



August 17, 2018

Re: Annual Participant Fee Disclosure Notice

The enclosed information is being provided to help you make informed decisions when managing your account and planning your financial goals for retirement.

While no action is required at this time, please review the notice as it contains important information regarding the fees and expenses associated with your retirement plan and its investment options. To help facilitate your review, the notice is divided into two sections:

Section I: Summary of Plan Services and Costs which provides information about administrative fees, individual transaction expenses, and your right to direct how your contributions are invested

Section II: Investment Options Comparative Chart that provides information about your plan's available investment options including their respective performance and expenses

If you have a TIAA account, you can access the notice, as well as up-to-date investment performance, at [TIAA.org/rpi](http://TIAA.org/rpi). Simply log in to your TIAA account and follow these steps:

1. Go to "My Account"
2. Select "Research investments" under "Resources"
3. Select your plan name and your notice will appear under "Helpful Links"

Note: If you prefer to receive future notices electronically, update your eDelivery preferences under "Update Profile & Settings" under the "Manage my Portfolio" section.

More information about retirement plan fees and expenses is available at [www.TIAA.org/fees](http://www.TIAA.org/fees) or by calling TIAA at 800 842-2252, Monday through Friday, 8 a.m. to 10 p.m., and Saturday, 9 a.m. to 6 p.m. (ET).

If you have a Fidelity account, you can still access the notice online by going to [www.TIAA.org/planinvestmentoptions](http://www.TIAA.org/planinvestmentoptions) and entering the Plan ID 104192. You'll be directed to the most current information by going to "HELPFUL LINKS SPECIFIC TO THIS PLAN": Plan and Investment Notice.

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Fee Disclosure - (2/2018)

# Plan and Investment Notice

## RENSSELAER POLYTECHNIC INSTITUTE DC RET PLAN FOR RENSSELAER CONT

August 17, 2018

Your participation in your employer's retirement plan is the first step to ensuring adequate retirement income. The purpose of this Plan and Investment Notice is to help you make informed decisions when managing your retirement account. It contains important information regarding your plan's services, investments and expenses. **While no action is required at this time**, please review the notice and file it with your other retirement plan documents for future reference.

### Section I: Summary of Plan Services and Costs

This section provides important information to assist you in making decisions related to your participation in your employer's plan. It outlines the services available under this plan, explains your right to select the investments for your account, and any fees and plan restrictions that may apply.

### Section II: Investment Options Comparative Chart

This section is designed to make it easier for you to compare investments that align with your retirement goals. It provides detailed information about your plan's investment options, including long-term performance and expenses.

# Summary of Plan Services and Costs

Multiple providers have been selected to offer retirement services and investment options to employees in the plan. There are costs associated with these services and investments, some of which may be paid by you. In addition to explaining how to direct your investments, this section details the administrative and individual expenses associated with your plan.

The information is sorted by service provider to make it easier to compare. Your plan offers a range of investment options and services from the following providers :

TIAA  
Fidelity Investments

## TIAA

### RIGHT TO DIRECT INVESTMENTS

You may specify how your future contributions to the retirement plan are invested or make changes to existing investments in your plan as described in the Summary Plan Document. These changes can be made:

1. Online by visiting **TIAA.org**
2. By phone at **800 842-2252**, Monday – Friday 8 a.m. to 10 p.m. and Saturday, 9 a.m. to 6 p.m. (ET)

### RESTRICTIONS

Changes to existing investments usually takeplace at the close of the business day if a change is requested prior to 4:00 p.m. (ET). Refer to Section II: Investment Options Comparative Chart for investment-specific restrictions.

### ADDITIONAL RIGHTS AND PRIVILEGES

Certain investments that you may hold may give you the opportunity to vote on proposals. If and when such opportunities arise, you will receive a notice with the instructions on how to take advantage of what is being offered.

### INVESTMENT OPTIONS

A variety of investment options are available in the plan. Please refer to Section II: Investment Options Comparative Chart for a current list of investment options available to you. Additional information, as well as up-to-date investment performance, is available online at [www.tiaa-cref.org/planinvestmentoptions](http://www.tiaa-cref.org/planinvestmentoptions). After entering your plan ID, 104192, you'll be directed to plan and investment information.

### COST OF PLAN SERVICES

There are three categories of services provided to your plan:

#### 1. GENERAL ADMINISTRATIVE SERVICES

General administrative services include recordkeeping, legal, accounting, consulting, investment advisory and other plan administration services. Some of the expenses for general administrative services are fixed and other expenses such as legal or accounting may vary from year to year. These costs are allocated to each participant in a uniform way.

Other than your specific investment services fees, your plan has no additional administrative expenses paid to TIAA.

#### 2. SPECIFIC INVESTMENT SERVICES

Each investment offered within the plan charges a fee for managing the investment and for associated services. This is referred to as the expense ratio and is paid by all participants in that investment in proportion to the amount of their investment. The specific expense ratio for each plan designated investment option is listed in Section II: Investment Options Comparative Chart.

