

# The Platinum 401(k) Retirement Savings Plan

## Qualified Default Investment Alternative (QDIA)

### Required Annual Employee Notice

We are dedicated to helping you plan and prepare for retirement. The purpose of this notice is to explain how your 401(k) account is invested if you do not provide investment instructions for the investment of your account.

This Qualified Default Investment Alternative (QDIA) Employee Notice:

- 1) Describes when the QDIA is used;
- 2) Provided details regarding the QDIA selected;
- 3) Outlines your right to direct the investment of your plan dollars to other investments available in the Plan or to elect not to have contributions withheld from your pay, if applicable; and
- 4) Explains how you can obtain additional information regarding those additional investment alternatives.

#### **What will happen to my account?**

As a participant or beneficiary in the Plan, you have the right to decide how to invest your account. If you do not provide investment instructions, your assets will be invested in the Plan's qualified default investment alternative (QDIA).

Effective 12/31/2016, the Plan's QDIA is the American Funds Target Date Retirement Portfolio. Attached are fund sheets describing the investment objectives, risk and return characteristics and fees and expenses of the QDIA.

If John Hancock has been provided with your date of birth, the QDIA that will be used for your account balance will be the American Funds Target Date Retirement Portfolio that most closely corresponds to your birth year in accordance with the following table:

<b><u>Birth Year</u></b>	<b><u>American Funds Portfolio</u></b>
1991 -or later	American Funds 2060 Target Date Portfolio
1986 -1990	American Funds 2055 Target Date Portfolio
1981 -1985	American Funds 2050 Target Date Portfolio
1976 -1980	American Funds 2045 Target Date Portfolio
1971 - 1975	American Funds 2040 Target Date Portfolio
1966 - 1970	American Funds 2035 Target Date Portfolio
1961 - 1965	American Funds 2030 Target Date Portfolio
1956 - 1960	American Funds 2025 Target Date Portfolio
1951 - 1955	American Funds 2020 Target Date Portfolio
1946 - 1950	American Funds 2015 Target Date Portfolio
1945 or earlier	American Funds 2010 Target Date Portfolio

If John Hancock has not been provided with your date of birth, the QDIA that is used for your default investment is the American Funds 2010 Portfolio.

**What if I don't want my 401(k) money to remain invested in the QDIA?**

You do not have to leave your money in the QDIA. If you decide that you want to invest your account differently, you may move all or any part of your account balance to other investment options offered under the Plan.

Your transfer will not be subject to any restrictions, fees or expenses (including redemption fees and similar expenses) during the first 90 days of your first investment in the QDIA or within the period of time it takes to complete your transfer.

After such time period, your transfer from the QDIA will be subject to the same restrictions, fees and expenses as are applicable to other participants who affirmatively elect to invest in the QDIA. Information about these restrictions, fees and expenses are described on the attached fund sheets.

**Who can I contact for more information?**

To obtain information about the other investment options that are available under your Plan, please visit John Hancock's participant website at

<https://www.jhancockpensions.com>

or call 1-800-395-1113. You can also refer to the "What investment options make up your account" section of your John Hancock participant statement.

For information on how to change your contribution amount or the investment of your account (including transferring out of the QDIA), please contact your employer's Human Resources or payroll department.

W. Michael Montgomery,  
Investment Manager, The Platinum 401(k) Retirement Savings Plan  
Fidelis Fiduciary Management, LLC  
14502 N. Dale Mabry Highway, Suite 328  
Tampa, Florida 33618  
813.909.9305

**John Hancock USA**

All financial obligations under the group annuity contract are the sole obligation of John Hancock Life Insurance Company (U.S.A.).

- ▶ John Hancock Financial is a division of Manulife, a leading Canada-based financial services group with principal operations in Asia, Canada and the United States. Operating as Manulife in Canada and Asia, and primarily as John Hancock in the United States, our group of companies offers clients a diverse range of financial protection products and wealth management services through its extensive network of employees, agents and distribution partners. Assets under management and administration by Manulife and its subsidiaries were C\$934 billion (US \$718 billion) as at June 30 2016. Manulife Financial Corporation trades as 'MFC' on the TSX, NYSE and PSE, and under '945' on the SEHK. Manulife can be found on the Internet at [manulife.com](http://manulife.com).
- ▶ The John Hancock unit, through its insurance companies, comprises one of the largest life insurers in the United States. John Hancock offers and administers a broad range of financial products, including life insurance, annuities, investments, 401(k) plans, long-term care insurance, college savings, and other forms of business insurance.
- ▶ Additional information about John Hancock may be found at [johnhancock.com](http://johnhancock.com)

**American Funds Group (American Funds)**

- ▶ American Funds, part of Capital Group<sup>SM</sup>, has helped investors pursue long-term investment success since 1931. Its consistent approach — in combination with The Capital System<sup>SM</sup> — seeks to achieve superior results over time.
- ▶ The Capital System combines individual accountability with teamwork. Each fund is divided into portions that are managed independently by investment professionals with diverse backgrounds, ages and approaches. An extensive global research effort is the backbone of our system. Investment decisions are based on a long-term perspective, which American Funds believes aligns with the interests of investors.

**Allocating assets to only one or a small number of the investment options (other than Lifecycle or Lifestyle options) should not be considered a balanced investment program. In particular, allocating assets to a small number of options concentrated in particular business or market sectors will subject your account to increased risk and volatility. Examples of business or market sectors where this risk may be particularly high include: a) technology-related businesses, including Internet-related businesses, b) small-cap securities and c) foreign securities. John Hancock does not provide advice regarding appropriate investment allocations.**

#### Risks Applicable to All Funds

**Credit and Counterparty Risk.** A fund is subject to the risk that the issuer or guarantor of a fixed-income security or other obligation, the counterparty to a derivatives contract or repurchase agreement, or the borrower of a fund's securities will be unable or unwilling to make timely principal, interest, or settlement payments, or to otherwise honor its obligations.

**Issuer Risk.** An issuer of a security purchased by a fund may perform poorly, and, therefore, the value of its stocks and bonds may decline. Poor performance may be caused by poor management decisions, competitive pressures, breakthroughs in technology, reliance on suppliers, labor problems or shortages, corporate restructurings, fraudulent disclosures, or other factors.

**Liquidity Risk.** A fund is exposed to liquidity risk when trading volume, lack of a market maker, or legal restrictions impair the fund's ability to sell particular securities or close derivative positions at an advantageous price. Funds with investment strategies that involve securities of companies with smaller market capitalizations, foreign securities, derivatives, or securities with substantial market and/or credit risk tend to have the greatest exposure to liquidity risk.

**Manager Risk.** The performance of a fund that is actively managed will reflect in part the ability of the manager to make investment decisions that are suited to achieving the fund's investment objective. Depending on the manager's investment decisions, a fund may not reach its investment objective or it could underperform its peers or lose money.

**Market Risk.** The value of a fund's securities may go down in response to overall stock or bond market movements. Markets tend to move in cycles, with periods of rising prices and periods of falling prices. Stocks tend to go up and down in value more than bonds. If the fund's investments are concentrated in certain sectors, its performance could be worse than the overall market.

