MARCH 3, 2020

AGENDA ITEM 3 INFORMATION ITEM

CALIFORNIA ABLE ACT BOARD

Review of CalABLE Investment Performance for Fourth Quarter 2019

Background

The CalABLE Act Board and its investment consultant, Meketa Investment Group, Inc. (Meketa) monitor all portfolios in the CalABLE (Plan). In this item, CalABLE will review and "Investment Performance Report" (Exhibit A) for the Plan for fourth quarter 2019, provided by TIAA Tuition Financing, Inc., and the "Investment Performance Status Report" (Exhibit B) for fourth quarter 2019, provided by Meketa. Exhibit B provides comparisons for each underlying fund allocated to the portfolios used in the Plan to applicable benchmark criteria and labels the current status of the funds as "positive," "acceptable," "caution," or "watch."

Attachments

- CalABLE Performance 4Q19
- TFI CalABLE Performance Report 4Q19

Presenters

Glenn Friedman, Manager, TIAA Tuition Financing Inc. Eric White, Principal, Meketa Investment Group, Inc.



Quarterly Investment Report

4th Quarter, 2019

BUILT TO PERFORM.

CREATED TO SERVE

For Institutional client use only. Not for distribution.

Before investing in the California Achieving a Better Life Experience (CalABLE) Program, you should consider the investment objectives, risks, charges, and expenses. The information contained in this report is subject to further change and amendments over time. Some changes may occur due to the result of adjustments. For a prospectus containing this and other information, as well as a Participant Agreement and Disclosure Statement, please call (833) 225-2253 or view it online at https://calable.ca.gov/. Please read these documents carefully before investing.

TIAA-CREF Tuition Financing, Inc., Program Manager. TIAA-CREF Individual & Institutional Services, LLC, member FINRA and SIPC, distributor and underwriter for the CalABLE plan.



Market Overview: Q4 2019



Key Themes

 The same economic and political themes that persisted much of the year continued in the fourth quarter. We saw uneasy international relations and uncertainty regarding international trade; however, there was optimism around the potential for a Phase I trade deal with China.

Equities

Ten of eleven U.S. equity sectors had positive results. Information
Technology had the highest returns, registering 14.40% for the quarter,
while Real Estate lagged, falling 0.54%. Non-U.S. developed and
emerging markets both had a strong showing, with EM outperforming most
other markets.

Fixed Income

 At the December FOMC meeting, the Federal Reserve Board maintained the current level for its benchmark fed funds rate. The statement released from Chair Powell struck a dovish tone by emphasizing that the Fed has no plans to re-raise interest rates in the near term, stating that monetary policy is "appropriate to sustain the current expansion." Fixed income yields rose for the quarter but had little reaction to this news.

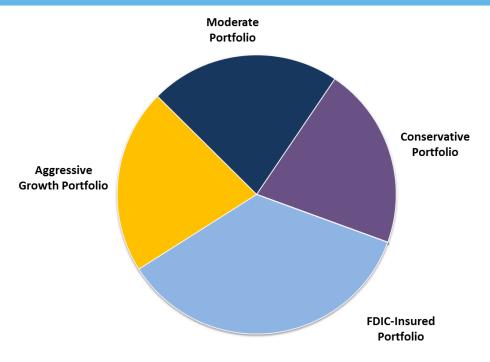
Past performance is not indicative of future results. You can not invest directly in an index. U.S. Equities – Russell 3000 Index; U.S. Growth Stocks – Russell 1000 Growth Index; U.S. Value Stocks – Russell 1000 Value Index; U.S. Mid Cap Stocks – Russell Midcap Index; U.S. Small-Cap Stocks – Russell 2000 Index; International Developed Markets – MSCI EAFE Index; Emerging Markets – MSCI Emerging Markets Index; Real Estate Stocks – FTSE NAREIT All Equity REITS Index; U.S. Investment Grade Bonds – Bloomberg Barclays U.S. Aggregate Bond Index; Longdated Bonds – Bloomberg Barclays U.S. Government/Credit Long Index; Inflation-Linked Bonds – Bloomberg Barclays TIPS 1-10 Years Index; High Yield Bonds – BofA Merrill Lynch BB/B Cash Pay Index; Commodities - Bloomberg Commodity Index; Cash - Bloomberg Barclays U.S. 3 month Treasury Bellweathers Index C34631

Asset Class	3 Month	1 Year	3 Year	5 Year
U.S. Equities	9.10	31.02	14.57	11.24
U.S. Growth Stocks	10.62	36.39	20.49	14.63
U.S. Value Stocks	7.41	26.54	9.68	8.29
U.S. Mid-Cap Stocks	7.06	30.54	12.06	9.33
U.S. Small-Cap Stocks	9.94	25.52	8.59	8.23
Int'l Developed Stocks	8.17	22.01	9.56	5.67
Emerging Markets Stocks	11.84	18.42	11.57	5.61
Real Estate Stocks	0.13	28.66	10.29	8.43
U.S. Investment Grade Bonds	0.18	8.72	4.03	3.05
Long-dated Bonds	-1.12	19.59	8.07	5.42
Inflation-Linked Bonds	1.00	6.85	2.79	2.36
High Yield Bonds	2.57	15.09	6.44	6.11
Commodities	4.42	7.69	-0.94	-3.92
Cash	0.47	2.30	1.68	1.09
Annualized Tuition Inflation E	nding as of	2019-2020	Academic	: Year* (%)
Educational Institution	1 Year	3 Year	5 Year	
National Average Public 4-Year	In-state	2.25	2.59	2.67
National Average Private Nonpro	ofit 4-Year	3.36	3.26	3.35
Consumer Price Index, December	er 2019	2.29	2.10	1.82

*Data are for the entire academic year and are average total charges for full-time attendance. Tuition and fees were enrollment weighted. SOURCES: CollegeBoard, Trends in College Pricing 2019 and U.S. Department of Labor: Bureau of Labor Statistics

Assets by Portfolio as of Q4 2019 Total Assets: \$13.5M



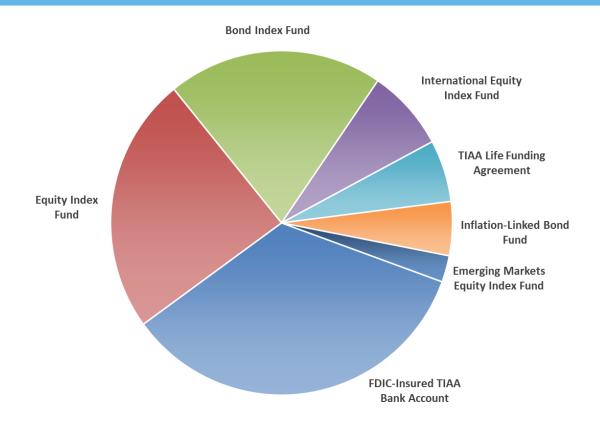


Assets (in thousands)

Portfolio	October	November	December	Quarter-End % of Assets
FDIC-Insured Portfolio	\$3,452	\$3,757	\$4,531	34%
Aggressive Growth Portfolio	\$2,004	\$2,293	\$3,052	23%
Moderate Portfolio	\$2,104	\$2,388	\$3,056	23%
Conservative Portfolio	\$2,078	\$2,317	\$2,863	21%
Total Assets	\$9,637	\$10,756	\$13,502	100%

Assets by Underlying Fund as of Q4 2019

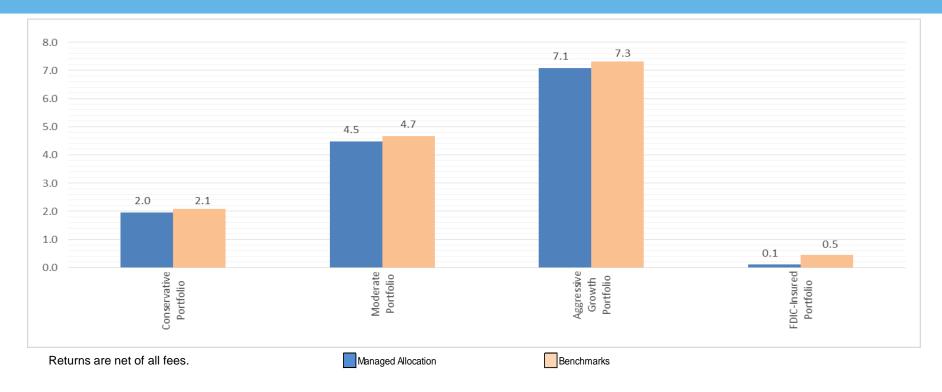




	% of Assets	(\$K)		% of Assets	(\$K)
FDIC-Insured TIAA Bank Account	34%	\$4,531	International Equity Index Fund	8%	\$1,032
Equity Index Fund	24%	\$3,294	TIAA Life Funding Agreement	6%	\$841
Bond Index Fund	21%	\$2,770	Inflation-Linked Bond Fund	5%	\$690
			Emerging Markets Equity Index Fund	3%	\$344

Investment Portfolios vs Composite Benchmarks Q4 2019 (%)





- Total nonfarm payroll employment increased by 145,000 in December, capping a decade of solid job creation and robust wage growth but falling just shy of economist expectations of 160,000.
- Average hourly earnings of all employees on private nonfarm payrolls showed a 3.1% year-over-year increase from last October.
- The Conference Board's index of leading economic indicators (LEI) remained unchanged in November, following a 0.2% decline in both October and September.
- · All investment portfolios had positive absolute returns in Q4.
- Contributing to absolute returns was the TIAA-CREF Emerging Markets Equity Index Fund, which generated 11.76% in Q4. Also contributing to absolute performance was the TIAA-CREF Equity Index Fund, which added 9.06% in the quarter.
- The program is primarily composed of index funds, which have an objective to replicate respective benchmark returns gross of fees. Tracking error for the underlying funds in Q4 remained small.

Investment Portfolios vs Composite Benchmarks



Average Annual Total Return

							•		_
	October	November	December	3 Month	YTD	1 Year	3 Year	Since Inception	Inception Date
Managed Allocation Option									
Conservative Portfolio	0.65%	0.55%	0.73%	1.95%	9.79%	9.79%	-	9.52%	12/17/18
Blended Benchmark Returns	0.73%	0.60%	0.74%	2.09%	10.60%	10.60%	-	10.32%	
Difference	-0.08%	-0.05%	-0.01%	-0.14%	-0.81%	-0.81%	-	-0.80%	
Moderate Portfolio	1.35%	1.50%	1.57%	4.48%	16.73%	16.73%	-	15.84%	12/17/18
Blended Benchmark Returns	1.46%	1.44%	1.70%	4.67%	17.74%	17.74%	-	16.60%	
Difference	-0.11%	0.06%	-0.13%	-0.19%	-1.01%	-1.01%	-	-0.76%	
Aggressive Growth Portfolio	2.01%	2.31%	2.60%	7.08%	23.36%	23.36%	-	21.59%	12/17/18
Blended Benchmark Returns	2.16%	2.32%	2.67%	7.32%	24.03%	24.03%	-	21.89%	
Difference	-0.15%	-0.01%	-0.07%	-0.24%	-0.67%	-0.67%	-	-0.30%	
FDIC-Insured Portfolio	0.10%	0.00%	0.00%	0.10%	0.40%	0.40%	-	0.39%	12/17/18
FTSE 3-Month T-Bill	0.17%	0.15%	0.14%	0.46%	2.25%	2.25%	-	2.26%	
Difference	-0.07%	-0.15%	-0.14%	-0.36%	-1.85%	-1.85%	-	-1.87%	

Returns are net of all fees.