#### 3. PERSONALIZED SERVICES

Personalized services provide access to a number of plan features and investments that you pay for, only if you use them. The personalized services used most often are:

Qualified Domestic Relations Orders (QDRO)	No charge
Sales Charges, Purchase, Withdrawal And Redemption Fees For Certain Investments	Certain charges may apply. See Section II: Investment Options Comparative Chart or the prospectus for applicable charges.

# FIDELITY INVESTMENTS

## RIGHT TO DIRECT INVESTMENTS

You have the right to direct your account balance, and any future contributions, among the Plans investment options, subject to any restrictions. Your rights under the Plan, and any restrictions, are subject to the terms of the Plan.

## RESTRICTIONS

Any frequent trading restrictions imposed by the Plan and/or by the Plans investment options are listed in the Investment Options Comparative Chart. Keep in mind, restrictions are subject to change.

## INVESTMENT OPTIONS

The Plan offers a choice of investment options that allow you to create a diversified portfolio to help you meet your individual needs. The Plans investment options, along with certain information about each of them, are listed in Section II of this Notice.

## ASSET BASED FEES

Asset-based fees reflect an investment options total annual operating expenses and include management and other fees. They are often the largest component of retirement plan costs and are paid by all shareholders of the investment option.

Typically, asset-based fees are reflected as a percentage of assets invested in the option and often are referred to as an expense ratio. You may multiply the expense ratio by your balance in the investment option to estimate the annual expenses associated with your holdings. Refer to the Investment Comparative Chart for information about the Plans investment options, including their expense ratios (where applicable). Asset-based fees are deducted from an investment options assets, thereby reducing its investment return. Fee levels can vary widely among investment options, depending in part on the type of investment option, its management (including whether it is active or passive), and the risks and complexities of the options strategy. There is not necessarily a correlation between fees and investment performance, and fees are just one component to consider when determining which investment options are right for you.

## EXERCISING VOTING, TENDER, AND SIMILAR RIGHTS

You have the right to exercise voting, tender, and similar rights related to the following investments you may have in your Plan account:

I Mutual Funds

## INDIVIDUAL FEES AND EXPENSES

Individual fees and expenses include those associated with a service or transaction that an individual may select. In some instances, they may be deducted from the accounts of those individuals who utilize the service or engage in the transaction.

If you have an account in the Plan and you select or execute the following service(s) or transaction(s), the fee(s) outlined below may be deducted from your account based on the information and direction Fidelity had on file at the time this brochure was prepared. As you review this information, please keep in mind that fees are subject to change and that certain individual fees may not be deducted in some circumstances. Overnight

Mailing Fee = \$25.00 per transaction.

Also please note that you may incur short-term redemption fees, commissions, and similar expenses in connection with transactions associated with your Plans investment options. Please see the Investment Comparative Chart for details regarding the specific fees that may apply to the investment options available under the Plan. If any individual fees are actually deducted from your account, they will be reflected on your Plan account statement.

## PLAN ADMINISTRATIVE FEES AND EXPENSES

Plan administrative fees may include legal, accounting, trustee, recordkeeping, and other administrative fees and expenses associated with maintaining the Plan. In some instances, they may be deducted from individual accounts in the Plan. Based on the information and direction Fidelity had on file at the time this brochure was prepared, no plan administrative fees were to be deducted from accounts in the Plan.

Please keep in mind that fees are subject to change. If any plan administrative fees are actually deducted from your account, they will be reflected on your Plan account statement.

# Investment Options Comparative Chart

Your plan offers a variety of professionally managed investments. One of the benefits of the plan is that you get to decide how your contributions are invested. When making investment decisions, you should keep in mind how long you have until retirement, your tolerance for risk, how this retirement plan fits into your overall financial picture, and the impact of fees. The information on the following pages will help you compare the investment options and make more informed decisions about your retirement plan.

## Part A – Performance and Fee Information

Part A consists of performance and fee information for your plan's investment options. It shows you how well the investments have performed in the past as well as any fees and expenses you will pay if you invest in a particular option.

For more information on the impact of fees and expenses associated with your plan, refer to Section I: Summary of Plan Services and Costs or visit the DOL's website at [www.dol.gov/ebsa/publications/401k\\_employee.html](http://www.dol.gov/ebsa/publications/401k_employee.html). Fees are only one of many factors to consider when making an investment decision.

## Part B – Annuity Income Information

Part B contains information about the annuity options available within your employer's retirement plan.

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## Part A. Performance and Fee Information

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The following chart(s) list(s) your plan's investment options whose value may change based on market fluctuations. When evaluating performance of your variable investment options, you should consider comparing the returns of each investment to an appropriate benchmark, which is included in the chart. A benchmark is a generally accepted unmanaged group of securities whose performance is used as a standard point of reference to measure and compare investment gains or losses for variable return investments. Keep in mind that you may not invest in the benchmark indexes which are shown for comparative purposes only. For investments that use a blend of stocks and bonds to limit risk, such as Target Date or Multi-Asset funds, a difference from the benchmark may be due to a difference in the proportion of stocks to bonds in the fund when compared to the benchmark. Benchmark information for fixed-return investments is not provided in this chart. Past performance does not indicate how an investment will perform in the future.