**Merger and Replacement Transition Risk.** In the case of Fund mergers and replacements, the affected Funds that are being merged or replaced may implement the redemption of your interest by payment in cash or by distributing assets in kind. In either case, the redemption of your interest by the affected Fund, as well as the investment of the redemption proceeds by the "new" Fund, may result in transaction costs to the Funds because the affected Funds may find it necessary to sell securities and the "new" Funds will find it necessary to invest the redemption proceeds. Also, the redemption and reinvestment processes, including any transition period that may be involved in completing such mergers and replacements, could be subject to market gains or losses, including those from currency exchange rates. The transaction costs and potential market gains or losses could have an impact on the value of your investment in the affected Fund and in the "new" Fund, and such market gains or losses could also have an impact on the value of any existing investment that you or other investors may have in the "new" Fund. Although there can be no assurances that all risks can be eliminated, John Hancock will use its best efforts to manage and minimize such risks and costs.

Where the redemption of your interest is implemented through a distribution of assets in kind, the effective date of the merger or replacement may vary from the target date due to the transition period, commencing either before or after the date that is required to liquidate or transition the assets for investment in the "new" Fund.

**Risk of increase in expenses.** Your actual costs of investing in the fund may be higher than the expenses shown in "Annual fund operating expenses" for a variety of reasons. For example, expense ratios may be higher than those shown if a fee limitation is changed or terminated or if average net assets decrease. Net assets are more likely to decrease and fund expense ratios are more likely to increase when markets are volatile.

#### Risk Disclosures: Additional Risks

**Asset Backed Security Risk.** The fund may invest in asset-backed securities. Asset-backed securities include interests in pools of residential or commercial mortgages, debt securities, commercial or consumer loans, or other receivables. Often, the issuer of asset-backed securities is a special purpose entity and the investor's recourse is limited to the assets comprising the pool. The value of such securities depends on many factors, including, but not limited to, changes in interest rates, the structure of the pool and the priority of the securities within that structure, the credit quality of the underlying assets, the skill of the pool's servicer, the market's perception of the pool's servicer, and credit enhancement features (if any).

**Currency Risk.** Funds that invest directly in foreign currencies and in securities that trade in, or receive revenues in, foreign currencies, are subject to the risk that those currencies will decline in value relative to the currency being hedged.

**Derivatives/Hedging/Strategic Transactions Risk.** A fund's use of certain derivative instruments (such as options, futures and swaps) could produce disproportionate gains or losses in excess of the principal amount invested. Derivatives are generally considered more risky than investing directly in securities and, in a down market, could become harder to value or sell at a fair price. The use of derivatives for hedging and other strategic transactions may increase the volatility of a fund and, if the transaction is not successful, could result in a significant loss to a fund.

**Emerging Markets Risk.** The prices of securities issued by foreign companies and governments located in developing/emerging markets countries may be affected more negatively by inflation, devaluation of their currencies, higher transaction costs, delays in settlement, adverse political developments, the introduction of capital controls, withholding taxes, nationalization of private assets, expropriation, social unrest, war or lack of timely information than those in developed countries.

**Equity Securities Risk.** Stock markets are volatile, and the price of equity securities such as common and preferred stocks (and their equivalents) will fluctuate. The value of equity securities purchased by the fund could decline if the financial condition of the companies in which the fund invests decline or if overall market and economic conditions deteriorate.

**Fixed-Income Securities Risk.** Fixed-income securities or bonds are subject to credit risk and interest rate risk. The credit rating of bonds in the fund could be downgraded or the issuer of a bond could default on its obligations. In general, lower-rated fixed-income securities involve more credit risk. When interest rates rise, bond prices generally fall.

**Foreign Securities Risk.** Foreign securities involve special risks, including potentially unfavorable currency exchange rates, limited government regulation (including less stringent investor protection and disclosure standards) and exposure to possible economic, political and social instability.

To the extent the fund invests in emerging market countries, its foreign securities risk will be higher.

**Fund of Funds Risk.** A fund of funds invests in a number of underlying funds. A fund of fund's ability to achieve its investment objective will depend largely on the ability of its investment manager to select the appropriate mix of underlying funds and on the underlying funds ability to meet their investment objectives. A fund of funds is subject to the same risks as the underlying funds in which it invests. Each fund of funds bears its own expenses and indirectly bears its proportionate share of expenses of the underlying funds in which it invests.

**Interest Rate Risk.** Fixed-income securities are affected by changes in interest rates. When interest rates decline, the market value of fixed-income securities generally will increase. Conversely, when interest rates rise, the market value of fixed-income securities will generally decrease. The longer the remaining maturity of instruments held by the fund, the more sensitive the fund is to interest rate risk.

**Investment Style/Value Stock Risk.** The fund's investments in value stocks carry the risk that the market will not recognize a security's intrinsic value for a long time or that a stock believed to be undervalued may actually be appropriately priced. Under certain market conditions, value stocks have performed better during periods of economic recovery. During times when value investing is out of favor, the Fund may underperform other equity funds that use different investment styles.

**Large Cap Risk.** The fund's strategy of investing in large cap stocks carries the risk that in certain markets large cap stocks will underperform small cap or mid cap stocks.

**Lifecycle/Target Date Portfolio Risk.** A Target Date or Lifecycle Portfolio ("Fund") is a "fund of funds" which invests in a number of underlying funds. The Fund's ability to achieve its investment objective will depend largely on the ability of the subadviser to select the appropriate mix of underlying funds and on the underlying funds' ability to meet their investment objectives. There can be no assurance that either a Fund or the underlying funds will achieve their investment objectives. A Fund is subject to the same risks as the underlying funds in which it invests. Each Fund invests in underlying funds which invest in fixed-income securities (including in some cases high yield securities) and equity securities, including foreign securities and engage in Hedging and Other Strategic Transactions. To the extent the Fund invests in these securities directly or engages in Hedging and Other Strategic Transactions, the Fund will be subject to the same risks. As a Fund's asset mix becomes more conservative, the fund becomes more susceptible to risks associated with fixed-income securities. For a more complete description of these risks, please review the underlying fund's prospectus, which is available upon request.

Each Target Date or Lifecycle Portfolio has an associated target date based on the expected year in which participants in the portfolio plan to retire and no longer make contributions. The investment strategy of these Portfolios are designed to become more conservative over time as the Portfolio approaches and passes the target retirement date. The principal value of an investment in these Portfolios is not guaranteed at any time, including at or after the target date. Primary benchmarks are required to be broad based in nature. Custom benchmarks that proportionally reflect the actual equity and fixed-income holdings of the Fund may provide a better measure of performance comparison and can be found on the fund fact sheet for each respective Fund on the website. Click on the link found below each respective Fund to access each Fund's fund fact sheet.

**Mortgage-Backed and Asset-Backed Securities Risk.** When interest rates fall, homeowners are more likely to prepay their mortgage loans. An

increased rate of prepayments on the fund's mortgage-backed securities will result in an unforeseen loss of interest income to the fund as the fund may be required to reinvest assets at a lower interest rate. Asset-backed securities include interests in pools of debt securities, commercial or consumer loans, or their receivables. The value of these securities depends on many factors, including changes in interest rates, the availability of information concerning the pool and its structure, the credit quality of the underlying assets, the market's perception of the servicer of the pool, and any credit enhancement provided. In addition, asset-backed securities have prepayment risks similar to mortgage-backed securities.

**Small Cap Stock Risk.** The fund's investments in smaller companies are subject to more erratic price movements than investments in larger, more established companies. Small cap companies may be developing or marketing new products or services for which markets are not yet and may never become established. Although small, unseasoned companies may offer greater opportunities for capital growth than larger, more established companies, they also involve greater risks and should be considered speculative.

**Target Allocation.** Target Allocation Risk is the risk that a fund could lose money as a result of less than optimal or poor asset allocation decisions. From time to time, one or more of the underlying funds may experience relatively large redemptions or investments due to reallocations or re-balancings of the assets of a portfolio, which could affect the performance of the underlying funds and, therefore, the performance of the portfolio.