The crediting rate of 1.75% for the Funding Agreement in the Conservative Portfolio and Moderate Portfolio is guaranteed through 12/30/19.

Asset Allocation, Fees, and Performance



Portfolio	Q4 Option Return	Annual Asset Based Fees (bp)*	TIAA-CREF Equity Index Fund	TIAA-CREF International Equity Index Fund	TIAA-CREF Emerging Markets Equity Index Fund	TIAA-CREF Bond Index Fund	TIAA-CREF Inflation- Linked Bond Fund	T-C Life Funding Agreement	FDIC- Insured TIAA Bank Account
Underlying Fund Expenses (bp)			5	6	20	11	26	N/A	N/A
Conservative Portfolio	1.95%	53	14.00%	4.50%	1.50%	44.00%	11.00%	25.00%	
Moderate Portfolio	4.48%	53	35.00%	11.25%	3.75%	36.00%	9.00%	5.00%	
Aggressive Growth Portfolio	7.08%	52	56.00%	18.00%	6.00%	16.00%	4.00%	0.00%	
FDIC-Insured Portfolio**	0.10%	44							100.00%

Underlying Fund Rating

POSITIVE POSITIVE POSITIVE POSITIVE POSITIVE POSITIVE	POSITIVE						
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^{*} Asset Based Fees include estimated Underlying Investment Expenses and State Administrative Fees.

^{**}Currently, the 0.44% State Administrative Fee for the FDIC-Insured Portfolio is being waived by the Board. The Board reserves the right to charge a State Administrative Fee to the FDIC-Insured Portfolio in the future to the extent that the imposition of such Fee would not result in a loss of principal for Account Owners.

Underlying Funds vs. Benchmarks



Average Annual Total Return

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	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Life	Incept. Date
TIAA-CREF FUNDS								
T-C Bond Index Fund	0.01%	8.38%	8.38%	3.87%	2.90%	3.58%	3.52%	09/14/2009
Bloomberg Barclays U.S. Aggregate Bond Index	0.18%	8.72%	8.72%	4.03%	3.05%	3.75%	3.72%	
Difference	-0.17%	-0.34%	-0.34%	-0.16%	-0.15%	-0.17%	-0.20%	
T-C Emerging Markets Equity Index Fund*	11.76%	18.57%	18.57%	11.67%	5.66%	-	3.67%	08/31/2010
MSCI Emerging Markets Index	11.84%	18.42%	18.42%	11.58%	5.61%	-	3.98%	
Difference	-0.08%	0.15%	0.15%	0.09%	0.05%	-	-0.31%	
T-C Equity Index Fund	9.06%	30.87%	30.87%	14.53%	11.21%	13.37%	6.55%	07/01/1999
Russell 3000 Index	9.10%	31.02%	31.02%	14.58%	11.24%	13.42%	6.62%	
Difference	-0.04%	-0.15%	-0.15%	-0.05%	-0.03%	-0.05%	-0.07%	
T-C Inflation-Linked Bond Fund	0.80%	6.59%	6.59%	2.57%	1.93%	2.90%	3.92%	10/01/2002
Bloomberg Barclays 1-10 Year U.S. TIPS Index	1.00%	6.85%	6.85%	2.79%	2.36%	2.57%	3.73%	
Difference	-0.20%	-0.26%	-0.26%	-0.22%	-0.43%	0.33%	0.19%	
T-C International Equity Index Fund*	7.90%	21.79%	21.79%	9.82%	5.93%	5.65%	7.75%	10/01/2002
MSCI EAFE Index	8.17%	22.01%	22.01%	9.57%	5.67%	5.50%	7.71%	
Difference	-0.27%	-0.22%	-0.22%	0.25%	0.26%	0.15%	0.04%	

^{*} For funds holding securities traded on foreign exchange that close before the U.S. market, fair value pricing creates tracking error relative to a benchmark index that uses foreign closing prices.





CalABLE Plans March 3, 2020

4Q19 Performance & Evaluation Report



CalABLE Plans Agenda

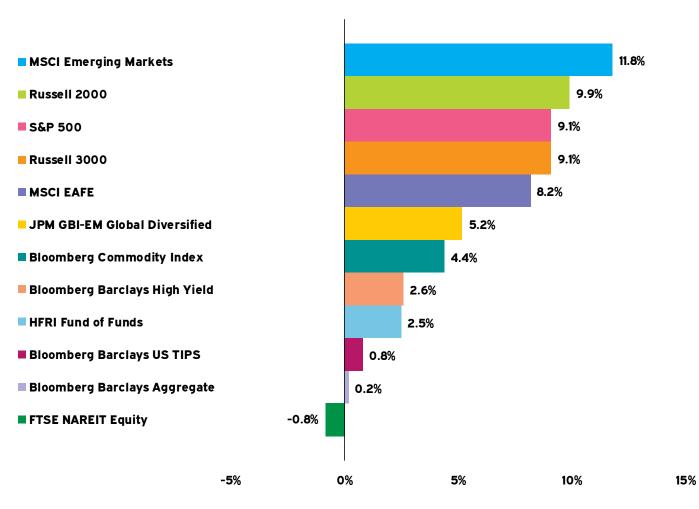
- 1. The World Markets in the Fourth Quarter of 2019
- 2. Summary of Monitoring Status
- 3. CalABLE Portfolios Analysis
- 4. CalABLE Underlying Funds Analysis
- 5. Fee Schedule

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The World Markets Fourth Quarter of 2019







¹ Source: InvestorForce.



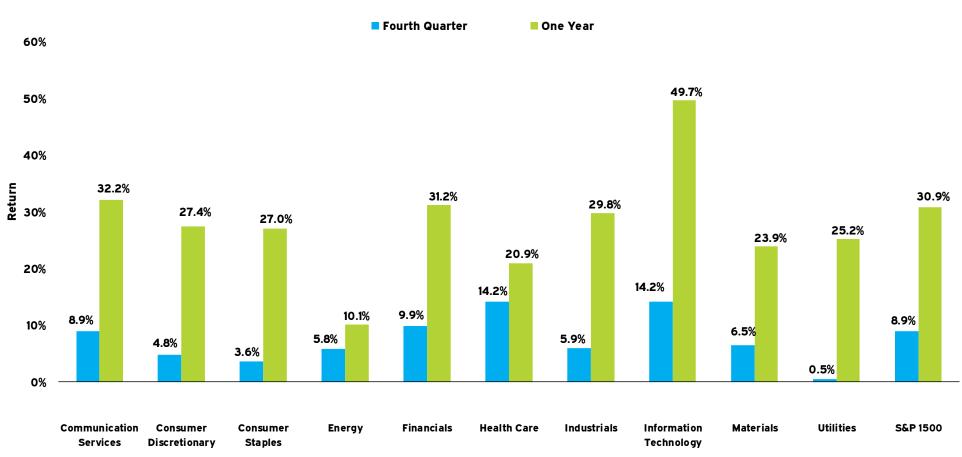
Index Returns¹

	4Q19 (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
Domestic Equity					
S&P 500	9.1	31.5	15.3	11.7	13.6
Russell 3000	9.1	31.0	14.6	11.2	13.4
Russell 1000	9.0	31.4	15.0	11.5	13.5
Russell 1000 Growth	10.6	36.4	20.5	14.6	15.2
Russell 1000 Value	7.4	26.5	9.7	8.3	11.8
Russell MidCap	7.1	30.5	12.1	9.3	13.2
Russell MidCap Growth	8.2	35.5	17.4	11.6	14.2
Russell MidCap Value	6.4	27.1	8.1	7.6	12.4
Russell 2000	9.9	25.5	8.6	8.2	11.8
Russell 2000 Growth	11.4	28.5	12.5	9.3	13.0
Russell 2000 Value	8.5	22.4	4.8	7.0	10.6
Foreign Equity					
MSCI ACWI (ex. US)	8.9	21.5	9.9	5.5	5.0
MSCI EAFE	8.2	22.0	9.6	5.7	5.5
MSCI EAFE (Local Currency)	5.2	21.7	7.7	6.7	7.2
MSCI EAFE Small Cap	11.5	25.0	10.9	8.9	8.7
MSCI Emerging Markets	11.8	18.4	11.6	5.6	3.7
MSCI Emerging Markets (Local Currency)	9.5	18.1	11.5	7.5	6.1
Fixed Income					
Bloomberg Barclays Universal	0.5	9.3	4.3	3.4	4.1
Bloomberg Barclays Aggregate	0.2	8.7	4.0	3.0	3.7
Bloomberg Barclays US TIPS	0.8	8.4	3.3	2.6	3.4
Bloomberg Barclays High Yield	2.6	14.3	6.4	6.1	7.6
JPM GBI-EM Global Diversified	5.2	13.5	7.0	2.8	2.7
Other					
FTSE NAREIT Equity	-0.8	26.0	8.1	7.2	11.9
Bloomberg Commodity Index	4.4	7.7	-0.9	-3.9	-4.7
HFRI Fund of Funds	2.5	7.8	3.7	2.2	2.8

¹ Source: InvestorForce.



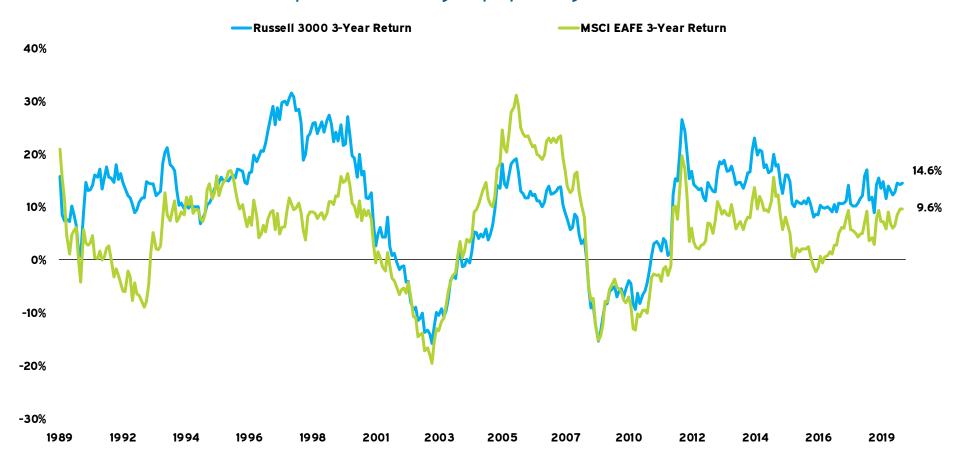




 $^{^{1}\,}$ Source: InvestorForce. Represents S&P 1500 (All Cap) data.