## TIAA

For the most up-to-date information about your investment options, prospectuses for available TIAA investments and other helpful resources, visit [www.tiaa-cref.org/planinvestmentoptions](http://www.tiaa-cref.org/planinvestmentoptions). After entering your plan ID, 104192, you'll be directed to plan and investment information.

Visit [tiaa.org](http://tiaa.org) for information and resources to help you make informed decisions. To request additional plan information or a paper copy of information available online, free of charge, contact TIAA at 800 842-2252 or write to us at TIAA, P.O. Box 1259, Charlotte, NC, 28201.

Table 1 – Variable Return Investment Performance as of June 30, 2018

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<b>Equities</b>									
<b>Mutual Fund</b>									
<b>MFS International Value Fund R4</b>	Foreign Large Blend	MINHX	10/01/2008	8.96%	10.17%	9.82%	0.76% \$7.60	0.76% \$7.60	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
				4.25%	5.37%	4.34%			
<b>MSCI EAFE Value Index (NR USD)</b>				4.25%	5.37%	4.34%			
<b>TIAA-CREF International Equity Index Fund Retirement</b>	Foreign Large Blend	TRIEX	10/01/2002	6.20%	6.26%	2.76%	0.31% \$3.10	0.31% \$3.10	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
				6.84%	6.44%	2.84%	Contractual Cap Exp: 02/28/2019		
<b>MSCI EAFE Index</b>				6.84%	6.44%	2.84%	Contractual Cap Exp: 02/28/2019		
<b>American Funds EuroPacific Growth Fund R4</b>	Foreign Large Growth	RREX	06/07/2002	8.97%	7.96%	4.49%	0.83% \$8.30	0.83% \$8.30	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
				7.28%	5.99%	2.54%			
<b>MSCI AC World Ex USA Index</b>				7.28%	5.99%	2.54%			
<b>TIAA-CREF S&amp;P 500 Index Fund Retirement</b>	Large Blend	TRSPX	10/01/2002	14.00%	13.06%	9.83%	0.31% \$3.10	0.31% \$3.10	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
				14.37%	13.42%	10.17%	Contractual Cap Exp: 02/28/2019		
<b>S&amp;P 500 Index</b>				14.37%	13.42%	10.17%	Contractual Cap Exp: 02/28/2019		
<b>TIAA-CREF Social Choice Equity Fund Premier</b>	Large Blend	TRPSX	09/30/2009	13.49%	11.91%	9.61%	0.33% \$3.30	0.33% \$3.30	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<i>Russell 3000 Index</i>				14.78%	13.29%	10.23%		Contractual Cap Exp: 02/28/2019	
<b>JPMorgan Large Cap Growth Fund A</b>	Large Growth	OLGAX	02/22/1994	28.48%	17.22%	11.46%	1.11%	0.94%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell 1000 Growth Index</i>				22.51%	16.36%	11.83%		Contractual Waiver Exp: 10/31/2019	
<b>TIAA-CREF Growth &amp; Income Fund Premier</b>	Large Growth	TRPGX	09/30/2009	16.95%	13.76%	10.40%	0.56%	0.56%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>S&amp;P 500 Index</i>				14.37%	13.42%	10.17%		Contractual Cap Exp: 02/28/2019	
<b>MFS Value Fund R3</b>	Large Value	MEIHX	04/01/2005	3.76%	10.39%	8.38%	0.84%	0.84%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell 1000 Value Index</i>				6.77%	10.34%	8.49%			
<b>T. Rowe Price Extended Equity Market Index Fund</b>	Mid-Cap Blend	PEXMX	01/30/1998	16.41%	12.53%	10.74%	0.35%	0.35%	Redemption Fee: 0.50% if held < 90 days. Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>S&amp;P Completion Index</i>				16.72%	12.53%	10.66%			
<b>MassMutual Select Mid Cap Growth Equity II Fund Service</b>	Mid-Cap Growth	MEFYX	05/31/2000	13.72%	14.35%	11.33%	0.92%	0.92%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell Midcap Growth Index</i>				18.52%	13.37%	10.45%			
<b>TIAA-CREF Mid-Cap Value Fund Premier</b>	Mid-Cap Value	TRVPX	09/30/2009	7.32%	9.94%	8.59%	0.56%	0.56%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell Midcap Value Index</i>				7.60%	11.27%	10.06%		Contractual Cap Exp: 02/28/2019	
<b>Invesco Real Estate Fund A</b>	Real Estate	IARAX	12/31/1996	4.69%	7.95%	7.25%	1.27%	1.27%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>FTSE Nareit All Equity REITs Index</i>				4.93%	8.88%	8.30%			