**Target Date.** There is no guarantee that the subadviser will correctly predict the market or economic conditions and, as with other mutual fund investments, you could lose money even if the fund is at or close to its designated retirement year or in its post-retirement stage.

**Turnover Risk.** Active and frequent trading of fund securities results in a high fund turnover rate. Funds with high turnover rates often have higher transaction costs, which are paid by the fund, that may have an adverse impact on fund performance, and may generate short-term capital gains on which taxes may be imposed.

**U.S. Government Securities Risk.** U.S. government securities do not involve the degree of credit risk associated with investments in lower quality fixed-income securities. As a result, the yields available from U.S. government securities are generally lower than the yields available from many other fixed-income securities. These securities, like other fixed-income securities, are subject to interest rate risk.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	9.84%	8.29%	8.07%
3 year	5.89%	5.13%	4.35%
5 year	8.35%	7.78%	6.86%
Since inception	4.74%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio*****	0.36%
Cost Per \$1,000	\$3.60

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

**\*\*The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying fund company. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website [www.jhpensions.com](http://www.jhpensions.com).**

**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2010.<sup>198</sup>

The peer group is Target-Date 2000-2010.<sup>195</sup>

Principal risks include: target date, credit and counterparty, foreign securities, equity securities, manager, mortgage-backed and asset-backed securities, Merger and Replacement Transition Risk, issuer, Emerging Markets Risk, target allocation, fixed-income securities, fund of funds, currency, large cap, market, Risk of increase in expenses, Value stock, derivatives, Lifecycle/Target Date Portfolio Risk, small cap stock, interest rate, liquidity, U.S. government securities, turnover and asset. For more details, see Risk Disclosures section of this booklet



# American Funds 2010 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2010 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REATX

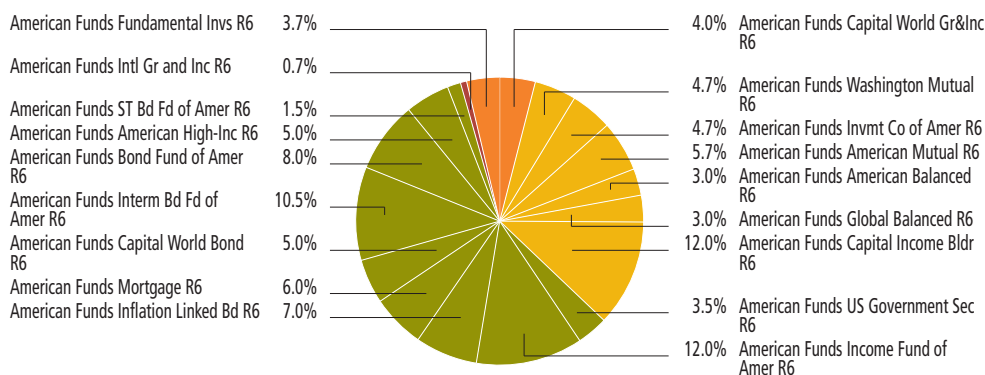
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Weightings as of September 30, 2016  
Weightings are subject to change

Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted)<sup>19</sup>

- ▶ **Beta:** 1.04 (S&P Target Date Through 2010 TR)
- ▶ **R<sup>2</sup>:** 95.70 (S&P Target Date Through 2010 TR)
- ▶ **Turnover (annualized)<sup>19</sup>:** 19.00
- ▶ **Net Assets:** \$2.0 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.41%
  - Net\* 0.41%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.



## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	10.14%	9.19%	8.43%
3 year	6.24%	5.61%	4.52%
5 year	9.28%	8.95%	7.75%
Since inception	4.98%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio****	0.36%
Cost Per \$1,000	\$3.60

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

**\*\*The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying fund company. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website [www.jhpensions.com](http://www.jhpensions.com).**

**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2015.<sup>197</sup>

The peer group is Target-Date 2015.<sup>236</sup>

Principal risks include: Merger and Replacement Transition Risk, market, turnover, target date, equity securities, small cap stock, large cap, fixed-income securities, manager, liquidity, currency, interest rate, U.S. government securities, foreign securities, Value stock, mortgage-backed and asset-backed securities, Lifecycle/Target Date Portfolio Risk, issuer, asset, Emerging Markets Risk, fund of funds, Risk of increase in expenses, credit and counterparty, derivatives and target allocation. For more details, see Risk Disclosures section of this booklet



# American Funds 2015 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2015 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REJTX

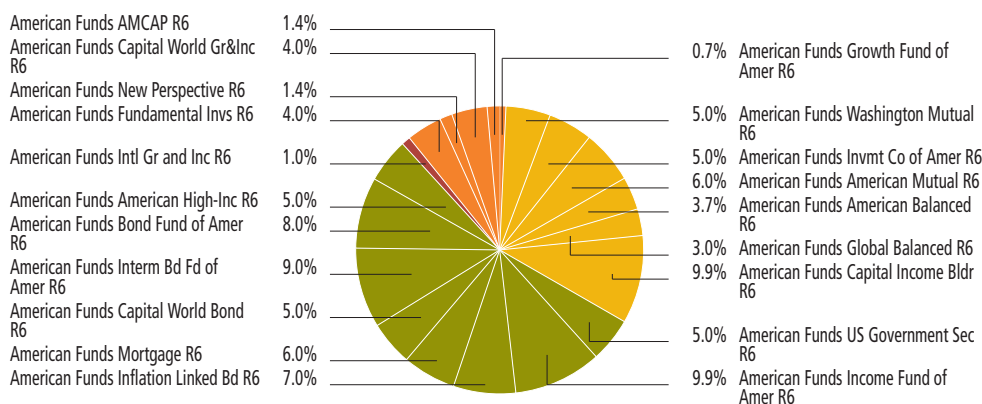
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Weightings as of September 30, 2016  
Weightings are subject to change

Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)<sup>a</sup>

- ▶ **Beta:** 0.92 (S&P Target Date Through 2015 TR)
- ▶ **R<sup>2</sup>:** 96.08 (S&P Target Date Through 2015 TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 15.00
- ▶ **Net Assets:** \$3.3 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.41%
  - Net\* 0.41%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	10.37%	9.98%	8.68%
3 year	6.67%	5.98%	4.58%
5 year	10.38%	9.95%	7.66%
Since inception	5.13%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio****	0.37%
Cost Per \$1,000	\$3.70

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

**\*\*The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying fund company. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website [www.jhpensions.com](http://www.jhpensions.com).**

**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2020.<sup>196</sup>

The peer group is Target-Date 2020.<sup>197</sup>

Principal risks include: Risk of increase in expenses, fixed-income securities, target allocation, Lifecycle/Target Date Portfolio Risk, credit and counterparty, large cap, manager, foreign securities, U.S. government securities, turnover, interest rate, mortgage-backed and asset-backed securities, currency, Emerging Markets Risk, liquidity, derivatives, Merger and Replacement Transition Risk, equity securities, issuer, fund of funds, target date, asset, small cap stock, Value stock and market. For more details, see Risk Disclosures section of this booklet



# American Funds 2020 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2020 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: RECTX