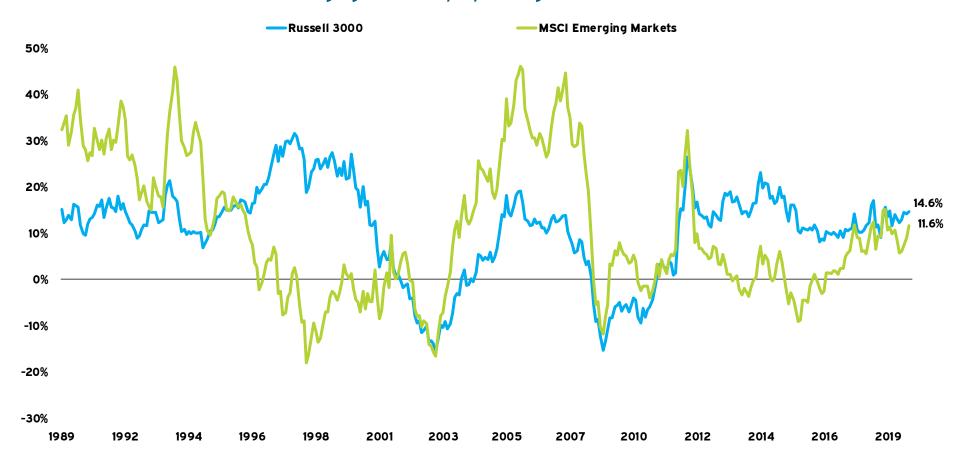
US and Developed Market Foreign Equity Rolling Three-Year Returns¹



¹ Source: InvestorForce.



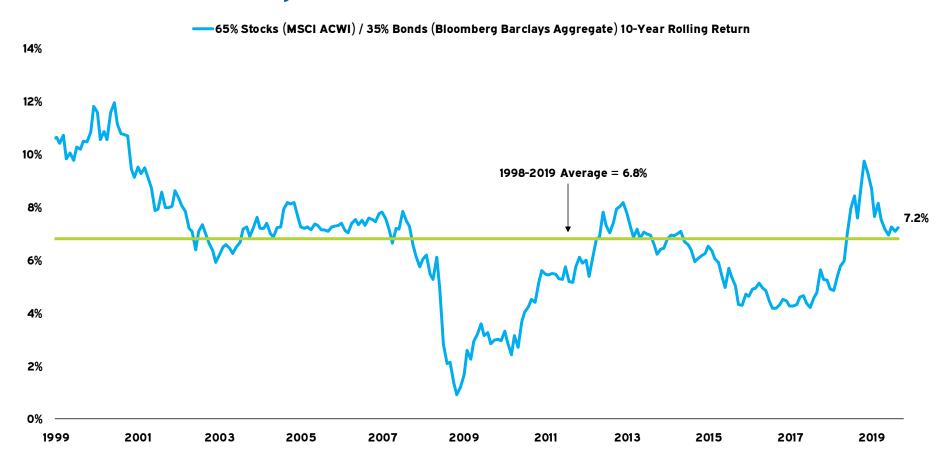
US and Emerging Market Equity Rolling Three-Year Returns¹



¹ Source: InvestorForce.



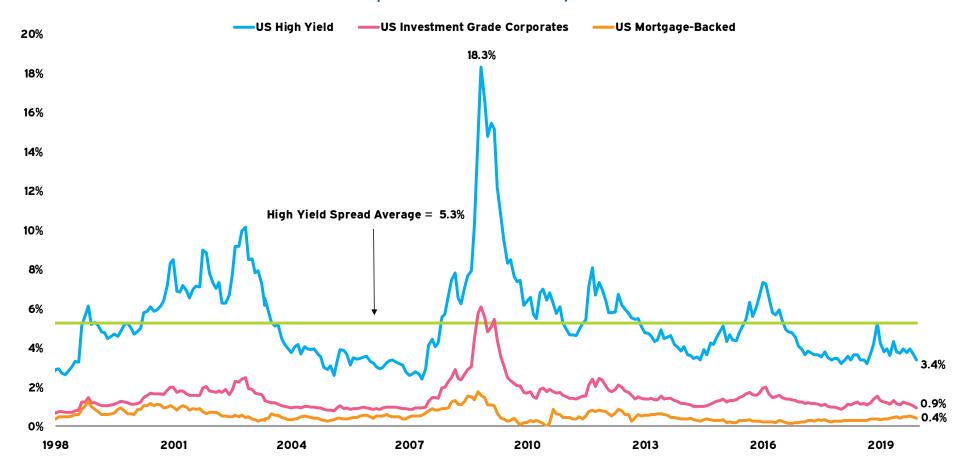
Rolling Ten-Year Returns: 65% Stocks and 35% Bonds¹



¹ Source: InvestorForce.



Credit Spreads vs. US Treasury Bonds^{1,2}

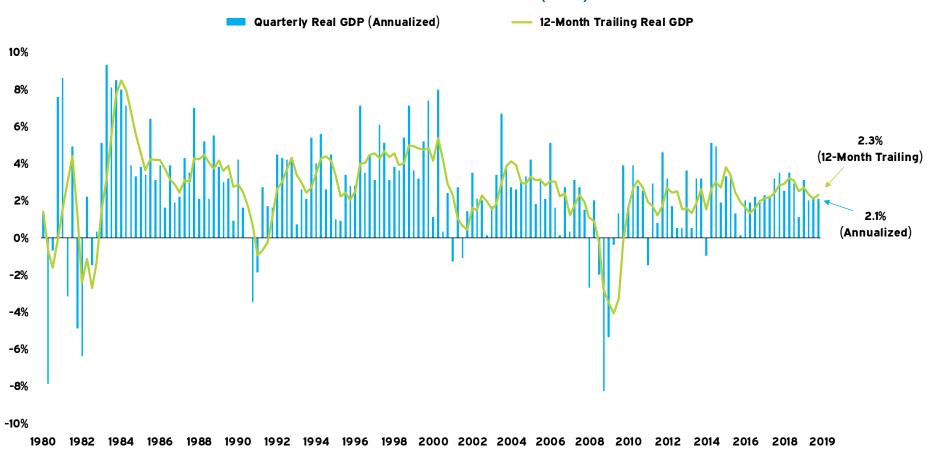


¹ Source: Barclays Live. Data represents the OAS.

² The median high yield spread was 4.7% from 1997-2019.



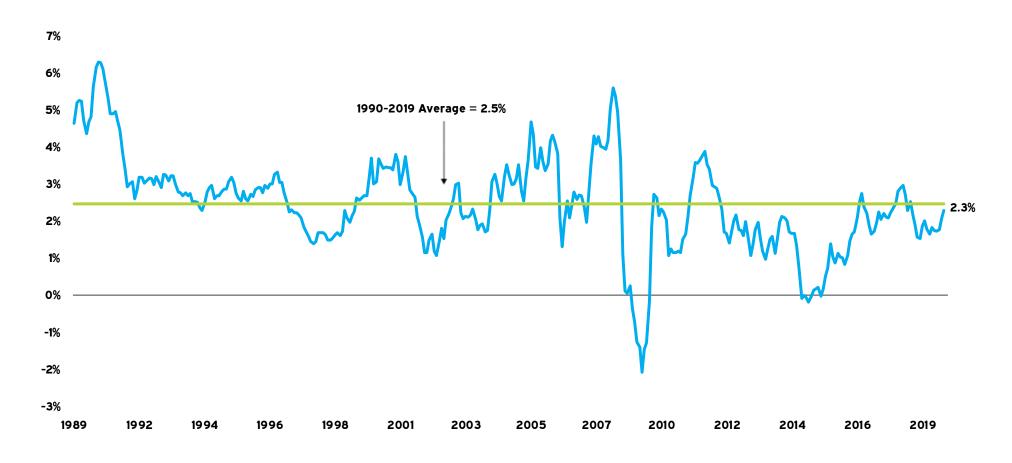
US Real Gross Domestic Product (GDP) Growth¹



¹ Source: Bureau of Economic Analysis. Data is as of Q4 2019 and represents the first estimate.



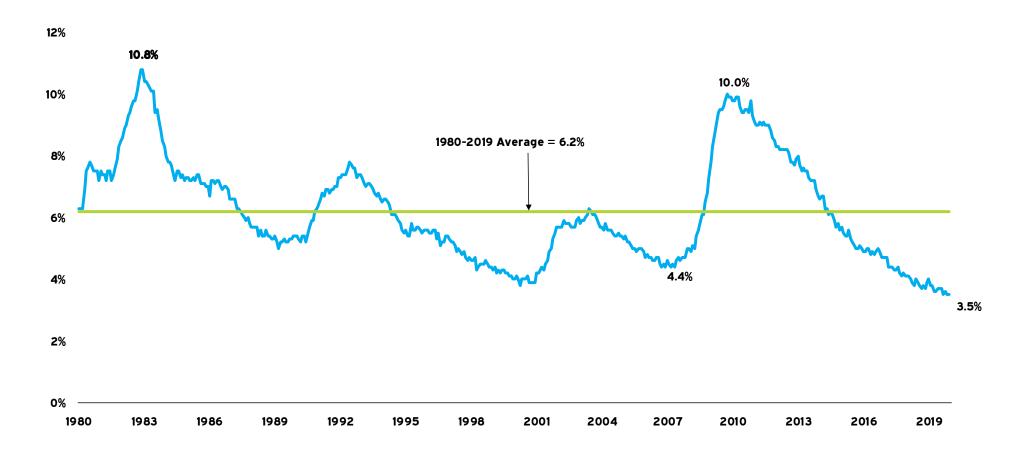
US Inflation (CPI) Trailing Twelve Months¹



¹ Source: Bureau of Labor Statistics. Data is non-seasonally adjusted CPI, which may be volatile in the short-term. Data is as of December 31, 2019.



US Unemployment¹



¹ Source: Bureau of Labor Statistics. Data is as of December 31, 2019.





Underlying Fund Summary As of December 31, 2019

Underlying Funds	Asset Class	Ticker	Active/Passive
TIAA-CREF Equity Index Fund	Domestic Equity	TIEIX	Passive
TIAA-CREF Int'l Equity Index Fund	International Equity	TCIEX	Passive
TIAA-CREF Emerging Markets Index Fund	Emerging Markets	TEQLX	Passive
TIAA-CREF Bond Index Fund	Fixed Income	TBIIX	Passive
TIAA-CREF Inflation Linked Bond Fund	Fixed Income	TIILX	Active
TIAA- Life Funding Agreement	Bank Deposit		





Monitoring Summary As of December 31, 2019

Portfolios	Total Fund Assets (\$K)	% of Total	Prior QTR Status	Current QTR Status	Qualifies for Watch?	On Watch
Portfolios						
Aggressive Growth Portfolio	\$3,052	23%				
Moderate Portfolio	\$3,056	23%				
Conservative Portfolio	\$2,863	21%				
FDIC-Insured Portfolio	\$4,531	34%				
Underlying Funds						
TIAA-CREF Equity Index Fund	\$3,294	24%	Positive	Positive	No	No
TIAA-CREF Int'l Equity Index Fund*	\$1,032	8%	Acceptable	Positive	No	No
TIAA-CREF Emerging Markets Index Fund*	\$344	2%	Positive	Positive	No	No
TIAA-CREF Bond Index Fund	\$2,770	21%	Positive	Positive	No	No
TIAA-CREF Inflation Linked Bond Fund	\$690	5%	Acceptable	Acceptable	No	No
TIAA-Life Funding Agreement	\$841	6%	Positive	Positive	No	No
FDIC-Insured TIAA Bank Account	\$4,531	34%	Positive	Positive	No	No
Total	\$13,502	100%				

^{*}The TIAA-CREF International Equity and Emerging Markets Index funds' returns have been adjusted to remove F/X and Fair Value impact for the purpose of monitoring.