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<b>Goldman Sachs Small Cap Value Fund Institutional</b>	Small Blend	GSSIX	08/15/1997	12.09%	11.60%	11.53%	\$9.70	\$9.50	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell 2000 Value Index</i>				13.10%	11.18%	9.88%	Contractual Waiver Exp: 12/29/2018		
<b>Carillon Eagle Small Cap Growth Fund I</b>	Small Growth	HSIIX	06/27/2006	18.39%	12.95%	11.49%	0.78% \$7.80	0.78% \$7.80	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell 2000 Growth Index</i>				21.86%	13.65%	11.24%			
<b>TIAA-CREF Quant Small- Cap Equity Fund Premier</b>	Small Growth	TSRPX	09/30/2009	14.92%	12.97%	10.61%	0.56% \$5.60	0.56% \$5.60	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<i>Russell 2000 Index</i>				17.57%	12.46%	10.60%	Contractual Cap Exp: 02/28/2019		
<b>Variable Annuity</b>									
<b>CREF Stock Account R2</b>	Allocation--85%+ Equity	QCSTPX	04/24/2015	12.26%	10.87%	7.75%	0.37% \$3.70	0.37% \$3.70	Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.
<i>Morningstar Aggressive Target Risk Index</i>				11.42%	9.93%	7.55%			
<b>CREF Equity Index Account R2</b>	Large Blend	QCEQPX	04/24/2015	14.45%	12.92%	9.85%	0.30% \$3.00	0.30% \$3.00	Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.
<i>Russell 3000 Index</i>				14.78%	13.29%	10.23%			
<b>CREF Growth Account R2</b>	Large Growth	QCGRPX	04/24/2015	23.93%	16.54%	11.36%	0.32% \$3.20	0.32% \$3.20	Contributions and Transfers in not allowed. Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.
<i>Russell 1000 Growth Index</i>				22.51%	16.36%	11.83%			
<b>CREF Global Equities Account R2</b>	World Stock	QCGLPX	04/24/2015	11.33%	9.65%	6.14%	0.40% \$4.00	0.40% \$4.00	Contributions and Transfers in not allowed. Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.
<i>MSCI All Country World Index (NR USD)</i>				10.73%	9.41%	5.80%			
<b>Fixed Income Mutual Fund</b>									



Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)			Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net		
<b>Dreyfus Bond Market Index Fund Investor</b>	Intermediate- Term Bond	DBMIX	04/28/1994	-0.85%	1.81%	3.20%	0.41% \$4.10	0.40% \$4.00	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.	
<b>Bloomberg Barclays U.S. Aggregate Bond Index</b>				-0.40%	2.27%	3.72%				
<b>Metropolitan West Total Return Bond Fund I</b>	Intermediate- Term Bond	MWTIX	03/31/2000	-0.21%	2.49%	5.54%	0.44% \$4.40	0.44% \$4.40	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.	
<b>Bloomberg Barclays U.S. Aggregate Bond Index</b>				-0.40%	2.27%	3.72%				
<b>Variable Annuity</b>										
<b>CREF Inflation-Linked Bond Account R2</b>	Inflation-Protected Bond	QCILPX	04/24/2015	1.22%	1.18%	2.53%	0.31% \$3.10	0.31% \$3.10	Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.	
<b>Bloomberg Barclays U.S. Treasury Inflation Protected Securities (TIPS) 1-10 Year Index</b>				1.45%	1.21%	2.26%				
<b>CREF Bond Market Account R2</b>	Intermediate- Term Bond	QCBMPX	04/24/2015	-0.26%	2.48%	3.60%	0.37% \$3.70	0.37% \$3.70	Contributions and Transfers in not allowed. Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.	
<b>Bloomberg Barclays U.S. Aggregate Bond Index</b>				-0.40%	2.27%	3.72%				
<b>Money Market</b>										
<b>Variable Annuity</b>										
<b>CREF Money Market Account R2</b>	Money Market- Taxable	QCMMPX	04/24/2015	0.79%	0.20%	0.22%	0.30% \$3.00	0.30% \$3.00		
7-day current annualized yield 1.23% as of 06/26/2018 7-day effective annualized yield 1.24% as of 06/26/2018										
<b>iMoneyNet Money Fund Averages - All Government</b>				0.89%	0.23%	0.18%				
<b>Multi-Asset</b>										
<b>Mutual Fund</b>										
<b>TIAA-CREF Lifecycle Retirement Income Fund Premier</b>	Retirement Income	TPILX	09/30/2009	5.55%	5.91%	5.62%	0.69% \$6.90	0.53% \$5.30	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.	