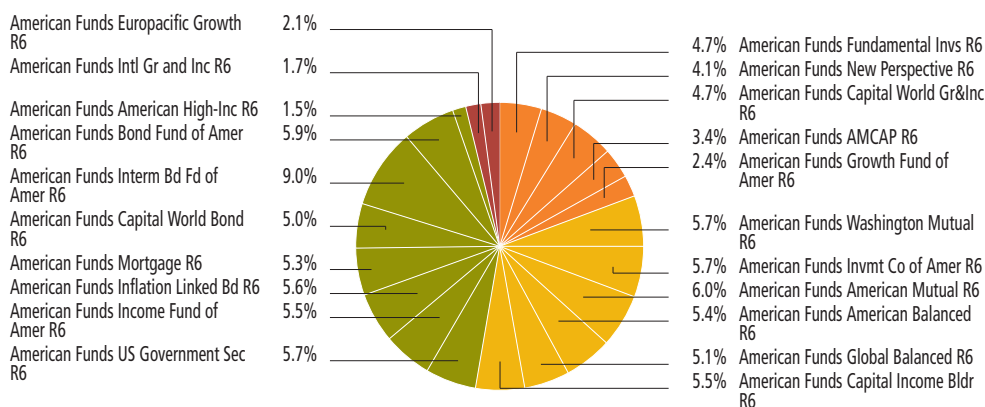
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Weightings as of September 30, 2016  
Weightings are subject to change

Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted)<sup>5</sup>ⓐ

- ▶ **Beta:** 0.90 (S&P Target Date Through 2020 TR)
- ▶ **R<sup>2</sup>:** 97.21 (S&P Target Date Through 2020 TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 8.00
- ▶ **Net Assets:** \$7.4 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.42%
  - Net\* 0.42%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.



## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	11.10%	10.71%	9.47%
3 year	7.10%	6.40%	5.05%
5 year	12.01%	10.86%	9.09%
Since inception	5.62%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio****	0.39%
Cost Per \$1,000	\$3.90

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

**\*\*The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying fund company. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website [www.jhpensions.com](http://www.jhpensions.com).**

**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2025.<sup>195</sup>

The peer group is Target-Date 2025.<sup>198</sup>

Principal risks include: manager, target allocation, turnover, credit and counterparty, target date, liquidity, currency, derivatives, mortgage-backed and asset-backed securities, foreign securities, equity securities, interest rate, Lifecycle/Target Date Portfolio Risk, Issuer, Emerging Markets Risk, Risk of increase in expenses, Value stock, large cap, fund of funds, U.S. government securities, market, asset, small cap stock, Merger and Replacement Transition Risk and fixed-income securities. For more details, see Risk Disclosures section of this booklet



# American Funds 2025 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2025 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REDTX

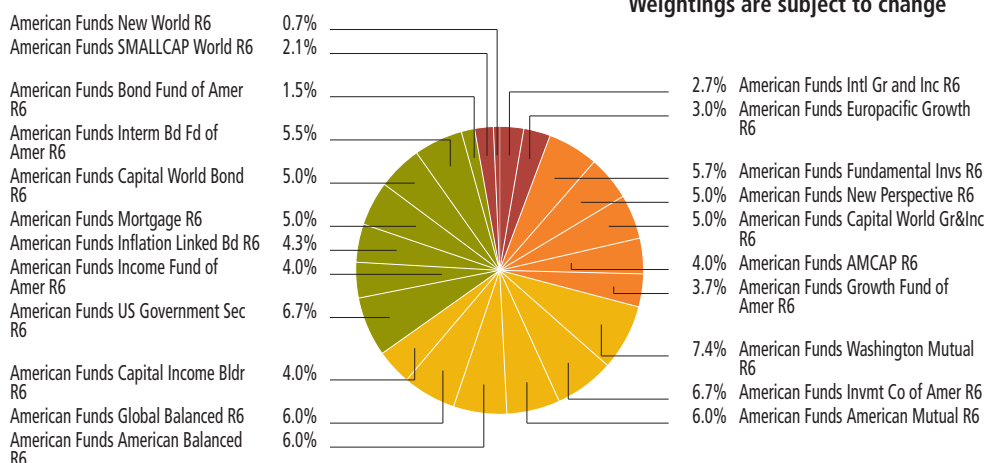
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)<sup>a</sup>

- ▶ **Beta:** 0.94 (S&P Target Date Through 2025 TR)
- ▶ **R<sup>2</sup>:** 97.36 (S&P Target Date Through 2025 TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 9.00
- ▶ **Net Assets:** \$7.7 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.44%
  - Net\* 0.44%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	12.08%	11.30%	10.23%
3 year	7.54%	6.59%	5.22%
5 year	12.77%	11.50%	9.38%
Since inception	5.97%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio*****	0.40%
Cost Per \$1,000	\$4.00

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

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**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2030.<sup>194</sup>

The peer group is Target-Date 2030.<sup>193</sup>

Principal risks include: asset, target allocation, Merger and Replacement Transition Risk, small cap stock, foreign securities, large cap, manager, U.S. government securities, currency, Emerging Markets Risk, Risk of increase in expenses, Value stock, interest rate, target date, derivatives, Lifecycle/Target Date Portfolio Risk, market, liquidity, fund of funds, fixed-income securities, credit and counterparty, equity securities, issuer, mortgage-backed and asset-backed securities and turnover. For more details, see Risk Disclosures section of this booklet



# American Funds 2030 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2030 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REETX

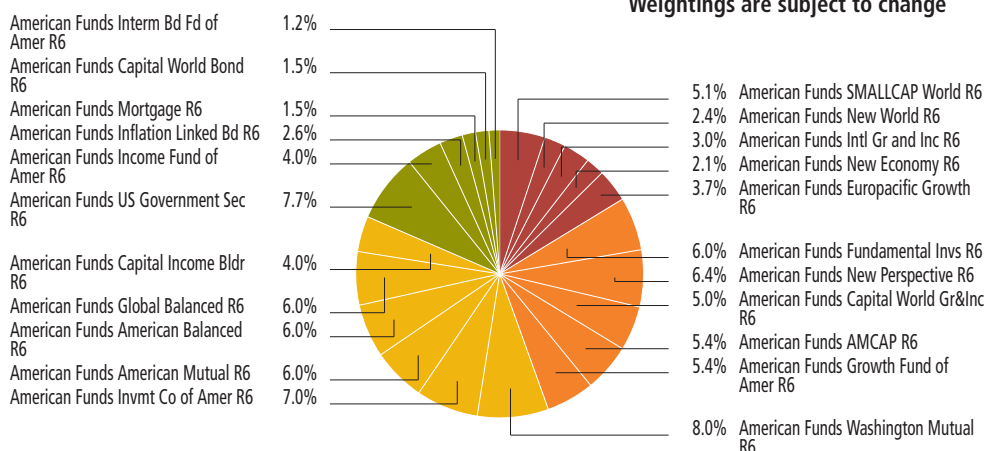
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>195</sup>)

- ▶ **Beta:** 1.00 (S&P Target Date Through 2030 TR)
- ▶ **R<sup>2</sup>:** 98.35 (S&P Target Date Through 2030 TR)
- ▶ **Turnover (annualized):** 6.00
- ▶ **Net Assets:** \$8.1 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.45%
  - Net\* 0.45%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	12.68%	11.74%	10.60%
3 year	7.66%	6.77%	5.48%
5 year	12.93%	11.96%	10.45%
Since inception	6.00%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio*****	0.42%
Cost Per \$1,000	\$4.20

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

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Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2035.<sup>(193)</sup>

The peer group is Target-Date 2035.<sup>(240)</sup>

Principal risks include: manager, target allocation, fund of funds, Risk of increase in expenses, derivatives, issuer, small cap stock, currency, Lifecycle/Target Date Portfolio Risk, Value stock, Merger and Replacement Transition Risk, target date, interest rate, U.S. government securities, liquidity, large cap, credit and counterparty, foreign securities, market, mortgage-backed and asset-backed securities, fixed-income securities, turnover, equity securities and Emerging Markets Risk. For more details, see Risk Disclosures section of this booklet