Watch criteria summarized on Page 20.





Portfolio Management Review As of December 31, 2019

Fund	Ticker	Current PM Team		Recent PM Departures*	
TIAA-CREF Equity Index Fund	TIEIX	08/31/2010 05/30/2014 03/01/2019	Philip James Campagna Lei Liao Darren Tran		
TIAA-CREF Int'l Equity Index Fund	TCIEX	08/31/2010 05/30/2014 03/01/2019	Philip James Campagna Lei Liao Darren Tran		
TIAA-CREF Emerging Markets Index Fund	TEQLX	08/31/2010 05/30/2014 03/01/2019	Philip James Campagna Lei Liao Darren Tran		
TIAA-CREF Bond Index Fund	TBIIX	12/31/2009 08/24/2011	Lijun (Kevin) Chen James Tsang		
TIAA-CREF Inflation Linked Bond Fund	TIILX	08/21/2008 08/01/2016 08/01/2019	John Michael Cerra Nicholas Travaglino Chad Kemper	10/01/2011-08/01/2016	Stephen Liberatore

^{*}Recent is defined as having occurred in the last three years.

Source: MorningStar

No portfolio management team changes were reported over the recent period.





Monitoring Guidelines

Performance Category	Active Funds	Passive Funds			
Positive	Performance exceeds the benchmark	Tracking error is within the allowable range (short, medium and long-term periods)			
Acceptable	Performance meets or trails the benchmark but is within the allowable range	N/A			
Caution	Performance is below allowable range but either: i) For less than 6 consecutive months ii) The Board has not taken (or decided not to take) a formal action to place the underlying fund on Watch even though performance has been below allowable range for 6 months or longer	Tracking error falls outside of the allowable range but either i) For less than 6 consecutive months or ii) The Board has not voted to place the underlying fund on Watch			
Watch	Performance is below allowable range for more than 6 consecutive months and the Board has formally voted to place the underlying fund on Watch.	Tracking error falls outside of the allowable range for more than 6 consecutive months and the Board has formally voted to place the underlying fund on Watch.			





Monitoring Guidelines As of December 31, 2019

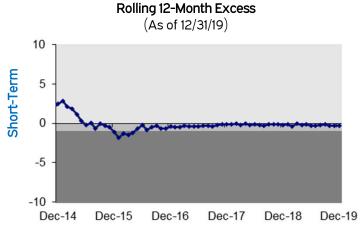
Asset Class	Shorter-Term Performance (rolling 12-month periods)	Medium-Term Performance (rolling 36-month periods)	Long-Term (>60 months)
Actively Managed Funds	Fund return < Benchmark return for 6 consecutive months	Fund return < Benchmark return for 6 consecutive months	VRR < for 6 consecutive months
Fixed Income	-1.0%	-0.5%	0.98
Passively Managed Funds	Tracking Error > for 6 consecutive months	Tracking Error > for 6 consecutive months	Fund annualized return < Benchmark annualized return for 6 consecutive months
Domestic Equity	0.30%	0.25%	-0.30%
International Equity	0.75%	0.70%	-0.30%
Fixed Income	0.40%	0.55%	-0.35%

FDIC Insured Deposit Portfolio						
Asset Class	FDIC-Insured Status		Stability			
Bank Deposit	Bank continues with appropriate levels of insurance with the FDIC		No identifiable issues regarding changes in the bank's financial stability			
Asset Class	Financial Strength	Mortgage Portfolio	Bond Portfolio	Account Diversification		
Funding Agreement (Stable Value)	Moody's = Aaa Standard & Poor's = AAA A.M. Best = A+++ Fitch = AAA	100% in Good Standing	At least 90% Investment Grade	Portfolio is diversified across asset classes and types		

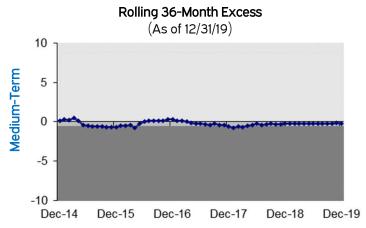




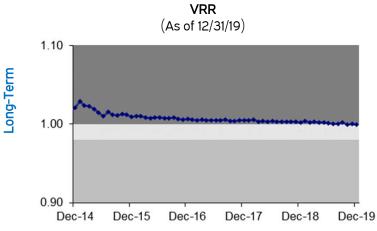
TIAA CREF Inflation-Linked Bond



- Results fall in the Acceptable range.
- Probationary Performance -1.00%



- · Results fall in the Acceptable range.
- Probationary Performance -0.50%



- Results fall in the Acceptable range.
- Probationary Performance < 0.98

Monitoring Status Acceptable

Benchmark: Bloomberg Barclays US TIPS 1-10 Year Index

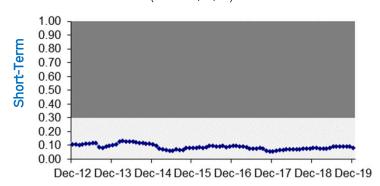


MEKETA

Summary of Monitoring Status

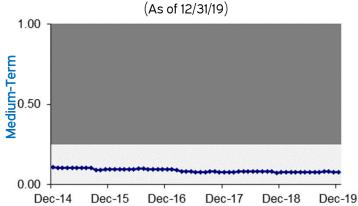
TIAA CREF Equity Index

Rolling 12-Month Tracking Error (As of 12/31/19)



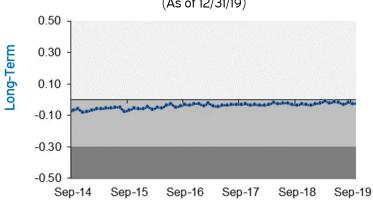
- Results fall in the Positive range.
- Probationary Performance 0.30%

Rolling 36-Month Tracking Error



- Results fall in the Positive range.
- Probationary Performance 0.25%

5-YR Annualized Excess Return (As of 12/31/19)



- Results fall in the Positive range.
- Probationary Performance -0.30%

Monitoring Status

Positive

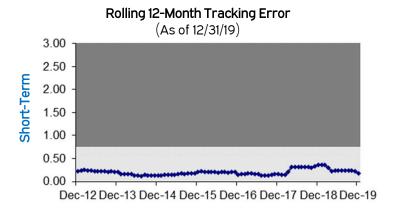
Benchmark: Russell 3000 Index



MEKETA

Summary of Monitoring Status

TIAA CREF International Equity Index

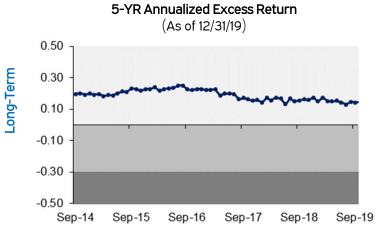


- Results fall in the Positive range.
- Probationary Performance 0.75%

Rolling 36-Month Tracking Error (As of 12/31/19) 2.00 1.00 Dec-14 Dec-15 Dec-16 Dec-17 Dec-18 Dec-19

- Results fall in the Positive range.
- Probationary Performance 0.70%

Benchmark: MSCI EAFE Index NR



- Results fall in the Positive range.
- Probationary Performance -0.30%

Monitoring Status Positive

*Fund returns have been adjusted to remove Fair Value and F/X impacts.

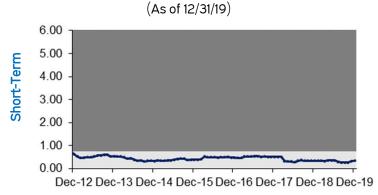
CalABLE Plans



Summary of Monitoring Status

TIAA CREF Emerging Markets Index

Rolling 12-Month Tracking Error



- Results fall in the Positive range.
- Probationary Performance 0.75%

Rolling 36-Month Tracking Error (As of 12/31/19) 2.00 Dec-14 Dec-15 Dec-16 Dec-17 Dec-18 Dec-19

- Results fall in the Positive range.
- Probationary Performance 0.70%

5-YR Annualized Excess Return (As of 12/31/19) 0.50 0.30 -0.10 -0.30 Sep-15 Sep-16 Sep-17 Sep-18 Sep-19

- Results fall in the Positive range.
- Probationary Performance -0.30%

Monitoring Status

Positive

Benchmark: MSCI Emerging Markets Index NR

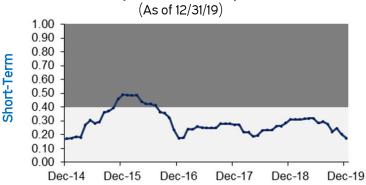


MEKETA

Summary of Monitoring Status

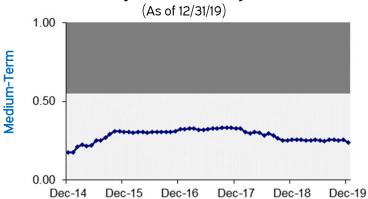
TIAA CREF Bond Index

Rolling 12-Month Tracking Error



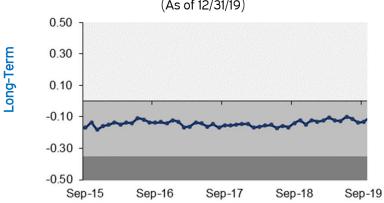
- Results fall in the Positive range.
- Probationary Performance 0.40%

Rolling 36-Month Tracking Error



- Results fall in the Positive range.
- Probationary Performance 0.55%

5-YR Annualized Excess Return (As of 12/31/19)



- Results fall in the Positive range.
- Probationary Performance -0.35%

Monitoring Status

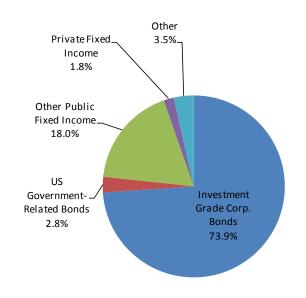
Positive

Benchmark: Bloomberg Barclays US Aggregate Index





T-C Life Funding Agreement



Monitoring Status

Positive

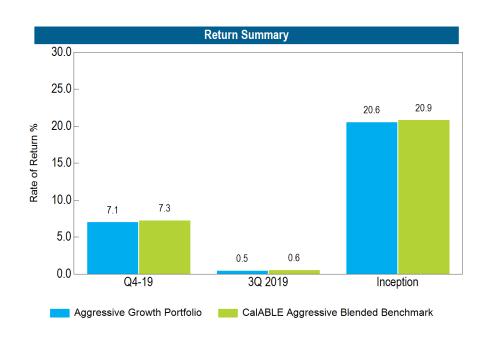
	Criteria	Status as of 12/31/2019	
Financial Strength	Moody's = Aaa Standard & Poor's = AAA A.M. Best = A+++ Fitch = AAA	Moody's = Aa1 Standard & Poor's = AA+ A.M. Best = A++ Fitch = AAA	
Mortgage Portfolio	100% in Good Standing	100% in Good Standing*	
Bond Portfolio	At least 90% Investment Grade	99.6% in Investment Grade	
Account Diversification Portfolio is diversified across asset classes and types		Portfolio is diversified across asset classes and types (see chart above)	

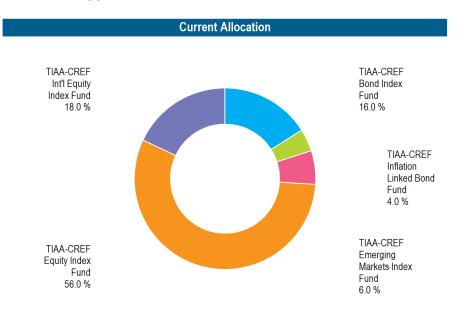
^{*}Portfolio did not contain any commercial mortgages.