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<b>S&amp;P Target Date Retirement Income Index</b>				4.23%	4.56%	4.50%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2010 Fund Premier</b>	Target Date 2000- 2010	TCTPX	09/30/2009	5.94%	6.38%	5.74%	0.65%	0.53%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2010 Index</b>				4.82%	5.38%	5.08%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2015 Fund Premier</b>	Target-Date 2015	TCFPX	09/30/2009	6.53%	6.87%	5.97%	0.66%	0.54%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2015 Index</b>				5.55%	6.20%	5.63%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2020 Fund Premier</b>	Target-Date 2020	TCWPX	09/30/2009	7.42%	7.57%	6.29%	0.66%	0.55%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2020 Index</b>				6.27%	6.93%	6.06%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2025 Fund Premier</b>	Target-Date 2025	TCQPX	09/30/2009	8.62%	8.30%	6.60%	0.67%	0.56%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2025 Index</b>				7.38%	7.60%	6.43%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2030 Fund Premier</b>	Target-Date 2030	TCHPX	09/30/2009	9.72%	8.99%	6.85%	0.68%	0.57%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2030 Index</b>				8.47%	8.26%	6.73%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2035 Fund Premier</b>	Target-Date 2035	TCYPX	09/30/2009	10.93%	9.63%	7.20%	0.69%	0.58%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2035 Index</b>				9.47%	8.88%	7.00%		Contractual Waiver Exp: 09/30/2020	
<b>TIAA-CREF Lifecycle 2040 Fund Premier</b>	Target-Date 2040	TCZPX	09/30/2009	12.13%	10.19%	7.55%	0.70%	0.59%	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2040 Index</b>				10.20%	9.30%	7.20%		Contractual Waiver Exp: 09/30/2020	

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<b>TIAA-CREF Lifecycle 2045 Fund Premier</b>	Target-Date 2045	TTFPX	09/30/2009	12.67%	10.41%	7.48%	0.72% \$7.20	0.60% \$6.00	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2045 Index</b>				10.55%	9.59%	7.27%	Contractual Waiver Exp: 09/30/2020		
<b>TIAA-CREF Lifecycle 2050 Fund Premier</b>	Target-Date 2050	TCLPX	09/30/2009	12.97%	10.51%	7.40%	0.72% \$7.20	0.60% \$6.00	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2050 Index</b>				10.85%	9.89%	7.44%	Contractual Waiver Exp: 09/30/2020		
<b>TIAA-CREF Lifecycle 2055 Fund Premier</b>	Target-Date 2055	TTRPX	04/29/2011	13.07%	10.57%	9.04%	0.76% \$7.60	0.60% \$6.00	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2055 TR USD</b>				10.96%	10.06%	8.68%	Contractual Waiver Exp: 09/30/2020		
<b>TIAA-CREF Lifecycle 2060 Fund Premier</b>	Target-Date 2060+	TLXPX	09/26/2014	13.21%	-	9.00%	1.35% \$13.50	0.60% \$6.00	Round Trip: You cannot exchange into the fund within 30 calendar days of exchanging out of the fund.
<b>S&amp;P Target Date 2060+ TR USD</b>				11.17%		8.28%	Contractual Waiver Exp: 09/30/2020		
<b>Variable Annuity</b>									
<b>CREF Social Choice Account R2</b>	Allocation--50% to 70% Equity	QCSCPX	04/24/2015	6.76%	7.26%	6.67%	0.33% \$3.30	0.33% \$3.30	Round Trip: If a round trip is made within 60 calendar days, exchanges into the same account will be restricted for 90 calendar days.
<b>Morningstar Moderate Target Risk Index</b>				6.92%	6.92%	6.28%			
<b>Real Estate</b>									
<b>Variable Annuity</b>									
<b>TIAA Real Estate Account</b>	N/A	QREARX	10/02/1995	5.05%	7.49%	2.66%	0.79% \$7.90	0.79% \$7.90	Transfers out: Limit 1 per quarter. Limitations may apply to any transaction resulting in a balance > \$150,000.
<b>S&amp;P 500 Index</b>				14.37%	13.42%	10.17%			

Table 1 shows fee and expense information for the investment options listed including the Total Annual Operating Expenses expressed as a percentage and a dollar amount based upon a \$1,000 accumulation both as net and gross of expenses. Total Annual Operating Expenses is a measure of what it costs to operate an investment, expressed as a percentage of its assets, as a dollar amount or in basis points. These are costs the investor pays through a reduction in the investment's rate of return.

# FIDELITY INVESTMENTS

To request additional plan information from this service provider or a paper copy of information available online, free of charge, contact: Fidelity Investments, PO Box # 770003, Cincinnati, OH 45277-0065 or call 800-343-0860.

Table 1 – Variable Return Investment Performance as of June 30, 2018

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
		FDKNX		-	-	-			
		FFKAX		-	-	-			
		FFKCX		-	-	-			
		FFKDX		-	-	-			
		FFKEX		-	-	-			
		FFKFX		-	-	-			
		FFKGX		-	-	-			
		FFKHX		-	-	-			

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
		FFKVX		-	-	-			
		FKTHX		-	-	-			
		FKTWX		-	-	-			
		FKVFX		-	-	-			

## Allocation

## Mutual Fund

<b>Fidelity Freedom K® 2055</b>		FDENX	06/01/2011	20.99%	-	10.10%	0.66% \$6.60	0.66% \$6.60
<b>S&amp;P 500 TR USD</b>				24.61%	18.83%	7.78%		
<b>Fidelity&amp;reg; Balanced K</b>	Allocation-- 50% to 70% Equity	FBAKX	05/09/2008	10.90%	10.08%	7.89%	0.46% \$4.60	0.46% \$4.60
<b>S&amp;P 500 TR USD</b>				14.37%	13.42%	10.17%		