# American Funds 2035 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2035 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REFTX

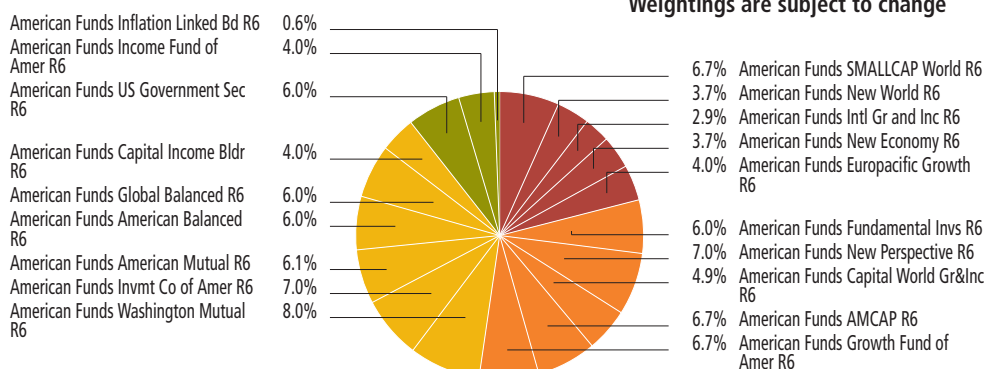
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>§</sup>)

- ▶ **Beta:** 1.01 (S&P Target Date Through 2035 TR)
- ▶ **R<sup>2</sup>:** 98.56 (S&P Target Date Through 2035 TR)
- ▶ **Turnover (annualized)<sup>§</sup>:** 5.00
- ▶ **Net Assets:** \$5.9 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.47%
  - Net\* 0.47%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	12.85%	12.02%	11.06%
3 year	7.72%	6.85%	5.54%
5 year	13.09%	12.23%	10.36%
Since inception	6.05%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio****	0.42%
Cost Per \$1,000	\$4.20

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

**\*\*The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying fund company. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website [www.jhpensions.com](http://www.jhpensions.com).**

**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2040.<sup>192</sup>

The peer group is Target-Date 2040.<sup>141</sup>

Principal risks include: currency, Merger and Replacement Transition Risk, liquidity, asset, Risk of increase in expenses, issuer, market, credit and counterparty, derivatives, manager and large cap. For more details, see Risk Disclosures section of this booklet



# American Funds 2040 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2040 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REGTX

## Fund Highlights

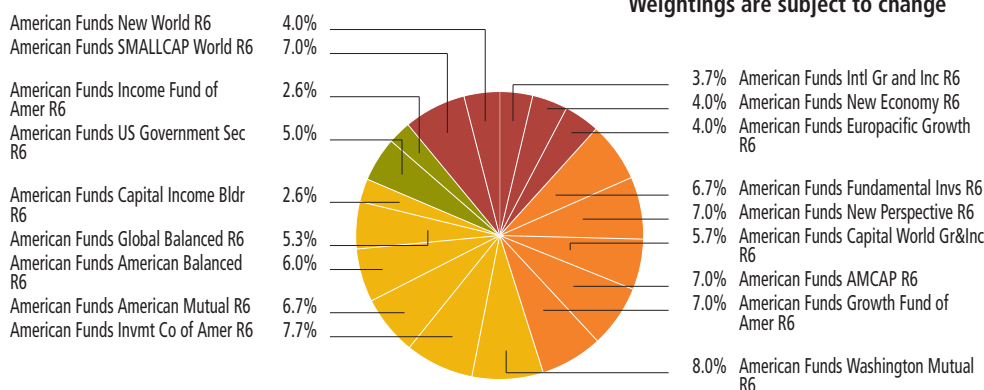
**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*

Weightings as of September 30, 2016  
Weightings are subject to change



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)

- ▶ **Beta:** 0.98 (S&P Target Date Through 2040 TR)
- ▶ **R<sup>2</sup>:** 98.48 (S&P Target Date Through 2040 TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 5.00
- ▶ **Net Assets:** \$5.3 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.47%
  - Net\* 0.47%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.



## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	13.08%	12.22%	11.07%
3 year	7.79%	6.88%	5.68%
5 year	13.14%	12.40%	11.29%
Since inception	6.07%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio*****	0.44%
Cost Per \$1,000	\$4.40

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

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**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

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The Index is S&P Target Date Through 2045.<sup>191</sup>

The peer group is Target-Date 2045.<sup>142</sup>

Principal risks include: issuer, foreign securities, Merger and Replacement Transition Risk, mortgage-backed and asset-backed securities, derivatives, market, turnover, currency, manager, liquidity, fund of funds, U.S. government securities, Emerging Markets Risk, Lifecycle/Target Date Portfolio Risk, target date, fixed-income securities, credit and counterparty, interest rate, target allocation, asset, equity securities, Value stock, Risk of increase in expenses, large cap and small cap stock. For more details, see Risk Disclosures section of this booklet



# American Funds 2045 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2045 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REHTX

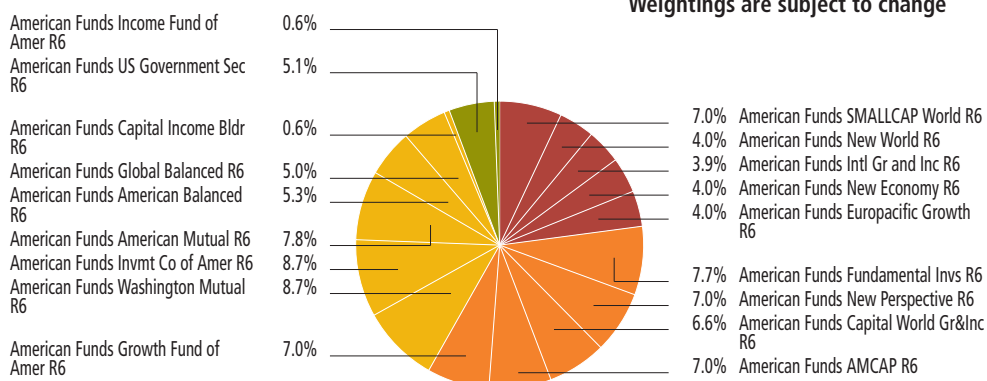
## Fund Highlights

**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)<sup>a</sup>

- ▶ **Beta:** 0.97 (S&P Target Date Through 2045 TR)
- ▶ **R<sup>2</sup>:** 98.43 (S&P Target Date Through 2045 TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 5.00
- ▶ **Net Assets:** \$3.3 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.49%
  - Net\* 0.49%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	13.14%	12.32%	11.44%
3 year	7.79%	6.87%	5.75%
5 year	13.15%	12.44%	10.78%
Since inception	6.07%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio*****	0.44%
Cost Per \$1,000	\$4.40

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2007.

¥See important notes.