Source: TIAA-CREF

CalABLE Portfolios Analysis

Aggressive Growth Portfolio | As of December 31, 2019

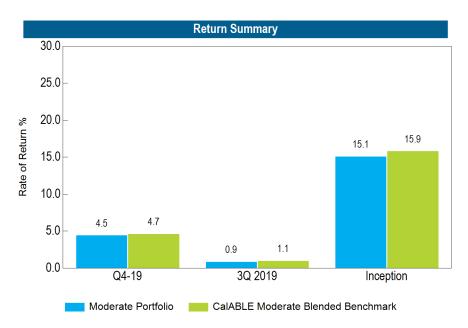


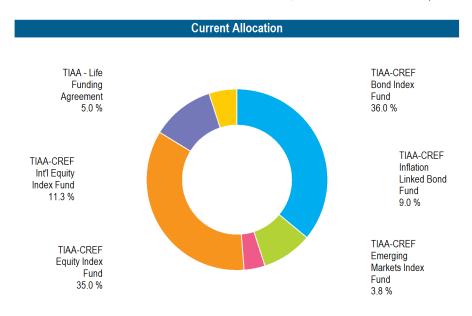


Underlying Investment Trailing Performance								
	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)		
Aggressive Growth Portfolio								
TIAA-CREF Bond Index Fund	-0.1	0.0	8.4	8.4	3.9	2.9		
BBgBarc US Aggregate TR	-0.1	0.2	8.7	8.7	4.0	3.0		
TIAA-CREF Inflation Linked Bond Fund	0.6	0.8	6.6	6.6	2.6	1.9		
BBgBarc US TIPS 1-10 Yr TR	0.7	1.0	6.9	6.9	2.8	2.4		
TIAA-CREF Emerging Markets Index Fund	7.3	11.8	18.6	18.6	11.7	5.7		
MSCI Emerging Markets	7.5	11.8	18.4	18.4	11.6	5.6		
TIAA-CREF Equity Index Fund	2.9	9.1	30.9	30.9	14.5	11.2		
Russell 3000	2.9	9.1	31.0	31.0	14.6	11.2		
TIAA-CREF Int'l Equity Index Fund	3.0	7.9	21.8	21.8	9.8	5.9		
MSCI EAFE	3.2	8.2	22.0	22.0	9.6	5.7		

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Moderate Portfolio | As of December 31, 2019

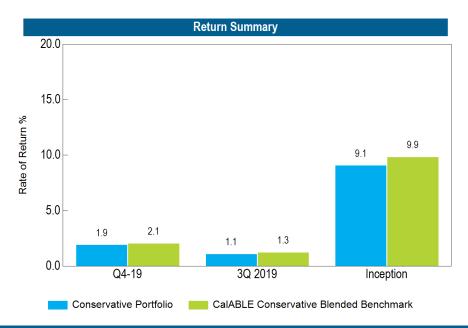


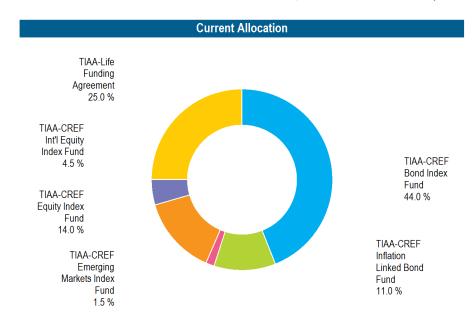


Underlying Investment Trailing Performance								
	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)		
Moderate Portfolio								
TIAA-CREF Bond Index Fund	-0.1	0.0	8.4	8.4	3.9	2.9		
BBgBarc US Aggregate TR	-0.1	0.2	8.7	8.7	4.0	3.0		
TIAA-CREF Inflation Linked Bond Fund	0.6	0.8	6.6	6.6	2.6	1.9		
BBgBarc US TIPS 1-10 Yr TR	0.7	1.0	6.9	6.9	2.8	2.4		
TIAA-CREF Emerging Markets Index Fund	7.3	11.8	18.6	18.6	11.7	5.7		
MSCI Emerging Markets	7.5	11.8	18.4	18.4	11.6	5.6		
TIAA-CREF Equity Index Fund	2.9	9.1	30.9	30.9	14.5	11.2		
Russell 3000	2.9	9.1	31.0	31.0	14.6	11.2		
TIAA-CREF Int'l Equity Index Fund	3.0	7.9	21.8	21.8	9.8	5.9		
MSCI EAFE	3.2	8.2	22.0	22.0	9.6	5.7		
TIAA - Life Funding Agreement								

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Conservative Portfolio | As of December 31, 2019



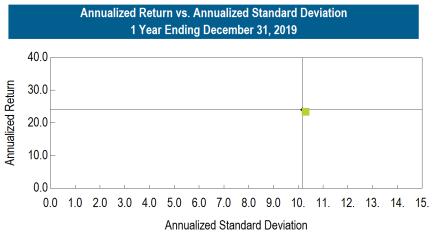


Underlying Investment Trailing Performance								
		1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	
Conservative Portfolio								
TIAA-CREF Bond Index Fund		-0.1	0.0	8.4	8.4	3.9	2.9	
BBgBarc US Aggregate TR		-0.1	0.2	8.7	8.7	4.0	3.0	
TIAA-CREF Inflation Linked Bond Fund		0.6	0.8	6.6	6.6	2.6	1.9	
BBgBarc US TIPS 1-10 Yr TR		0.7	1.0	6.9	6.9	2.8	2.4	
TIAA-CREF Emerging Markets Index Fund		7.3	11.8	18.6	18.6	11.7	5.7	
MSCI Emerging Markets		7.5	11.8	18.4	18.4	11.6	5.6	
TIAA-CREF Equity Index Fund		2.9	9.1	30.9	30.9	14.5	11.2	
Russell 3000		2.9	9.1	31.0	31.0	14.6	11.2	
TIAA-CREF Int'l Equity Index Fund		3.0	7.9	21.8	21.8	9.8	5.9	
MSCI EAFE		3.2	8.2	22.0	22.0	9.6	5.7	
TIAA-Life Funding Agreement								

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Managed Portfolios | As of December 31, 2019

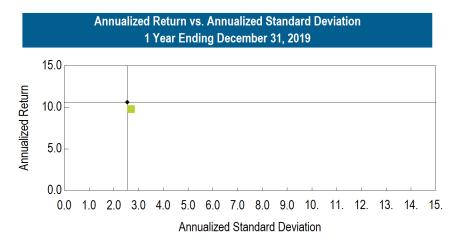




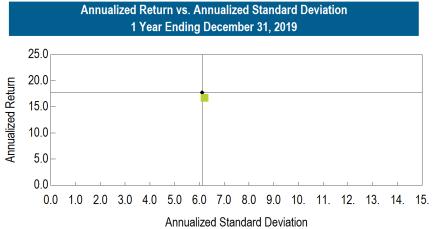
CalABLE Moderate Blended Benchmark



◆ CalABLE Aggressive Blended Benchmark



- Conservative Portfolio
- CalABLE Conservative Blended Benchmark



MEKETA INVESTMENT GROUP

CalABLE Underlying Funds Analysis

CalABLE Underlying Investments | As of December 31, 2019

			N	Mana	iger Re	turn	s Perio	ds E	nding [Decer	nber 31,	2019									
	QTD (%)	Rank	1 Yr (%) F	Rank	2 Yrs (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	I Rank	nceptio n (%)	2019 (%)	≀ank	2018 (%)	Rank	2017 (%)	Rank	2016 (%)	Rank	2015 (%)	Rank
CalABLE Underlying Investments																					
TIAA-CREF Equity Index Fund	9.1	33	30.9	43	11.4	39	14.5	44	11.2	33		30.9	43	-5.2	45	21.1	53	12.8	18	0.5	44
Russell 3000	9.1	30	31.0	40	11.4	37	14.6	41	11.2	32	6.7	31.0	40	-5.2	45	21.1	53	12.7	19	0.5	42
Large Blend MStar MF Median	8.7		30.2		10.5		14.3		10.5		6.2	30.2		-5.5		21.2		10.9		-0.1	
TIAA-CREF Int'l Equity Index Fund	7.9	75	21.8	52	2.8	22	9.8	35	5.9	28		21.8	52	-13.2	18	25.3	58	1.2	48	-0.5	42
MSCI EAFE	8.2	67	22.0	48	2.6	26	9.6	43	5.7	43	7.7	22.0	48	-13.8	30	25.0	67	1.0	53	-0.8	49
Foreign Large Blend MStar MF Median	8.9		21.8		1.7		9.3		5.6		7.7	21.8		-15.1		25.6		1.1		-0.9	
TIAA-CREF Emerging Markets Index Fund	11.8	32	18.6	64	0.6	41	11.7	38	5.7	41	3.7	18.6	64	-14.6	27	37.4	48	11.1	35	-14.8	60
MSCI Emerging Markets	11.8	29	18.4	64	0.6	42	11.6	38	5.6	42	4.0	18.4	64	-14.6	28	37.3	49	11.2	34	-14.9	62
Diversified Emerging Mkts MStar MF Median	11.0		20.4		0.1		10.7		5.3		4.2	20.4		-17.0		36.8		8.3		-13.7	
TIAA-CREF Bond Index Fund	0.0	66	8.4	56	4.1	49	3.9	56	2.9	58		8.4	56	0.0	37	3.4	70	2.4	80	0.5	31
BBgBarc US Aggregate TR	0.2	37	8.7	40	4.3	30	4.0	43	3.0	40	3.7	8.7	40	0.0	34	3.5	66	2.6	69	0.5	29
Intermediate Core Bond MStar MF Median	0.1		8.5		4.1		3.9		3.0		3.9	8.5		-0.3		3.9		3.2		0.2	
TIAA-CREF Inflation Linked Bond Fund	0.8	58	6.6	72	3.0	60	2.6	70	1.9	80		6.6	72	-0.5	22	1.7	77	3.7	76	-1.6	47
BBgBarc US TIPS 1-10 Yr TR	1.0	48	6.9	66	3.2	42	2.8	64	2.4	46	3.7	6.9	66	-0.3	19	1.9	74	4.0	62	-0.5	10
Inflation-Protected Bond MStar MF Median	0.9		8.1		3.1		3.1		2.3		4.1	8.1		-1.4		2.9		4.4		-1.7	
FDIC-Insured Portfolio	0.1		0.4									0.4									
FTSE T-Bill 3 Months TR	0.5		2.3		2.1		1.7		1.0			2.3		1.9		0.8		0.3		0.0	
TIAA - Life Funding Agreement																					

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TIAA-CREF Equity Index Fund | As of December 31, 2019

Description:

The investment seeks a favorable long-term total return, mainly through capital appreciation, by investing primarily in a portfolio of equity securities selected to track the overall U.S. equity markets based on a market index.

Under normal circumstances, the fund invests at least 80% of its assets in equity securities of its benchmark index, the Russell 3000® Index. It buys most, but not necessarily all, of the stocks in its benchmark index, and the advisor will attempt to closely match the overall investment characteristics of its benchmark index.