## Equities

## Mutual Fund

<b>Fidelity&amp;reg; International Index Premium</b>	Foreign Large Blend	FSIVX	10/14/2005	6.60%	6.47%	2.99%	0.06% \$0.60	0.06% \$0.60
<b>MSCI EAFE NR USD</b>				6.84%	6.44%	2.84%		
<b>MFS International Value Fund R4</b>	Foreign Large Blend	MINHX	10/01/2008	8.96%	10.17%	9.82%	0.76% \$7.60	0.76% \$7.60
<b>MSCI EAFE Value Index (NR USD)</b>				4.25%	5.37%	4.34%		
<b>American Funds EuroPacific Growth Fund R5</b>	Foreign Large Growth	RERFX	05/15/2002	9.30%	8.29%	4.80%	0.53% \$5.30	0.53% \$5.30

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<b>MSCI AC World Ex USA Index</b>				7.28%	5.99%	2.54%			
<b>Fidelity®; 500 Index Premium</b>	Large Blend	FUSVX	10/14/2005	14.34%	13.38%	10.14%	0.04% \$0.40	0.04% \$0.40	
<b>S&amp;P 500 TR USD</b>				14.37%	13.42%	10.17%			
<b>Fidelity®; Total Market Index Premium</b>	Large Blend	FSTVX	10/14/2005	14.79%	13.22%	10.26%	0.04% \$0.40	0.04% \$0.40	
<b>DJ US Total Stock Market TR USD</b>				14.79%	13.22%	10.28%			
<b>Fidelity®; Contrafund®; K</b>	Large Growth	FCNKX	05/09/2008	24.11%	16.13%	11.02%	0.65% \$6.50	0.65% \$6.50	
<b>S&amp;P 500 TR USD</b>				14.37%	13.42%	10.17%			
<b>MFS Value Fund R4</b>	Large Value	MEIJX	04/01/2005	4.03%	10.66%	8.65%	0.59% \$5.90	0.59% \$5.90	
<b>Russell 1000 Value Index</b>				6.77%	10.34%	8.49%			
<b>John Hancock Disciplined Value Mid Cap Fund I</b>	Mid-Cap Blend	JVMIX	06/03/1997	7.54%	12.76%	12.52%	0.86% \$8.60	0.86% \$8.60	
<b>Russell Midcap Value Index</b>				7.60%	11.27%	10.06%			
<b>MassMutual Select Mid Cap Growth Equity II Fund Service</b>	Mid-Cap Growth	MEFYX	05/31/2000	13.72%	14.35%	11.33%	0.92% \$9.20	0.92% \$9.20	
<b>Russell Midcap Growth Index</b>				18.52%	13.37%	10.45%			
<b>Nuveen Real Estate Securities Fund I</b>	Real Estate	FARCX	06/30/1995	3.34%	8.23%	8.54%	1.04% \$10.40	1.04% \$10.40	
<b>MSCI U.S. REIT Index</b>				3.57%	8.26%	7.95%			
<b>Goldman Sachs Small Cap Value Fund Institutional</b>	Small Blend	GSSIX	08/15/1997	12.09%	11.60%	11.53%	0.97% \$9.70	0.95% \$9.50	
<b>Russell 2000 Value Index</b>				13.10%	11.18%	9.88%			
<b>Carillon Eagle Small Cap Growth Fund I</b>	Small Growth	HSIIX	06/27/2006	18.39%	12.95%	11.49%	0.78% \$7.80	0.78% \$7.80	Contractual Waiver Exp: 12/29/2018
<b>Russell 2000 Growth Index</b>				21.86%	13.65%	11.24%			

Investment Name / Benchmark	Morningstar Category	Ticker Symbol	Inception Date	Average Annual Total Returns/Benchmark			Total Annual Operating Expenses (%/Per \$1000)		Shareholder Fees & Restrictions
				1 Yr.	5 Yr.	10 Yr. or Since Inception	Gross	Net	
<b>Fixed Income</b>									
<b>Mutual Fund</b>									
<b>Fidelity</b> ; Inflation- Protected Bond	Inflation- Protected Bond	FINPX	06/26/2002	1.72%	1.26%	2.56%	0.45% \$4.50	0.45% \$4.50	
<b>BBgBarc US Treasury US TIPS TR USD</b>				2.11%	1.68%	3.03%			
<b>Fidelity</b> ; US Bond Index Premium	Intermediate- Term Bond	FSITX	05/04/2011	-0.62%	2.19%	2.51%	0.05% \$0.50	0.05% \$0.50	
<b>BBgBarc US Agg Bond TR USD</b>				-0.40%	2.27%	3.72%			
<b>Metropolitan West Total Return Bond Fund I</b>	Intermediate- Term Bond	MWTIX	03/31/2000	-0.21%	2.49%	5.54%	0.44% \$4.40	0.44% \$4.40	
<b>Bloomberg Barclays U.S. Aggregate Bond Index</b>				-0.40%	2.27%	3.72%			
<b>Money Market</b>									
<b>Mutual Fund</b>									
<b>Fidelity</b> ; Government MMkt	Money Market- Taxable	SPAXX	02/05/1990	0.95%	0.23%	0.24%	0.42% \$4.20	0.42% \$4.20	
<b>ICE BofAML USD 3M Dep OR CM TR USD</b>				1.53%	0.66%	0.73%			

Table 1 shows fee and expense information for the investment options listed including the Total Annual Operating Expenses expressed as a percentage and a dollar amount based upon a \$1,000 accumulation both as net and gross of expenses. Total Annual Operating Expenses is a measure of what it costs to operate an investment, expressed as a percentage of its assets, as a dollar amount or in basis points. These are costs the investor pays through a reduction in the investment's rate of return.