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**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

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The Index is S&P Target Date Through 2050.<sup>(190)</sup>

The peer group is Target-Date 2050.<sup>(253)</sup>

Principal risks include: currency, derivatives, Risk of increase in expenses, Value stock, market, large cap, manager, target date, issuer, liquidity, fixed-income securities, Merger and Replacement Transition Risk, equity securities, credit and counterparty, target allocation, asset, interest rate, small cap stock, mortgage-backed and asset-backed securities, fund of funds, Emerging Markets Risk, Lifecycle/Target Date Portfolio Risk, U.S. government securities, turnover and foreign securities. For more details, see Risk Disclosures section of this booklet



# American Funds 2050 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2050 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: REITX

## Fund Highlights

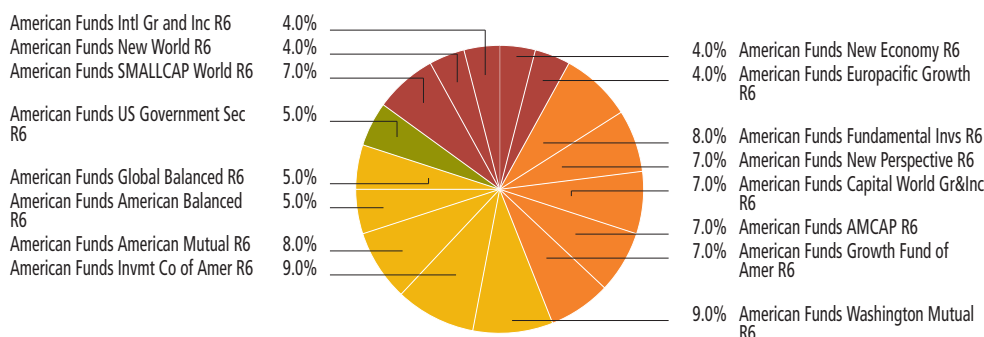
**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*

Weightings as of September 30, 2016  
Weightings are subject to change



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)

- ▶ **Beta:** 0.95 (S&P Target Date Through 2050 TR)
- ▶ **R<sup>2</sup>:** 98.40 (S&P Target Date Through 2050 TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 6.00
- ▶ **Net Assets:** \$2.7 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.49%
  - Net\* 0.49%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.



## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	13.10%	12.32%	11.14%
3 year	7.76%	6.83%	5.97%
5 year	13.12%	12.47%	11.69%
Since inception	10.47%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio*****	0.47%
Cost Per \$1,000	\$4.70

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is February 1, 2010.

¥See important notes.

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**Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.**

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses

The Index is S&P Target Date Through 2055+.<sup>189</sup>

The peer group is Target-Date 2055.<sup>163</sup>

Principal risks include: manager, issuer, derivatives, Risk of increase in expenses, Emerging Markets Risk, Lifecycle/Target Date Portfolio Risk, equity securities, large cap, target date, currency, fixed-income securities, market, liquidity, turnover, target allocation, credit and counterparty, small cap stock, mortgage-backed and asset-backed securities, Value stock, Merger and Replacement Transition Risk, interest rate, fund of funds, asset and U.S. government securities. For more details, see Risk Disclosures section of this booklet



# American Funds 2055 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2055 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: **REKTX**

## Fund Highlights

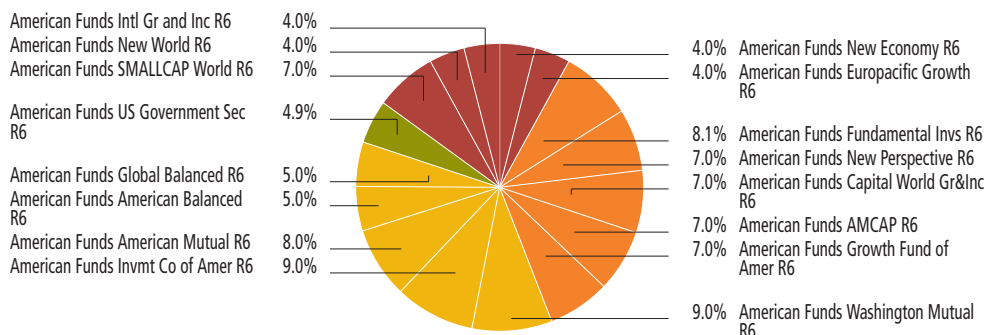
**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*

Weightings as of September 30, 2016  
Weightings are subject to change



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)

- ▶ **Beta:** 0.94 (S&P Target Date Through 2055+ TR)
- ▶ **R<sup>2</sup>:** 98.47 (S&P Target Date Through 2055+ TR)
- ▶ **Turnover (annualized)<sup>5</sup>:** 6.00
- ▶ **Net Assets:** \$1.1 billion
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.52%
  - Net\* 0.52%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

## Sub-Account Details

### Asset Class/Investment Style

Target Date

### Performance\*\*

Returns (as of 9-30-16)

	Fund	Index	Peer Group
1 year	13.15%	12.32%	11.14%
Since inception	3.92%	n/a	n/a

### Expense Ratio (as of 9-30-16)\*\*\*\*

Expense Ratio****	0.47%
Cost Per \$1,000	\$4.70

The inception date for the sub-account\* is March 24, 2016 and for the current underlying Portfolio is March 27, 2015.

\*See important notes.

\*\*The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying fund company. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website [www.jhpensions.com](http://www.jhpensions.com).

Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses.

The Index is **S&P Target Date Through 2055+**,<sup>189</sup>

The peer group is **Target-Date 2055**.<sup>163</sup>

Principal risks include: equity securities, mortgage-backed and asset-backed securities, turnover, currency, Value stock, small cap stock, U.S. government securities, Lifecycle/Target Date Portfolio Risk, derivatives, market, target allocation, fixed-income securities, large cap, issuer, manager, Risk of increase in expenses, liquidity, Emerging Markets Risk, target date, asset, foreign securities, credit and counterparty, fund of funds, Merger and Replacement Transition Risk and interest rate. For more details, see Risk Disclosures section of this booklet.



# American Funds 2060 Target Date Retirement Fund<sup>114</sup>

Investing solely in American Funds 2060 Target Date Retirement Fund (Class R5)

Managed by American Funds Group

Ticker Symbol\*: **REMTX**

## Fund Highlights

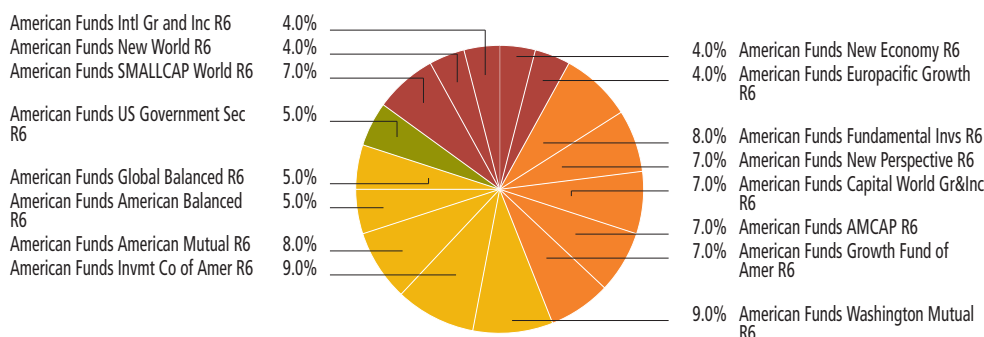
**Investment Objective and Policies** ▶ Depending on the proximity to its target date, the fund will seek to achieve the following objectives to varying degrees: growth, income and conservation of capital. The fund will increasingly emphasize income and conservation of capital by investing a greater portion of its assets in bond, equity-income and balanced funds as it approaches and passes its target date. In this way, the fund seeks to balance total return and stability over time.