Portfolio Fund Information								
Ticker	TIEIX							
Morningstar Category	Large Blend							
Morningstar Rating (3 Year)	3 (stars)							
Average Market Cap (\$mm)	73,939.00							
Net Assets (\$mm)	9,641.83							
% Assets in Top 10 Holdings	18.88							
Total Number of Holdings	2,790							
Manager Name	Philip James(Jim) Campagna							
Manager Tenure	14							
Expense Ratio	0.05%							
Closed to New Investors	No							

Fund Characteristics							
Sharpe Ratio (3 Year)	1.04						
Average Market Cap (\$mm)	73,939.00						
Price/Earnings	18.60						
Price/Book	3.15						
Price/Sales	2.10						
Price/Cash Flow	9.77						
Dividend Yield	1.82						
Number of Equity Holdings	2,776						
R-Squared (3 Year)	1.00						
Alpha (3 Year)	0.00%						

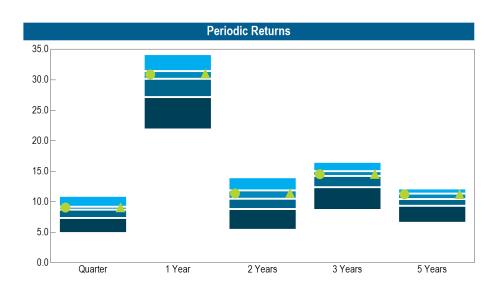
	Top Holdings as of December 31, 2019	
	APPLE INC	4.01%
	MICROSOFT CORP	3.67%
	AMAZON.COM INC	2.35%
	FACEBOOK INC A	1.51%
	BERKSHIRE HATHAWAY INC B	1.36%
	JPMORGAN CHASE & CO	1.34%
	ALPHABET INC A	1.23%
	ALPHABET INC CLASS C	1.23%
	JOHNSON & JOHNSON	1.19%
)	VISA INC CLASS A	0.99%

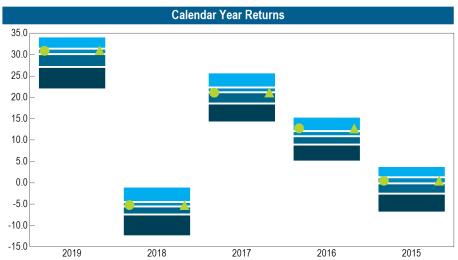
Sector Allocation as of December	31, 2019
BASIC MATERIALS	2.51%
COMMUNICATION SERVICES	9.46%
CONSUMER CYCLICAL	9.89%
CONSUMER DEFENSIVE	6.80%
ENERGY	4.07%
FINANCIAL SERVICES	15.78%
HEALTHCARE	14.27%
INDUSTRIALS	10.09%
REAL ESTATE	4.28%
TECHNOLOGY	19.63%
UTILITIES	3.22%

Top Countries as of December 3	31, 2019
United States	99.09%
United Kingdom	0.42%
Switzerland	0.26%
China	0.12%
Puerto Rico	0.04%
Canada	0.02%
India	0.02%
Ghana	0.01%
Marshall Islands	0.01%
Taiwan	0.01%

Top Regions as of December 31, 2019									
UNITED STATES	99.08%								
UNITED KINGDOM	0.41%								
EUROPE EXEURO	0.27%								
ASIA EMERGING	0.15%								
LATIN AMERICA	0.04%								

TIAA-CREF Equity Index Fund | As of December 31, 2019



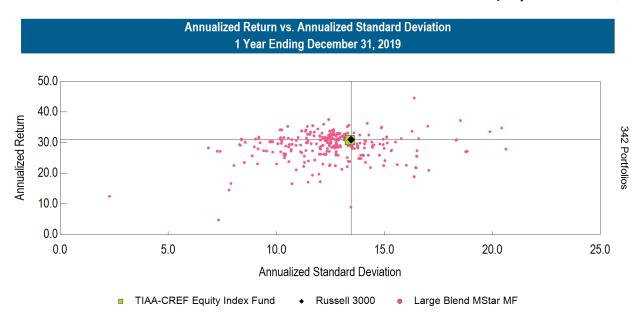


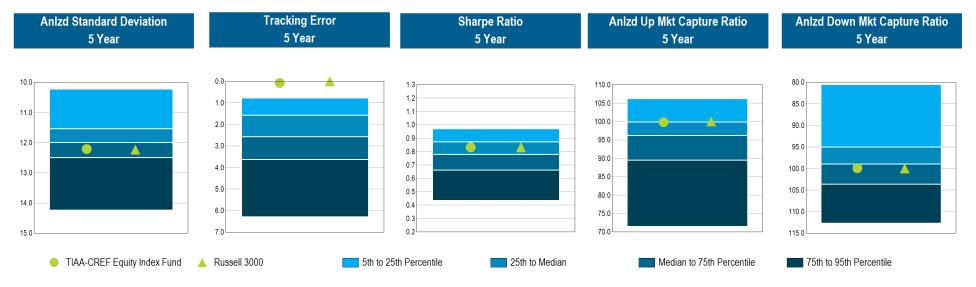
	QTD I	Rank	1 Yr F	Rank	2 Yrs F	Rank	3 Yrs I	Rank	5 Yrs F	Rank	2019 I	Rank	2018 F	Rank	2017 F	Rank	2016 I	Rank	2015	Rank
TIAA-CREF Equity Index Fund	9.1	33	30.9	43	11.4	39	14.5	44	11.2	33	30.9	43	-5.2	45	21.1	53	12.8	18	0.5	44
Russell 3000	9.1	30	31.0	40	11.4	37	14.6	41	11.2	32	31.0	40	-5.2	45	21.1	53	12.7	19	0.5	42
Universe Median	8.7		30.2		10.5		14.3		10.5		30.2		-5.5		21.2		10.9		-0.1	

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TIAA-CREF Equity Index Fund | As of December 31, 2019







TIAA-CREF Int'l Equity Index Fund | As of December 31, 2019

Description:

The investment seeks a favorable long-term total return, mainly through capital appreciation, by investing primarily in a portfolio of foreign equity investments based on a market index.

Under normal circumstances, the fund invests at least 80% of its assets in securities of its benchmark index, the MSCI EAFE Index. It buys most, but not necessarily all, of the stocks included in its benchmark index, and the advisor will attempt to closely match the overall investment characteristics of the fund's benchmark index.

Portfolio Fund Information									
Ticker	TCIEX								
Morningstar Category	Foreign Large Blend								
Morningstar Rating (3 Year)	4 (stars)								
Average Market Cap (\$mm)	38,373.08								
Net Assets (\$mm)	8,280.47								
% Assets in Top 10 Holdings	11.95								
Total Number of Holdings	934								
Manager Name	Philip James(Jim) Campagna								
Manager Tenure	15								
Expense Ratio	0.06%								
Closed to New Investors	No								

Fund Characteristics				
Sharpe Ratio (3 Year)	0.74			
Average Market Cap (\$mm)	38,373.08			
Price/Earnings	14.73			
Price/Book	1.54			
Price/Sales	1.17			
Price/Cash Flow	7.42			
Dividend Yield	3.40			
Number of Equity Holdings	919			
R-Squared (3 Year)	0.99			
Alpha (3 Year)	0.02%			

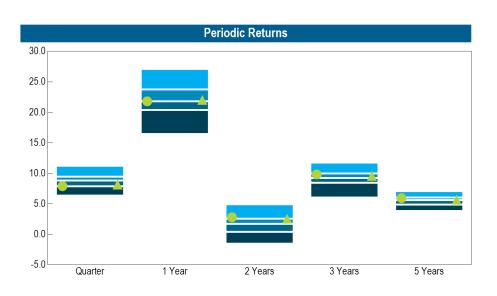
	Top Holdings as of December 31, 2019	
	NESTLE SA	2.10%
	MSCI EAFE MAR20 IFUS 20200320	1.51%
,	ROCHE HOLDING AG DIVIDEND RIGHT CERT.	1.49%
	NOVARTIS AG	1.33%
	TOYOTA MOTOR CORP	1.05%
	HSBC HOLDINGS PLC	1.03%
	TOTAL SA	0.87%
	ASTRAZENECA PLC	0.86%
•	SAP SE	0.86%
)	LVMH MOET HENNESSY LOUIS VUITTON SE	0.85%

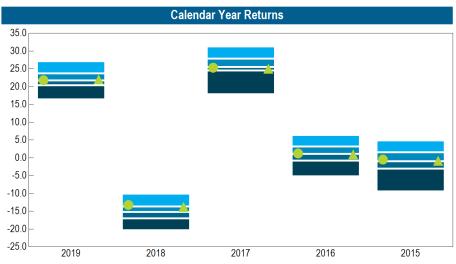
Sector Allocation as of December	31, 2019
BASIC MATERIALS	7.04%
COMMUNICATION SERVICES	5.97%
CONSUMER CYCLICAL	10.23%
CONSUMER DEFENSIVE	11.24%
ENERGY	5.14%
FINANCIAL SERVICES	18.61%
HEALTHCARE	12.54%
INDUSTRIALS	14.90%
REAL ESTATE	3.44%
TECHNOLOGY	7.30%
UTILITIES	3.59%

Top Countries as of December	31, 2019
Japan	24.40%
United Kingdom	16.20%
France	11.24%
Switzerland	9.62%
Germany	8.70%
Australia	6.77%
Netherlands	3.58%
Hong Kong	3.08%
Spain	2.85%
Sweden	2.46%

Top Regions as of December 31, 2019				
EUROZONE	31.10%			
JAPAN	24.41%			
UNITED KINGDOM	16.20%			
EUROPE EXEURO	14.54%			
AUSTRALIASIA	7.05%			

TIAA-CREF Int'l Equity Index Fund | As of December 31, 2019

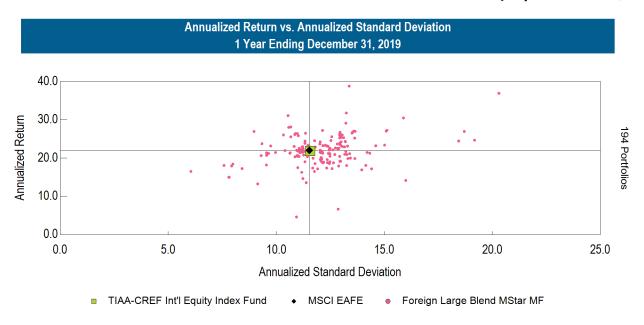


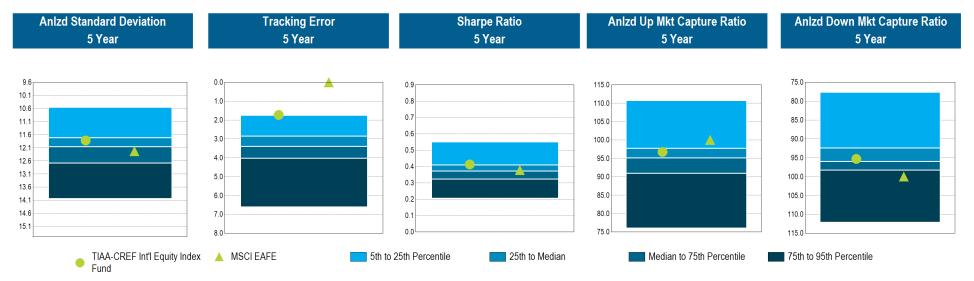


	QTD I	Rank	1 Yr I	Rank	2 Yrs F	Rank	3 Yrs I	Rank	5 Yrs F	Rank	2019 F	Rank	2018 F	Rank	2017 F	Rank	2016 F	Rank	2015 I	Rank
TIAA-CREF Int'l Equity Index Fund	7.9	75	21.8	52	2.8	22	9.8	35	5.9	28	21.8	52	-13.2	18	25.3	58	1.2	48	-0.5	42
MSCI EAFE	8.2	67	22.0	48	2.6	26	9.6	43	5.7	43	22.0	48	-13.8	30	25.0	67	1.0	53	-0.8	49
Universe Median	8.9		21.8		1.7		9.3		5.6		21.8		-15.1		25.6		1.1		-0.9	

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TIAA-CREF Int'l Equity Index Fund | As of December 31, 2019







TIAA-CREF Emerging Markets Index Fund | As of December 31, 2019

Description:

The investment seeks a favorable long-term total return, mainly through capital appreciation, by investing primarily in a portfolio of emerging market equity investments based on a market index.