## TIAA

## Table 2 – Fixed Return Investments

The following chart lists the plan's investment options that have a fixed or stated rate of return.

Name/Type/Option	Return	Term	Additional Information
<b>Guaranteed Annuity</b>			
TIAA Traditional-Group Retirement Annuity	4.00%	Through 02/28/2019	<p>The current rate shown applies to premiums remitted during the month of August 2018 and will be credited through 2/28/2019. This rate is subject to change in subsequent months. Up-to-date rate of return information is available on your plan-specific website noted above or at 800-842-2733. TIAA Traditional guarantees your principal and a minimum annual interest rate. The guaranteed minimum interest rate is 3.00%, and is effective while the funds remain in the contract. The account also offers the opportunity for additional amounts in excess of the guaranteed minimum interest rate. When declared, additional amounts remain in effect for the twelve-month period that begins each March 1 for accumulating annuities and January 1 for payout annuities. Additional amounts are not guaranteed for the future years. All guarantees are subject to TIAA's claims paying ability. TIAA Traditional is designed primarily to help meet your long-term retirement income needs; it is not a short-term savings vehicle. Therefore, some contracts require that benefits are paid in installments over time and/or may impose surrender charges on certain withdrawals. TIAA has rewarded participants who save in contracts where benefits are paid in installments over time instead of in an immediate lump-sum by crediting higher interest rates, typically 0.50% to 0.75% higher. Higher rates will lead to higher account balances and more retirement income for you. For Group Retirement Annuity (GRA) contracts, and subject to the terms of your employer's plan, lump-sum withdrawals are available from the TIAA Traditional account only within 120 days after termination of employment and are subject to a 2.5% surrender charge. All other withdrawals and transfers from the account must be paid in ten annual installments. After termination of employment additional income options may be available including income for life, income for a fixed period, interest-only payments and IRS required minimum distributions.</p>
TIAA Traditional-Retirement Annuity	4.00%	Through 02/28/2019	<p>The current rate shown applies to premiums remitted during the month of August 2018 and will be credited through 2/28/2019. This rate is subject to change in subsequent months. Up-to-date rate of return information is available on your plan-specific website noted above or at 800-842-2733. TIAA Traditional guarantees your principal and a minimum annual interest rate. The guaranteed minimum interest rate is 3.00%, and is effective while the funds remain in the contract. The account also offers the opportunity for additional amounts in excess of the guaranteed minimum interest rate. When declared, additional amounts remain in effect for the twelve-month period that begins each March 1 for accumulating annuities and January 1 for payout annuities. Additional amounts are not guaranteed for the future years. All guarantees are subject to TIAA's claims paying ability. TIAA Traditional is designed primarily to help meet your long-term retirement income needs; it is not a short-term savings vehicle. Therefore, some contracts require that benefits are paid in installments over time and/or may impose surrender charges on certain withdrawals. TIAA has rewarded participants who save in contracts where benefits are paid in installments over time instead of in an immediate lump-sum by crediting higher interest rates, typically 0.50% to 0.75% higher. Higher rates will lead to higher account balances and more retirement income for you. For Retirement Annuity (RA) contracts, lump-sum withdrawals are not available from the TIAA Traditional account. Subject to the terms of your plan, all withdrawals and transfers from the account must be paid in ten annual installments. After termination of employment additional income options may be available including income for life, interest-only payments, and IRS required minimum distribution payments.</p>





## Part B. Annuity Information

The information below focuses on the annuity options under the plan. Annuities are insurance contracts that allow you to receive a guaranteed stream of payments at regular intervals, usually beginning when you retire and lasting for your entire life. Annuities are issued by insurance companies. Guarantees of an insurance company are subject to its long-term financial strength and claims-paying ability.

### TIAA

#### TIAA Traditional Annuity Lifetime Income Option

##### OBJECTIVES / GOALS

To provide a guaranteed stable stream of income for your life and, if you choose, the life of an annuity partner. A TIAA Traditional Annuity provides income stability by providing a minimum guaranteed interest rate as well as the potential for additional interest. TIAA Traditional can be part of a diversified retirement portfolio that may include stocks (equities), bonds (fixed income), real estate, and money market investments. Electing a life annuity is just one of many payout options available under the TIAA Traditional Annuity.