### Why Consider this Fund

- ▶ You want the opportunity to remain in the same portfolio after the target date is reached
- ▶ You want one-step diversification with exposure to domestic stocks, international stocks and fixed-income securities
- ▶ You've considered your risk tolerance and want your asset allocation to become more conservative over time, but still provide growth after your retirement date to protect against longevity risk
- ▶ You want an actively managed asset allocation portfolio investing in actively managed underlying funds

### Weightings\*

Weightings as of September 30, 2016  
Weightings are subject to change



Note: The Board of Trustees of the underlying fund ("fund") in which the sub-account invests may, in its discretion, determine to combine the fund with another fund if the target allocation of the fund materially matches the target allocation of the other fund. In such event, the fund's investors (including the sub-account that invests in the fund) will become investors of the other fund. To the extent permitted by applicable regulatory requirements, such a combination would be implemented without seeking the approval of the fund's investors. There is no assurance that the Board of Trustees at any point will determine to implement such a combination.

### Key Statistics (as of 9-30-16 unless noted<sup>5</sup>)

- ▶ **Beta:** 1.40 (Morningstar Mod Tgt Risk TR USD)
- ▶ **R<sup>2</sup>:** 95.81 (Morningstar Mod Tgt Risk TR USD)
- ▶ **Turnover (annualized)<sup>5</sup>:** 20.00
- ▶ **Net Assets:** \$113.5 million
- ▶ **Underlying fund expense ratios:**
  - Gross\* 0.76%
  - Net\* 0.52%

\* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying fund prospectus for additional information.

# ¥ Important notes

Please call 1-800-395-1113 to obtain John Hancock USA group annuity investment option Fund Sheets for its sub-accounts and prospectuses for the sub-accounts' underlying mutual fund, collective trusts or ETFs, which are available upon request. The prospectuses for the sub-accounts' underlying mutual fund, collective trusts or ETFs contain complete details on investment objectives, risks, fees, charges and expenses as well as other information about the underlying mutual fund or collective trusts which should be carefully considered before investing.

Contributions under a group annuity contract issued by John Hancock Life Insurance Company (U.S.A.) (John Hancock USA) are allocated to investment options which: (a) invest solely in shares of an underlying mutual fund, collective trust, or ETF; (b) invest in a combination of these; or (c) are Guaranteed Interest Accounts and which will be held in the John Hancock USA general account. For more information on a particular investment option, please refer to John Hancock USA's Fund sheets, available through the Web site or your John Hancock USA representative.

Allocating assets to only one or a small number of the investment options generally should not be considered a balanced investment strategy. In particular, allocating assets to a small number of options concentrated in particular business or market sectors will subject your account or contract to increased risk and volatility. Examples of business or market sectors where this risk may be particularly high include: a) technology-related businesses, b) small-cap securities and c) foreign securities. John Hancock USA does not provide advice regarding appropriate investment allocations. Contact your financial representative for more details.

\* When contributions are allocated to Funds under your employer's group annuity contract with John Hancock, they will be held in a sub-account (also referred to as "Fund"), which invests in shares of the specified underlying mutual fund, collective trust, ETF or a combination of these. The ticker symbols shown are for the underlying mutual fund, collective trusts or ETFs in which sub-accounts are invested. The ticker symbols do not directly apply to the John Hancock sub-account and therefore any public information accessed using these symbols will not reflect the unit value of the subaccount, nor will such information reflect sub-account, contract-level or participant-level charges under your plan's group annuity contract.

## Information Concerning John Hancock's Short-Term Trading Policy

The group annuity contract is not designed for short-term trading. The effect of short-term trading may disrupt or be potentially disruptive to the management of the fund underlying an investment option and may thereby adversely impact the underlying fund's performance, either by impacting fund management practices or by increasing fund transaction costs. These impacts are absorbed by other fund investors, including retirement plan participants. For the protection of the participants, account changes are subject to the following short-term trading guidelines when exchanging investment options under your company's qualified retirement plan account with John Hancock. Requests may be cancelled if not within our guidelines.

Participants are allowed a **maximum of two exchanges per calendar month**. An exchange is defined as the full rebalance of a participant's account, or single or multiple fund-to-fund transfers that involve multiple investment options (also referred to as "inter-account transfers") on one day, and may be made over the Web, by fax, courier or mail, through our toll-free participant services line, or with a client account representative.

Recognizing that there may be extreme market or other circumstances requiring a participant to make a further change, John Hancock will allow a participant to move **100% of their assets to a Money Market or Stable Value Fund (as available under the contract after the exchange limit has been reached; no subsequent exchanges may be made for 30 days)**. Once the 30-day hold has expired, participants can trade again in accordance with the above guidelines.

The guidelines **do not** apply to regular allocations, loans, or withdrawals

In addition, on an ongoing basis, participant account activity is reviewed for trading activity that, though within the monthly exchange limit, could be detrimental to an underlying fund and/or contrary to its exchange policies, as described in the fund's prospectus. As a result of this review, or if requested by a fund company, additional restrictions may be imposed on a participant's retirement account, including but not limited to:

- Applying redemption fees and/or trade restrictions as requested by the underlying fund manager. Such trade restrictions may be more restrictive than the above guidelines
- Restricting the number of exchanges made during a defined period
- Restricting the dollar amount of exchange
- Restricting the method used to submit exchanges (e.g., requiring exchange requests to be submitted in writing via U.S. mail)
- Restricting exchanges into and out of certain investment options

Participants can read about the short-term trading policy at [www.jhnpensions.com](http://www.jhnpensions.com) or [www.jhnpensions.com](http://www.jhnpensions.com) (for plans domiciled in New York) under the "modify your account - change account" feature. Redemption fees or market value adjustments associated with exchanges from particular investment options are described on applicable fund sheets, which are available online. For more information or to order prospectuses for the underlying investments, call 1-800-395-1113 and speak to a client account representative.

## ± Weightings - Applicable to only the Target Date (Lifecycle) and Lifestyle Portfolios

Each Lifestyle/Target Date (Lifecycle) Portfolio has a target percentage allocation designed to meet the investment objectives of a corresponding investment orientation. Allocation percentages may vary or be adjusted due to market or economic conditions or other reasons as set out in the prospectus. Due to abnormal market conditions or redemption activity the fund may temporarily invest in cash and cash equivalents.

The underlying mutual fund, collective trust, or ETF has the right to restrict trade activity without prior notice if a participant's trading is determined to be in excess of their exchange policy, as stated in the prospectus or offering memorandum.

⊖ The information shown is based on the most recent available information for the underlying mutual fund, collective trust, or ETF (collectively referred to as underlying fund) as of the date of printing and is subject to change. Listed holdings do not represent all of the holdings in the underlying fund.

1A. Your company's qualified retirement plan offers participants the opportunity to contribute to investment options available under a group annuity contract with John Hancock Life Insurance Company (U.S.A.) (John Hancock USA). These investment options may be sub-accounts (pooled funds) investing directly in underlying mutual fund, collective trusts, or ETFs, or they may be Guaranteed Interest Accounts.

The Funds offered on the JH Signature platform are classified into five risk categories. The risk category in which a Fund is placed is determined based on where the 5 year Standard Deviation (defined below) of the underlying fund's Morningstar Category falls on the following scale: if the 5 year Standard Deviation of the underlying fund's Morningstar Category is 15.00 or higher, the Fund is classified as "Aggressive;" between 12.00 and 14.99 as "Growth;" between 7.00 and 11.99 as "Growth & Income;" between 2.00 and 6.99 as "Income;" and 1.99 and below as "Conservative." If a 5 year Standard Deviation is not available for a Morningstar Category, then the 3 year Standard Deviation of the underlying fund's Morningstar Category is used to determine the Fund's risk category. If a 3 year Standard Deviation is not available for a Morningstar Category, then the 5 year Standard Deviation of the underlying fund's Morningstar Category Index is used to determine the Fund's risk category. Standard Deviation

is defined by Morningstar as a statistical measurement of dispersion about an average, which, for a mutual fund, depicts how widely the returns varied over a certain period of time.