Under normal circumstances, the fund invests at least 80% of its assets in equity securities that comprise its benchmark index, the MSCI Emerging Markets® Index ("MSCI EM Index"), or in instruments with economic characteristics similar to all or a portion of the MSCI EM Index. It buys most, but not necessarily all, of the stocks in its benchmark index, and the advisor will attempt to closely match the overall investment attributes of the fund's benchmark index.

Portfolio Fund Information				
Ticker	TEQLX			
Morningstar Category	Diversified Emerging Mkts			
Morningstar Rating (3 Year)	3 (stars)			
Average Market Cap (\$mm)	35,777.44			
Net Assets (\$mm)	876.50			
% Assets in Top 10 Holdings	24.43			
Total Number of Holdings	1,400			
Manager Name	Philip James(Jim)			
Manager Name	Campagna			
Manager Tenure	9			
Expense Ratio	0.20%			
Closed to New Investors	No			

Fund Characteristics				
Sharpe Ratio (3 Year)	0.69			
Average Market Cap (\$mm)	35,777.44			
Price/Earnings	12.74			
Price/Book	1.54			
Price/Sales	1.23			
Price/Cash Flow	4.92			
Dividend Yield	3.10			
Number of Equity Holdings	1,385			
R-Squared (3 Year)	0.99			
Alpha (3 Year)	0.00%			

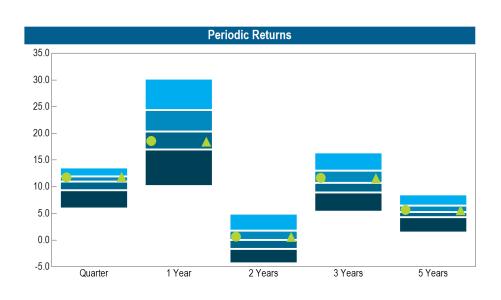
Top Holdings as of December 31, 20)19
ALIBABA GROUP HOLDING LTD ADR	5.69%
TENCENT HOLDINGS LTD	4.38%
TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD	4.32%
SAMSUNG ELECTRONICS CO LTD	3.65%
CHINA CONSTRUCTION BANK CORP CLASS H	1.33%
NASPERS LTD CLASS N	1.14%
PING AN INSURANCE (GROUP) CO. OF CHINA LTD CLASS H	1.05%
VANGUARD FTSE EMERGING MARKETS ETF	1.05%
RELIANCE INDUSTRIES LTD	0.96%
HOUSING DEVELOPMENT FINANCE CORP LTD	0.87%

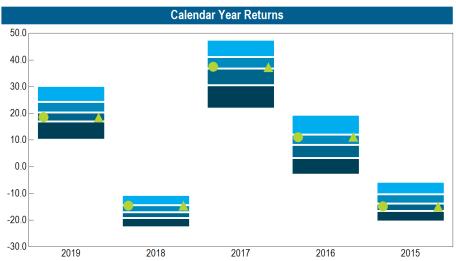
Sector Allocation as of December	31, 2019
BASIC MATERIALS	7.28%
COMMUNICATION SERVICES	12.36%
CONSUMER CYCLICAL	12.47%
CONSUMER DEFENSIVE	6.46%
ENERGY	7.27%
FINANCIAL SERVICES	24.18%
HEALTHCARE	2.95%
INDUSTRIALS	5.49%
REAL ESTATE	3.13%
TECHNOLOGY	15.90%
UTILITIES	2.52%

Top Countries as of December 3	31, 2019
China	33.37%
Taiwan	11.83%
South Korea	11.79%
India	8.59%
Brazil	7.47%
South Africa	4.67%
Russia	3.92%
Saudi Arabia	2.61%
Thailand	2.59%
Mexico	2.21%

Top Regions as of December 31, 2019				
ASIA EMERGING	49.31%			
ASIA DEVELOPED	24.32%			
LATIN AMERICA	11.03%			
EUROPE EMERGING	5.74%			
AFRICA	4.80%			

TIAA-CREF Emerging Markets Index Fund | As of December 31, 2019

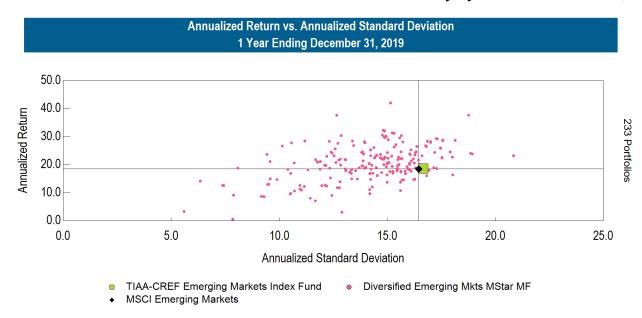


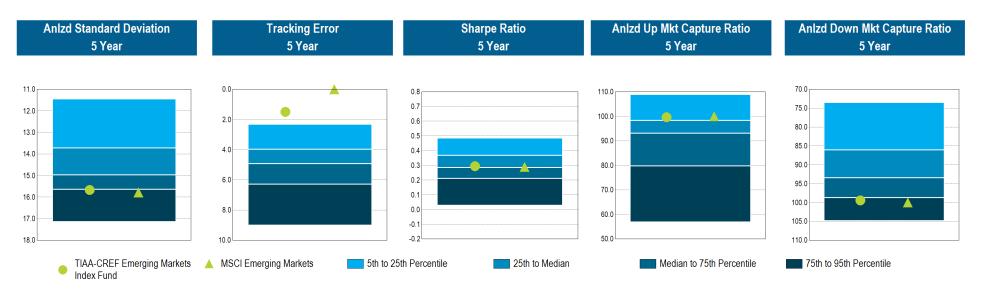


	QTD I	Rank	1 Yr F	Rank	2 Yrs F	Rank	3 Yrs F	Rank	5 Yrs F	Rank	2019 F	Rank	2018 F	Rank	2017 F	Rank	2016 F	Rank	2015	Rank
TIAA-CREF Emerging Markets Index Fund	11.8	32	18.6	64	0.6	41	11.7	38	5.7	41	18.6	64	-14.6	27	37.4	48	11.1	35	-14.8	60
MSCI Emerging Markets	11.8	29	18.4	64	0.6	42	11.6	38	5.6	42	18.4	64	-14.6	28	37.3	49	11.2	34	-14.9	62
Universe Median	11.0		20.4		0.1		10.7		5.3		20.4		-17.0		36.8		8.3		-13.7	

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TIAA-CREF Emerging Markets Index Fund | As of December 31, 2019





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TIAA-CREF Bond Index Fund | As of December 31, 2019

Description:

The investment seeks total return that corresponds with the total return of a broad U.S. investment-grade bond market index.

The fund invests at least 80% of its assets in bonds within its benchmark and portfolio tracking index, the Bloomberg Barclays U.S. Aggregate Bond Index. The securities purchased by the fund will mainly be high-quality instruments rated in the top four credit categories by Moody's or S&P or deemed to be of the same quality by the advisors using its own credit quality analysis.

Portfolio Fund Information						
Ticker	TBIIX					
Morningstar Category	Intermediate Core Bond					
Morningstar Rating (3 Year) 3 (sta						
Average Market Cap (\$mm)						
Net Assets (\$mm) 10,675.						
% Assets in Top 10 Holdings	11.42					
Total Number of Holdings	7,233					
Manager Name	Lijun (Kevin) Chen					
Manager Tenure	10					
Expense Ratio	0.11%					
Closed to New Investors	No					

Fund Characteristics	;
Sharpe Ratio (3 Year)	0.77
Average Duration	5.72
Average Coupon	3.13%
Average Effective Maturity	7.89
R-Squared (3 Year)	0.99
Alpha (3 Year)	-0.01%
Beta (3 Year)	0.98

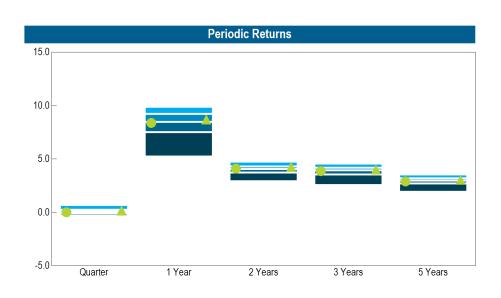
Top Holdings as of December 31, 20	19
UNITED STATES TREASURY BONDS 3.5%	1.92%
UNITED STATES TREASURY NOTES 2.12%	1.90%
UNITED STATES TREASURY NOTES 1.75%	1.22%
UNITED STATES TREASURY NOTES 2.25%	1.17%
UNITED STATES TREASURY NOTES 2.25%	1.02%
UNITED STATES TREASURY BONDS 3.12%	0.99%
UNITED STATES TREASURY NOTES 1.75%	0.88%
UNITED STATES TREASURY BONDS 3%	0.86%
UNITED STATES TREASURY NOTES 2.5%	0.77%
UNITED STATES TREASURY NOTES 2.75%	0.69%

Fixed Income Sectors as of Dece	ember 31, 2019
GOVERNMENT	44.02%
MUNICIPAL	0.66%
CORPORATE	24.55%
SECURITIZED	29.29%
CASH & EQUIVALENTS	1.48%
DERIVATIVE	0.00%

С	redit Quality as of September	30, 2019
AAA		72.17%
AA		3.49%
A		10.78%
BBB		13.46%
ВВ		0.02%
В		0.00%
Below E	3	0.00%
Not Rat	ted	0.08%

Maturities as of December 31, 2019	
1 to 3 Years	17.29%
3 to 5 Years	18.69%
5 to 7 Years	6.82%
7 to 10 Years	10.29%
10 to 15 Years	3.27%
15 to 20 Years	5.02%
20 to 30 Years	35.88%
Greater than 30 Years	1.93%
	1 to 3 Years 3 to 5 Years 5 to 7 Years 7 to 10 Years 10 to 15 Years 15 to 20 Years 20 to 30 Years