##### PRICING FACTORS

The amount of your lifetime income is dependent upon many factors including:

- The type of annuity selected (single life, joint life, with or without guaranteed minimum periods), and your selection of either the standard or graded benefit method.
- The amount of accumulations converted to a life annuity.
- Your age and, if applicable, the age of your annuity partner.
- The projected returns of the TIAA Traditional Annuity.

Under no circumstances will you receive less than the guaranteed amount of income required under the annuity contracts. To learn more about investments that offer lifetime annuity income, please access the web link provided in the Performance and Fee Information section.

##### RESTRICTIONS / FEES

- You may not begin a one-life annuity after you attain age 90, nor may you begin a two-life annuity after you or your annuity partner attains age 90.
- Subject to contract terms, if your accumulation is less than \$5,000 on your annuity starting date, TIAA may choose instead to pay your accumulations to you in a single sum.
- If your TIAA annuity payment would be less than \$100, TIAA has the right to change the payment frequency which would result in a payment of \$100 or more.
- Once you have elected a lifetime annuity, your election is irrevocable.

#### TIAA Real Estate and CREF Variable Annuity Lifetime Income Options

##### OBJECTIVES / GOALS

To provide a variable stream of income for your life and, if you choose, the life of an annuity partner. This lifetime annuity provides a variable income that you cannot outlive. A variable annuity can be part of a diversified retirement portfolio that may include guaranteed, stocks (equities), bonds (fixed income), real estate, and money market investments. Electing a life annuity is just one of many payout options available.

##### PRICING FACTORS

The amount of your lifetime income is dependent upon many factors including:

- The type of annuity selected (single life, joint life, with or without guaranteed minimum periods).
- The amount of accumulations converted to a life annuity.
- Your age and, if applicable, the age of your annuity partner.
- The investment performance of the variable annuity account your annuity is based upon.

Variable annuity accounts don't guarantee a minimum income. Income fluctuates based on market performance and is directly tied to the accounts' investment returns. A 4% annual investment return is assumed. Generally, if the actual return in a given year is greater than 4% the amount of annuity income will increase; if it is less than 4%, the income will decrease. To learn more about investments that offer lifetime annuity income, please access the web link provided in the Performance and Fee Information section.

##### RESTRICTIONS / FEES

- You may not begin a one-life annuity after you attain age 90, nor may you begin a two-life annuity after you or your annuity partner attains age 90.
- Subject to contract terms, if your accumulation is less than \$5,000 on your annuity starting date, TIAA may choose instead to pay your accumulations to you in a single sum.

sum.

- If your annuity payment would be less than \$100, TIAA has the right to change the payment frequency which would result in a payment of \$100 or more.
- Once you have elected a lifetime annuity, your election is irrevocable.
- Upon annuitization of CREF accumulations, the expenses associated with CREF will be the same as the R3 Class regardless of the CREF Class prior to annuitization. The R3 Class has the lowest expense of all the CREF Classes.

Please visit [www.tiaa-cref.org/public/support/help/glossary/index.html](http://www.tiaa-cref.org/public/support/help/glossary/index.html) for a glossary of investment terms relevant to the investment options under this plan.

Fees and expenses are only one of many factors to consider when you decide to invest in an option. You may also want to think about whether an investment in a particular option, along with your other investments, will help you achieve your financial goals. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement savings. Visit the Department of Labor's website for an example showing the long-term effect of fees and expenses at [www.dol.gov/ebsa/publications/401k\\_employee.html](http://www.dol.gov/ebsa/publications/401k_employee.html).

**Other service provider important additional information:**

NULL

**TIAA important additional information:**

The returns quoted represent past performance, which is no guarantee of future results. Returns and the principal value of your investment will fluctuate. Current performance may be higher or lower than that shown, and you may have a gain or a loss when you redeem your investments. Expense ratios shown are based on the most recent information available, but may not reflect all updates. Please consult the most recent prospectus or offering document for more detailed information.

Variable return investments (mutual funds and/or variable annuities) are offered through your plan sponsor's retirement plan. Funds are offered at that day's net asset value (NAV), and the performance is displayed accordingly. Performance at NAV does not reflect sales charges, which are waived through your retirement plan. If included, the sales charges would have reduced the performance as quoted.

If a variable return investment option includes performance for periods beyond its inception date that performance is based on the performance of an older share class of the investment option. Such performance has not been restated to reflect expense differences between the two classes. If expense differences had been reflected, performance for these periods would be lower or higher than stated.

TIAA provides information on restrictions on recordkept investment options, as well as performance and product information for all proprietary investment options. TIAA assumes no responsibility for damages or losses arising from the use of such information, and has not independently verified the accuracy or completeness of such information.

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The Morningstar Category classifies an investment option based on its investment style as measured by underlying portfolio holdings (portfolio statistics and compositions over the past three years). If the investment option is new and has no portfolio, Morningstar estimates where it will fall before assigning a more permanent category. When necessary, Morningstar may change a category assignment based on current information.

There are inherent risks in investing in variable return investments including loss of principal. Please read the prospectus and carefully consider the investment objectives, risks, charges and expenses before investing.

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