**

- > Passively managed private real estate fund
- Inception: January 2020
- > Objective: Exceed total return of the MSCI U.S. Reit
- Annual Fee = 1.20% on the first \$50M, and 1.10% from \$50M-100M and then 1.00% for the remaining.

### Commentary

The portfolio outperformed their benchmark by 2935bps for the quarter.

# **Property Type Breakdown**





N/A