TIAA-CREF Bond Index Fund | As of December 31, 2019

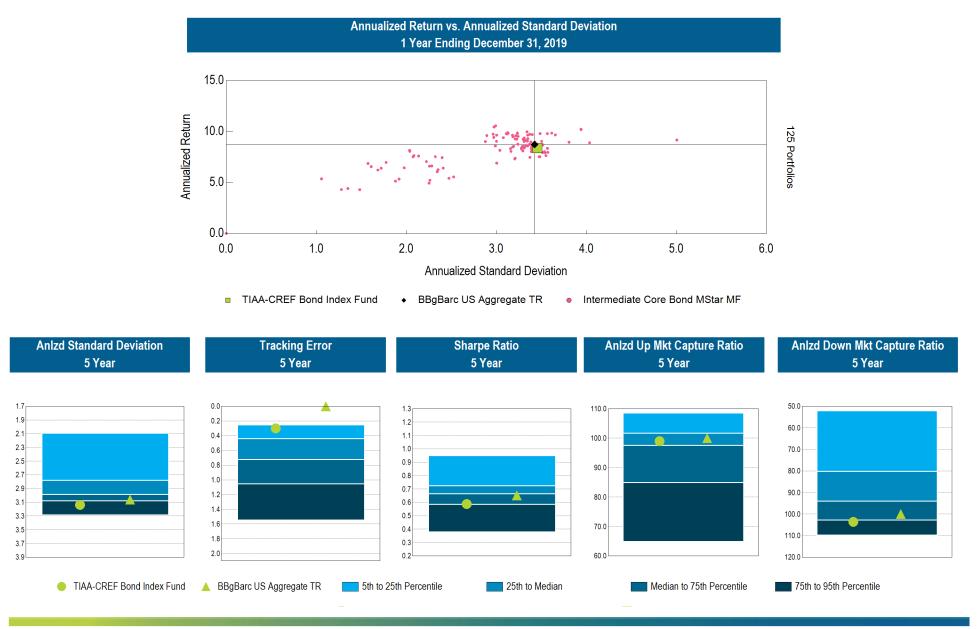




	QTD I	Rank	1 Yr I	Rank	2 Yrs I	Rank	3 Yrs I	Rank	5 Yrs	Rank	2019 F	Rank	2018 F	Rank	2017	Rank	2016	Rank	2015 I	Rank
TIAA-CREF Bond Index Fund	0.0	66	8.4	56	4.1	49	3.9	56	2.9	58	8.4	56	0.0	37	3.4	70	2.4	80	0.5	31
BBgBarc US Aggregate TR	0.2	37	8.7	40	4.3	30	4.0	43	3.0	40	8.7	40	0.0	34	3.5	66	2.6	69	0.5	29
Universe Median	0.1		8.5		4.1		3.9		3.0		8.5		-0.3		3.9		3.2		0.2	

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TIAA-CREF Bond Index Fund | As of December 31, 2019





TIAA-CREF Inflation Linked Bond Fund | As of December 31, 2019

Description:

The investment seeks to provide inflation protection and income, primarily through investment in inflation-linked bonds.

The fund invests at least 80% of its assets in fixed-income securities whose principal value increases or decreases based on changes in the Consumer Price Index for All Urban Consumers ("CPI-U"), over the life of the security. Typically, it will invest in U.S. Treasury Inflation-Indexed Securities ("TIIS"). Under most circumstances, the fund's investments in inflation-linked bonds of foreign issuers are generally less than 20% of its assets.

Portfolio Fund Information						
Ticker	TIILX					
Morningstar Category	Inflation-Protected Bond					
Morningstar Rating (3 Year)	3 (stars)					
Average Market Cap (\$mm)						
Net Assets (\$mm)	1,614.22					
% Assets in Top 10 Holdings	42.73					
Total Number of Holdings	49					
Manager Name	John Michael Cerra					
Manager Tenure	11					
Expense Ratio	0.26%					
Closed to New Investors	No					

Fund Characteristics	
Sharpe Ratio (3 Year)	0.44
Average Duration	5.06
Average Coupon	0.87%
Average Effective Maturity	5.34
R-Squared (3 Year)	0.98
Alpha (3 Year)	-0.01%
Beta (3 Year)	0.99

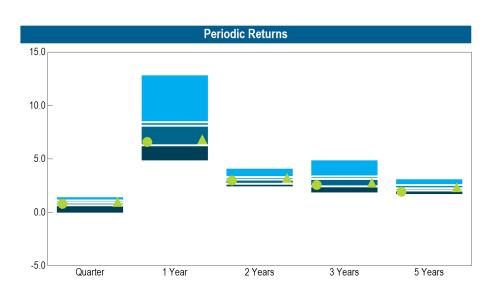
Top Holdings as of December 31, 201	9
UNITED STATES TREASURY NOTES 0.12%	4.88%
UNITED STATES TREASURY NOTES 0.25%	4.47%
UNITED STATES TREASURY BONDS 3.88%	4.45%
UNITED STATES TREASURY NOTES 0.5%	4.32%
UNITED STATES TREASURY NOTES 0.12%	4.30%
UNITED STATES TREASURY NOTES 0.62%	4.27%
UNITED STATES TREASURY NOTES 0.12%	4.20%
UNITED STATES TREASURY NOTES 0.38%	4.05%
UNITED STATES TREASURY NOTES 0.12%	3.90%
UNITED STATES TREASURY NOTES 0.12%	3.89%

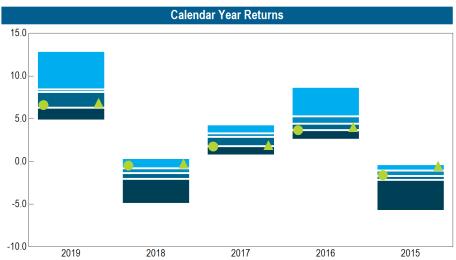
Fixed Income Sectors as of D	ecember 31, 2019
GOVERNMENT	97.22%
MUNICIPAL	0.00%
CORPORATE	0.51%
SECURITIZED	1.60%
CASH & EQUIVALENTS	0.67%
DERIVATIVE	0.00%

Credit Quality as of Septem	ber 30, 2019	Maturities as of Deceml	ber 31, 2019
AAA	99.58%	1 to 3 Years	22.46%
AA	0.00%	3 to 5 Years	24.37%
A	0.00%	5 to 7 Years	20.84%
ВВВ	0.00%	7 to 10 Years	29.97%
ВВ	0.00%	10 to 15 Years	0.95%
В	0.00%	15 to 20 Years	0.29%
Below B	0.00%	20 to 30 Years	0.93%
Not Rated	0.42%	Greater than 30 Years	0.00%

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TIAA-CREF Inflation Linked Bond Fund | As of December 31, 2019

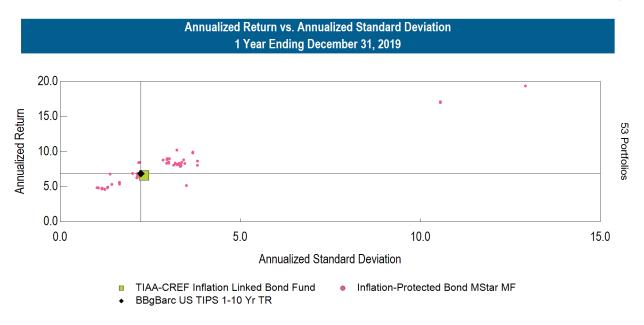


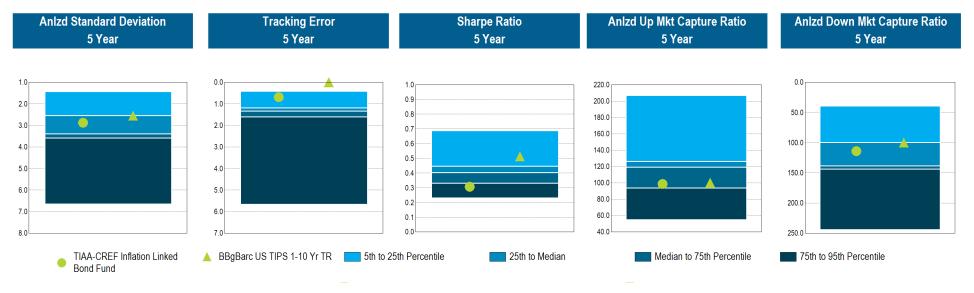


	QTD F	Rank	1 Yr F	Rank	2 Yrs F	Rank	3 Yrs F	Rank	5 Yrs F	Rank	2019 F	Rank	2018 F	Rank	2017 F	Rank	2016	Rank	2015 I	Rank
TIAA-CREF Inflation Linked Bond Fund	0.8	58	6.6	72	3.0	60	2.6	70	1.9	80	6.6	72	-0.5	22	1.7	77	3.7	76	-1.6	47
BBgBarc US TIPS 1-10 Yr TR	1.0	48	6.9	66	3.2	42	2.8	64	2.4	46	6.9	66	-0.3	19	1.9	74	4.0	62	-0.5	10
Universe Median	0.9		8.1		3.1		3.1		2.3		8.1		-1.4		2.9		4.4		-1.7	

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TIAA-CREF Inflation Linked Bond Fund | As of December 31, 2019







CalABLE Underlying Investments | As of December 31, 2019

Annual Investment Expense Analysis As Of December 31, 2019									
Name	Identifier	Category	Benchmark	Expense Ratio	Median Expense Ratio	Difference Fund v. Median			
CalABLE Underlying Investments									
TIAA-CREF Equity Index Fund	TIEIX	Large Blend	Russell 3000	0.05%	0.68%	-0.63%			
TIAA-CREF Int'l Equity Index Fund	TCIEX	Foreign Large Blend	MSCI EAFE	0.06%	0.84%	-0.78%			
TIAA-CREF Emerging Markets Index Fund	TEQLX	Diversified Emerging Mkts	MSCI Emerging Markets	0.20%	1.15%	-0.95%			
TIAA-CREF Bond Index Fund	TBIIX	Intermediate Core Bond	BBgBarc US Aggregate TR	0.11%	0.45%	-0.34%			
TIAA-CREF Inflation Linked Bond Fund	TIILX	Inflation-Protected Bond	BBgBarc US TIPS 1-10 Yr TR	0.26%	0.45%	-0.19%			
TIAA - Life Funding Agreement									

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Fee Schedule



Fee Schedule as of December 31, 2019

Portfolio*	State Administrative Fee (bps)	Estimated Underlying Investment Expenses (bps)	Total Annual Asset-Based Fees and Expenses
Aggressive Growth Portfolio	44	8	52
Moderate Portfolio	44	10	54
Conservative Portfolio	44	9	53
FDIC-Insured Portfolio**	44	N/A	44
Underlying Funds***	Prospectus Net Expense Ratio (bps)		
TIAA-CREF Equity Index Fund	5		
TIAA-CREF Int'l Equity Index Fund	6		
TIAA-CREF Emerging Markets Index Fund	20		
TIAA-CREF Bond Index Fund	12		
TIAA-CREF Inflation Linked Bond Fund	26		

^{*}Source: California's 529A Qualified ABLE Program Disclosure Statement and Participation Agreement

^{**}Currently, the 0.44% State Administrative Fee for the FDIC-Insured Portfolio is being waived by the Board. The Board reserves the right to charge a State Administrative Fee to the FDIC-Insured Portfolio in the future to the extend that the imposition of such Fee would not result in a loss of principal for Account Owners.

^{***}Source: Morningstar, Inc.