

# FIDELITY MAPPING STRATEGY

## Investment Options Not Changing

The current investment options listed below will remain available in the plan. Any balance you have in these options, as of 4 p.m. Eastern time, January 14, 2019, will remain invested in these options. Future contributions will be directed to the plan's default investment option, unless you make investment elections in the new investment lineup.

INVESTMENT OPTION NAME	TICKER
American Century Mid Cap Value Fund R6 Class	AMDVX
American Funds EuroPacific Growth Fund® Class R-6	RERGX
Fidelity® Contrafund® K6	FLCNX
Fidelity® International Small Cap Fund	FISMX
Fidelity® Low-Priced Stock K6 Fund	FLKSX
Fidelity® Small Cap Growth K6 Fund	FOCSX
Fidelity® Small Cap Value Fund	FCPVX
Goldman Sachs Small Cap Value Fund Class R6	GSSUX
Janus Henderson Triton Fund Class N	JGMNX
MassMutual Select Mid Cap Growth Fund Class I	MEFZX
Metropolitan West Total Return Bond Fund Plan Class	MWTSX
MFS® Mid Cap Value Fund Class R6	MVCKX
MFS® Value Fund Class R6	MEIKX
PIMCO Income Fund Institutional Class	PIMIX
T. Rowe Price Growth Stock Fund I Class	PRUFX
VALIC Fixed-Interest Option	n/a
Vanguard Emerging Markets Stock Index Fund Institutional Shares	VEMIX
Vanguard Equity-Income Fund Admiral Shares	VEIRX
Vanguard Extended Market Index Fund Institutional Plus Shares	VEMPX
Vanguard Federal Money Market Fund Investor Shares	VMFXX
Vanguard FTSE Social Index Fund Institutional Shares	VFTNX
Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Vanguard Institutional Target Retirement 2015 Fund Institutional Shares	VITVX
Vanguard Institutional Target Retirement 2020 Fund Institutional Shares	VITWX
Vanguard Institutional Target Retirement 2025 Fund Institutional Shares	VRIVX
Vanguard Institutional Target Retirement 2030 Fund Institutional Shares	VTTWX
Vanguard Institutional Target Retirement 2035 Fund Institutional Shares	VITFX
Vanguard Institutional Target Retirement 2040 Fund Institutional Shares	VIRSX

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INVESTMENT OPTION NAME	TICKER
Vanguard Institutional Target Retirement 2045 Fund Institutional Shares	VITLX
Vanguard Institutional Target Retirement 2050 Fund Institutional Shares	VTRLX
Vanguard Institutional Target Retirement 2055 Fund Institutional Shares	VIVLX
Vanguard Institutional Target Retirement 2060 Fund Institutional Shares	VILVX
Vanguard Institutional Target Retirement 2065 Fund Institutional Shares	VSXFX
Vanguard Institutional Target Retirement Income Fund Institutional Shares	VITRX
Vanguard International Growth Fund Admiral Shares	VWILX
Vanguard PRIMECAP Fund Admiral Shares	VPMAX
Vanguard Real Estate Index Fund Institutional Shares	VGSNX
Vanguard Total Bond Market Index Fund Institutional Shares	VBTIX
Vanguard Total International Stock Index Fund Institutional Shares	VTSNX

## Investment Options Being Removed

When the market closes (generally 4 p.m. Eastern time) on January 14, 2019, the following investment options currently offered through the plan will no longer be available. As a result, all existing balances in the closing options will be liquidated and transferred to the new investment options. See the following chart for details. Future contributions will be directed to the plan's default investment option, unless you make investment elections in the new investment lineup.

Balances in the closing investment options may transfer in-kind to a Fidelity BrokerageLink® account provided you establish a brokerage account prior to December 31, 2018. To view funds eligible to transfer in-kind, review the Optional One-Time Transfer In-Kind to BrokerageLink instructions at [fidelity.com/duke](http://fidelity.com/duke).

FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
DWS Core Equity Fund - Class R6	SUWZX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
DWS CROCI Equity Dividend Fund - Class R6	KDHTX	▶	MFS® Value Fund Class R6	MEIKX
DWS CROCI International Fund - Class R6	SUIRX	▶	American Funds EuroPacific Growth Fund® Class R-6	REGRX
DWS Emerging Markets Equity Fund - Class Inst	SEKIX	▶	Vanguard Emerging Markets Stock Index Fund Institutional Shares	VEMIX
DWS Emerging Markets Fixed Income Fund - Class Inst	SZEIX	▶	PIMCO Income Fund Institutional Class	PIMIX
DWS Global Income Builder Fund - Class R6	KTRZX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
DWS Global Small Cap Fund - Class R6	KGDZX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
DWS Large Cap Focus Growth Fund - Class Inst	SGGIX	▶	Fidelity® Contrafund® K6	FLCNX
DWS GNMA Fund - Class Inst	GIGGX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
DWS High Conviction Global Bond Fund - Class S	SSTGX	▶	PIMCO Income Fund Institutional Class	PIMIX
DWS International Growth Fund - Class Inst	SGQIX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
DWS Latin America Equity Fund - Class S	SLAFX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
DWS Mid Cap Value Fund - Class Institutional	MIDIX	▶	MFS® Mid Cap Value Fund Class R6	MVCKX
DWS S&P 500 Index Fund - Class R6	SXPRX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
DWS Total Return Bond Fund - Class Inst	SZIIX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity Asset Manager® 20%	FASIX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity Asset Manager® 30%	FTANX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity Asset Manager® 40%	FFANX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity Asset Manager® 50%	FASMX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity Asset Manager® 60%	FSANX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity Asset Manager® 70%	FASGX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity Asset Manager® 85%	FAMRX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Balanced Fund - Class K	FBAKX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Blue Chip Growth K6 Fund	FBCGX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Blue Chip Value Fund	FBCVX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Canada Fund	FICDX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Capital & Income Fund	FAGIX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® Capital Appreciation Fund - Class K	FCAKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® China Region Fund	FHKCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Conservative Income Bond Fund - Institutional Class	FCNVX	▶	Vanguard Federal Money Market Fund Investor Shares	VMFXX
Fidelity® Convertible Securities Fund	FCVSX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Corporate Bond Fund	FCBFX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity® Disciplined Equity Fund - Class K	FDEKX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Fidelity® Diversified International K6 Fund	FKIDX	▶	Vanguard International Growth Fund Admiral Shares	VWILX
Fidelity® Dividend Growth Fund - Class K	FDGKX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Fidelity® Emerging Asia Fund	FSEAX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Emerging Europe, Middle East, Africa (EMEA) Fund	FEMEX	▶	Vanguard Emerging Markets Stock Index Fund Institutional Shares	VEMIX
Fidelity® Emerging Markets Fund - Class K	FKEMX	▶	Vanguard Emerging Markets Stock Index Fund Institutional Shares	VEMIX
Fidelity® Equity Dividend Income Fund - Class K	FETKX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Equity-Income Fund - Class K	FEIKX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Europe Fund	FIEUX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Export and Multinational Fund - Class K	FEXKX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Fidelity® Floating Rate High Income Fund	FFRHX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® Focused High Income Fund	FHIFX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® Focused Stock Fund	FTQGX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Four-in-One Index Fund	FFNOX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Fund - Class K	FFDKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Global Commodity Stock Fund	FFGCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Global Credit Fund	FGBFX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® Global Equity Income Fund	FGILX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Global High Income Fund	FGHNX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® GNMA Fund	FGMNX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity® Government Income Fund	FGOVX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Growth & Income Portfolio - Class K	FGIKX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Fidelity® Growth Company Fund - Class K	FGCKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Growth Discovery Fund - Class K	FGDKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Growth Strategies K6 Fund	FSKGX	▶	MassMutual Select Mid Cap Growth Fund Class I	MEFZX
Fidelity® High Income Fund	SPHIX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® Independence Fund - Class K	FDKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Intermediate Bond Fund	FTHR	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity® Intermediate Government Income Fund	FSTGX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity® International Capital Appreciation K6 Fund	FAPCX	▶	Vanguard International Growth Fund Admiral Shares	VWILX
Fidelity® International Discovery Fund - Class K	FIDKX	▶	Vanguard International Growth Fund Admiral Shares	VWILX
Fidelity® International Enhanced Index Fund	FIENX	▶	American Funds EuroPacific Growth Fund® Class R-6	REGX
Fidelity® International Growth Fund	FIGFX	▶	Vanguard International Growth Fund Admiral Shares	VWILX
Fidelity® International Real Estate Fund	FIREX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® International Small Cap Opportunities Fund	FSCOX	▶	Fidelity® International Small Cap Fund	FISMX
Fidelity® International Value Fund	FIVLX	▶	American Funds EuroPacific Growth Fund® Class R-6	REGX
Fidelity® Investment Grade Bond Fund	FBNDX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity® Japan Fund	FJPNX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Japan Smaller Companies Fund	FJSCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Large Cap Core Enhanced Index Fund	FLCEX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Large Cap Growth Enhanced Index Fund	FLGEX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Large Cap Stock K6 Fund	FCLKX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Fidelity® Large Cap Value Enhanced Index Fund	FLVEX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Latin America Fund	FLATX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Leveraged Company Stock Fund - Class K	FLCKX	▶	MassMutual Select Mid Cap Growth Fund Class I	MEFZX
Fidelity® Limited Term Government Fund	FFXSX	▶	VALIC Fixed-Interest Option	N/A
Fidelity® Magellan® Fund - Class K	FMGKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Mega Cap Stock Fund	FGRTX	▶	Vanguard Institutional Index Fund Institutional Plus Shares	VIIIX
Fidelity® Mid Cap Enhanced Index Fund	FMEIX	▶	Vanguard Extended Market Index Fund Institutional Plus Shares	VEMPX
Fidelity® Mid Cap Value Fund	FSMVX	▶	MFS® Mid Cap Value Fund Class R6	MVCKX
Fidelity® Mid Cap Value K6 Fund	FCMVX	▶	MassMutual Select Mid Cap Growth Fund Class I	MEFZX
Fidelity® Mortgage Securities Fund	FMSFX	▶	Metropolitan West Total Return Bond Fund Plan Class	MWTSX
Fidelity® Nasdaq® Composite Index Fund	FNCMX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® New Markets Income Fund	FNMIX	▶	PIMCO Income Fund Institutional Class	PIMIX
Fidelity® New Millennium Fund	FMILX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Nordic Fund	FNORX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® OTC Portfolio - Class K	FOCKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Overseas Fund - Class K	FOSKX	▶	Vanguard International Growth Fund Admiral Shares	VWILX
Fidelity® Pacific Basin Fund	FPBFX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Puritan® Fund - Class K	FPUKX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Real Estate Income Fund	FRIFX	▶	Vanguard Real Estate Index Fund Institutional Shares	VGSNX
Fidelity® Real Estate Investment Portfolio	FRESX	▶	Vanguard Real Estate Index Fund Institutional Shares	VGSNX
Fidelity® Select Air Transportation Portfolio	FSAIX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Automotive Portfolio	FSAVX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Banking Portfolio	FSRBX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Biotechnology Portfolio	FBIOX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Brokerage and Investment Management Portfolio	FSLBX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Chemicals Portfolio	FSCHX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Communications Equipment Portfolio	FSDCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Computers Portfolio	FDCPX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Construction and Housing Portfolio	FSHOX	▶	MassMutual Select Mid Cap Growth Fund Class I	MEFZX
Fidelity® Select Consumer Discretionary Portfolio	FSCPX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies



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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Select Consumer Finance Portfolio	FSVLX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Consumer Staples Portfolio	FDFAV	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Defense and Aerospace Portfolio	FSDAX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Energy Portfolio	FSENX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Energy Service Portfolio	FSESX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Environment and Alternative Energy Portfolio	FSLEX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Financial Services Portfolio	FIDSX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Gold Portfolio	FSAGX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Health Care Portfolio	FSPHX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Health Care Services Portfolio	FSHCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Industrials Portfolio	FCYIX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Select Insurance Portfolio	FSPCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select IT Services Portfolio	FBSOX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Leisure Portfolio	FDLSX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Materials Portfolio	FSDPX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Medical Technology and Devices Portfolio	FSMEX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Multimedia Portfolio	FBMPX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Natural Gas Portfolio	FSNGX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Natural Resources Portfolio	FNARX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Pharmaceuticals Portfolio	FPHAX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Retailing Portfolio	FSRPX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Semiconductors Portfolio	FSELX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Select Software and IT Services Portfolio	FSCSX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Technology Portfolio	FSPTX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Telecommunications Portfolio	FSTCX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Transportation Portfolio	FSRFX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Utilities Portfolio	FSUTX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Select Wireless Portfolio	FWRLX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Short-Term Bond Fund	FSHBX	▶	VALIC Fixed-Interest Option	N/A
Fidelity® Small Cap Discovery Fund	FSCRX	▶	Vanguard Extended Market Index Fund Institutional Plus Shares	VEMPX
Fidelity® Small Cap Enhanced Index Fund	FCPEX	▶	Vanguard Extended Market Index Fund Institutional Plus Shares	VEMPX
Fidelity® Small Cap Stock K6 Fund	FKICX	▶	Vanguard Extended Market Index Fund Institutional Plus Shares	VEMPX
Fidelity® Stock Selector All Cap Fund - Class K	FSSKX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Stock Selector Large Cap Value Fund	FSLVX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Stock Selector Mid Cap Fund	FSSMX	▶	MassMutual Select Mid Cap Growth Fund Class I	MEFZX
Fidelity® Stock Selector Small Cap Fund	FDSCX	▶	Vanguard Extended Market Index Fund Institutional Plus Shares	VEMPX
Fidelity® Strategic Dividend & Income® Fund	FSDIX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies

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FIDELITY BALANCE AS OF 4 P.M. ET JANUARY 14, 2019	TICKER SYMBOL		WILL TRANSFER TO NEW INVESTMENT OPTION AT FIDELITY ON JANUARY 15, 2019	TICKER SYMBOL
Fidelity® Strategic Real Return Fund	FSRRX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Telecom and Utilities Fund	FIUIX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Fidelity® Total Bond K6 Fund	FTKFX	▶	Metropolitan West Total Return Bond Plan Fund	MWTSX
Fidelity® Total International Equity Fund	FTIEX	▶	Vanguard International Growth Fund Admiral Shares	VWILX
Fidelity® Trend Fund	FTRNX	▶	Fidelity® Contrafund® K6	FLCNX
Fidelity® Value Discovery K6 Fund	FDVKX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Value Fund - Class K	FVLKX	▶	MFS® Mid Cap Value Fund Class R6	MVCKX
Fidelity® Value Strategies Fund - Class K	FVSKX	▶	MFS® Value Fund Class R6	MEIKX
Fidelity® Worldwide Fund	FWWFX	▶	The Vanguard Institutional Target Retirement Fund with the target retirement date closest to the year you turn age 65	Varies
Oppenheimer Developing Markets Fund Class I	ODVIX	▶	Vanguard Emerging Markets Stock Index Fund Institutional Shares	VEMIX
Virtus Ceredex Mid-Cap Value Equity Fund Class R6	SMVZX	▶	MFS® Mid Cap Value Fund Class R6	MVCKX

FIDELITY BALANCE AS OF 4 P.M. ET ON OR ABOUT DECEMBER 12, 2018	TICKER SYMBOL		WILL TRANSFER TO THE NEW INVESTMENT OPTION AT FIDELITY ON OR ABOUT DECEMBER 12, 2018	TICKER SYMBOL
Strategic Advisers® Core Income Multi-Manager Fund*	FWHBX	▶	Metropolitan West Total Return Bond Plan Fund	MWTSX
Strategic Advisers® Emerging Markets Fund of Funds*	FLILX	▶	Vanguard Emerging Markets Stock Index Fund Institutional Shares	VEMIX
Strategic Advisers® Income Opportunities Fund of Funds*	FSADX	▶	PIMCO Income Fund Institutional Class	PIMIX
Strategic Advisers® International Multi-Manager Fund*	FMJDX	▶	American Funds EuroPacific Growth Fund® Class R-6	RERGX
Strategic Advisers® Small-Mid Cap Multi-Manager Fund*	FNAPX	▶	Janus Henderson Triton Fund Class N	JGMNX

\*Fund will be frozen to new contributions on or about December 4, 2018, and will be liquidated and transferred to the new investment option on or about December 12, 2018.

# DEFAULT INVESTMENT OPTION

The Plan's Investment Committee has determined that certain current account balances transferring to the Duke Faculty and Staff Retirement Plan default investment option and future contributions to your account that you have not directed to a specific investment option in the new investment lineup at Fidelity will be invested in a Vanguard Institutional Target Retirement Fund.

Your applicable current balance and future contributions will be invested in the Vanguard Institutional Target Retirement Fund that has a target retirement date closest to the year you might retire and assumes a retirement age of 65. The date of birth range was selected by the Plan's Investment Committee. Simply find your date of birth range in the chart below to determine which fund your balance or contributions will be directed.

Target date funds are an asset mix of stocks, bonds, and other investments that automatically become more conservative as the fund approaches its target retirement date and beyond. Principal invested is not guaranteed.

DATE OF BIRTH	FUND NAME
Before 1/1/1948	Vanguard Institutional Target Retirement Income Fund Institutional Shares
1/1/1948–12/31/1952	Vanguard Institutional Target Retirement 2015 Fund Institutional Shares
1/1/1953–12/31/1957	Vanguard Institutional Target Retirement 2020 Fund Institutional Shares
1/1/1958–12/31/1962	Vanguard Institutional Target Retirement 2025 Fund Institutional Shares
1/1/1963–12/31/1967	Vanguard Institutional Target Retirement 2030 Fund Institutional Shares
1/1/1968–12/31/1972	Vanguard Institutional Target Retirement 2035 Fund Institutional Shares
1/1/1973–12/31/1977	Vanguard Institutional Target Retirement 2040 Fund Institutional Shares
1/1/1978–12/31/1982	Vanguard Institutional Target Retirement 2045 Fund Institutional Shares
1/1/1983–12/31/1987	Vanguard Institutional Target Retirement 2050 Fund Institutional Shares
1/1/1988–12/31/1992	Vanguard Institutional Target Retirement 2055 Fund Institutional Shares
1/1/1993–12/31/1997	Vanguard Institutional Target Retirement 2060 Fund Institutional Shares
1/1/1998 and after	Vanguard Institutional Target Retirement 2065 Fund Institutional Shares

***Before investing in any mutual fund, consider the investment objectives, risks, charges, and expenses. Contact Fidelity for a prospectus or, if available, a summary prospectus containing this information. Read it carefully.***