2A. Manager or Sub-Adviser refers to the manager of the underlying fund, or to the sub-adviser of the underlying John Hancock Trust, John Hancock Funds II, or John Hancock Funds III fund in which the sub-account invests. "Underlying fund" includes the underlying mutual fund, collective trust, or ETF in which a sub-account invests.

3A. Date sub-account or Guaranteed Interest Account first available under group annuity contract. The Signature Menu was introduced December 8, 2014. If the sub-account inception date is after December 8, 2014, then the Signature Menu introduction date is the same as the sub-account inception date.

4A. The performance data for a sub-account for any period prior to the sub-account Inception Date is hypothetical based on the performance of the underlying investment since inception of the underlying investment. All other performance data is actual (except as otherwise indicated). Returns for any period greater than one year are annualized. Performance data reflects changes in the prices of a sub-account's investments (including the shares of an underlying mutual fund, collective trust, or ETF), reinvestment of dividends and capital gains and deductions for the sub-account charges.

The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the sub-account's underlying fund and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or participant-level charges, fees for guaranteed benefits if elected by participant, or any redemption fees imposed by an underlying mutual fund, collective trust or ETF. These charges, if included, would otherwise reduce the total return for a participant's account. Performance current to the most recent month-end is available at [www.jhpensions.com](http://www.jhpensions.com).

#### \*\*\*\*Expense Ratio (ER),

This material shows expenses for a specific unit class for investment options available under a John Hancock group annuity contract. The Expense Ratio ("ER") shown represents the total annual operating expenses for the investment options made available by John Hancock. It is made up of John Hancock's (i) "Revenue from Sub-account", and (ii) the expenses of the underlying fund (based on expense ratios reported in the most recent prospectuses available as of the date of printing; "FER"). In the case where an underlying fund has either waived a portion of, or capped, its fees, the FER used to determine the ER of the sub-account that invests in the underlying fund is the net expense ratio of the underlying fund. "Underlying fund" or "fund" refers to the underlying mutual fund, collective trust, or exchanged traded fund ("ETF") in which the investment option invests.

The FER is determined by the underlying fund and is subject to fluctuation. Any change in the FER of an underlying fund will affect the Expense Ratio of the investment option which invests in the underlying fund.

The ER applies daily at a rate equivalent to the annual rate shown, and may vary to reflect changes in the expenses of an underlying fund and other factors. For Expense Ratio information current as of the most recent quarter end, please refer to the monthly "Return and Fees" listing available from John Hancock upon request. For more information, please contact your financial representative.

#### \*\* Performance of the sub-account

The performance data for a sub-account for any period prior to the sub-account Inception Date is hypothetical based on the performance of the underlying portfolio.\* The Signature Menu was introduced December 8, 2014. If the sub-account inception date is after December 8, 2014, then the Signature Menu introduction date is the same as the sub-account inception date. Returns for any period greater than one year are annualized. Performance data reflects changes in the prices of a sub-account's investments (including the shares of an underlying fund), reinvestment of dividends and capital gains and deductions for the Expense Ratio (ER). Performance does not reflect any applicable contract-level or

certain participant-level charges, fees for guaranteed benefits if elected by participant under the group annuity contract or redemption fees imposed by the underlying Portfolio. These charges, if included, would otherwise reduce the total return for a participant's account. All performance calculations shown have been prepared solely by John Hancock USA. The underlying fund company has not reviewed the sub-account's performance.

#### 6A. Risk/Return Category:

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#### \*\*\*Morningstar Portfolio Ratings

With respect to the Funds that display a Morningstar rating. All Morningstar data is © 2016 by Morningstar, Inc. All rights reserved. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information. All funds with at least a 3-year history are ranked in a "category". Morningstar categories are assigned to a fund based on the underlying securities a fund has invested in over the past 3 years. The funds with scores in the top 10% of each category receive 5 stars (highest); the next 22.5%, 4 stars (above average); the next 35%, 3 stars (average); the next 22.5%, 2 stars (below average); and the bottom 10%, 1 star (lowest). Past performance is no guarantee of future results. Morningstar ratings are applicable to the underlying portfolio only and reflect historical risk-adjusted performance as of the most recent calendar quarter-end. Although gathered from reliable sources, the information is not represented or warranted by Morningstar to be accurate, correct, complete or timely.

\*The amounts displayed below represent the gross and net expense ratios of the underlying fund in which the sub-account invests. Where the figures are different, the underlying fund has either waived a portion of, or capped its fees, and the result of such fee waiver or cap is reflected in the net expense ratio. The waiver or cap is subject to expiration, in which case the Expense Ratio and performance of the sub account may be impacted. Refer to the prospectus of the underlying fund for details.

When calculating the Expense Ratio of the sub-account, the net expense ratio of the underlying fund is used. Returns shown reflect the Expense Ratio of the sub-account.

114. If John Hancock has been provided with your date of birth and no investment instructions at the time of enrollment, then, on the date of your enrollment, you will be default enrolled into a Target Date (Lifecycle Portfolio) based on your year of birth and a retirement age of 67, and subject to the Target Date then in existence.

#### Index Performance:

With respect to the Funds that display an index performance. Index performance shown is for a broad-based securities market index. Indexes are unmanaged and cannot be invested in directly. Index returns were prepared using Morningstar Direct. The performance of an Index does not include any portfolio or insurance-related charges. If these charges were reflected, performance would be lower. Past performance is not a guarantee of future results.

i189. S&P Target Date Through 2055\*: The S&P Target Date Style Indices are designed to help defined contribution plan sponsors screen, select and monitor appropriate target date funds.

#### Peer Group Performance:

With respect to the Funds that display a Peer Group Performance. Source:

## ¥ Important notes CONTINUED

Morningstar Direct for Mutual Funds, as of the most recent month end.  
Morningstar data is ©2016 by Morningstar, Inc. All rights reserved. Although gathered from reliable sources, the information is not represented or warranted by Morningstar to be accurate, correct, complete or timely. Peer groups are unmanaged and cannot be invested in directly.

p63. Target-Date 2055: Target-date portfolios provide a diversified exposure to stocks, bonds, and cash for those investors who have a specific date in mind (in this case, the years 2051-2055 and beyond) for retirement. These portfolios aim to provide investors with an optimal level of return and risk, based solely on the target date. Management adjusts the allocation among asset classes to more-conservative mixes as the target date approaches, following a preset glide path. A target-date portfolio is part of a series of funds offering multiple retirement dates to investors.

### **Key Statistics**

<sup>§</sup>The Turnover Ratio shown is based on the most recent available financial statements for the underlying mutual fund, collective trust, or ETF as of the date of printing and is subject to change.

### **Wrap Provider Exposure<sup>†</sup>**

#### **S&P**

Credit ratings of AA- or better are considered to be high credit quality; credit ratings of BBB- are good credit quality and the lowest category of investment grade; credit ratings BB<sup>+</sup> and below are lower-rated securities ("junk bonds"); and credit ratings of CCC<sup>+</sup> or below have high default risk. The credit quality breakdown does not give effect to the impact of any credit derivative investments made by the fund.

#### **Moody's**

The rating scale, running from a high of Aaa to a low of C, comprises 21 notches. It is divided into two sections, investment grade and speculative grade. The lowest investment-grade rating is Baa3. The highest speculative-grade rating is Ba1. Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa.