

Howard County Public School System 457 Deferred Compensation Plan

Howard County Public School, MD

Investment Performance Report

Investment returns as of December 31, 2018

Your employer's deferred compensation plan offers a broad portfolio of investment options. As a participant, you decide how to spread your deferrals and invested assets among these options.

Mutual Fund Payments

Nationwide Retirement Solutions, Inc. and its affiliates (Nationwide) offer a variety of investment options to public sector retirement plans through variable annuity contracts, trust or custodial accounts. Nationwide may receive payments from mutual funds or their affiliates in connection with those investment options. Additionally, Nationwide may enter into arrangements to allocate all or a portion of these payments to plan sponsors for plan expenses. For more detail about the payments Nationwide receives, please visit howard457.com.

It's natural to want to know how your investments are doing over time. This performance report shows how the options in the Plan have performed over a series of time periods.

Fees and Expenses:

ADMINISTRATOR'S FEE: If applicable, an annualized \$0 administrator's fee may be charged and would reduce the performance shown.

GROSS EXPENSE RATIO: Gross expense ratios represent the fund's total operating expenses expressed as a percentage of the assets held in the fund. Your expenses may be less than the gross expense ratio. For more information about gross expense ratios, read the fund's prospectus.

SHORT-TERM TRADE FEES: Some funds may impose a short-term trade fee. Some funds may be subject to a trade-restriction policy. This information is explained in the underlying prospectus.

INVESTMENT OPTION ("FUND") FEES: The returns are reported after the fees that the fund manager charges have been applied, but do not reflect plan administration fees.

PLAN ASSET FEE: The rates of return shown in this performance report do not reflect a maximum deduction of a **0.00%** annual plan asset fee, which, if reflected, would reduce the performance shown.

Nationwide Retirement Solutions and Nationwide Life Insurance Company (collectively "Nationwide") have endorsement relationships with the National Association of Counties and the International Association of Fire Fighters-Financial Corporation. More information about the endorsement relationships may be found online at howard457.com.

Howard 457 Fixed Account

For the quarter ending March 31, 2019, the annualized yield for the Howard 457 Fixed Account is 2.68%.

Interest rates are declared quarterly and are subject to change.

Guarantees are subject to the claims-paying ability of the company.

Don't count on numbers alone

If you see something you'd like to know more about, ask your Nationwide representative.

Questions?



877-677-3678



www.howard457.com



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What to look for in this table

The following are the percentage changes in Net Assets (with capital gains and income dividends reinvested) for the funds under the Plan, for the respective periods ending December 31, 2018. Investing involves market risk, including the possible loss of principal. Included with each asset class is information that reviews specific risks for that type of investment.

The results shown represent past performance and do not represent expected future performance or experience. Past performance does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the data quoted. Performance data current to the most recent month-end may be obtained by visiting: www.howard457.com.

Please consider the fund's investment objectives, risks, and charges and expenses carefully before investing. Both the underlying fund prospectuses and informational brochure contain this and other important information, and are available by calling 877-677-3678. Read carefully before investing.

Asset Class: Specialty

Funds that invest in a concentrated sector or focus on a relatively small number of securities may be subject to greater volatility than a more diversified investment.

Funds that focus on real estate investing are sensitive to economic and business cycles, changing demographic patterns and government actions.

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
116	Vanguard Real Estate Index Fund - Admiral Shares	Real Estate	-5.95%	-5.95%	7.39%	12.04%	9.67%	11/12/2001	0.12%
118	PIMCO International Bond Fund (U.S. Dollar-Hedged) - Institutional Class	World Bond	2.63%	2.63%	4.88%	7.04%	7.11%	12/02/1992	0.56%

Asset Class: International

International/emerging markets funds involve risks not associated with investing solely in the U.S., such as currency fluctuation, political risk, differences in accounting and the limited availability of information.

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
111	New World Fund SM - Class R6	Diversified Emerging Mkts	-11.97%	-11.97%	2.21%	8.66%	7.59%	06/17/1999	0.64%
128	Ivy International Core Equity Fund - Class N	Foreign Large Blend	-17.53%	-17.53%	0.88%	7.89%	3.17%	04/02/2007	0.79%
883	Vanguard Total International Stock Index Fund - Institutional Shares	Foreign Large Blend	-14.39%	-14.39%	0.97%	N/A	3.38%	11/29/2010	0.09%

Asset Class: Small-cap Stocks

Funds investing in stocks of small or emerging companies may have less liquidity than those investing in larger, established companies and may be subject to greater price volatility and risk than the overall stock market.

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
674	Vanguard Small-Cap Index Fund - Admiral Shares	Small Blend	-9.31%	-9.31%	5.25%	13.57%	8.28%	11/13/2000	0.05%
153	T. Rowe Price Institutional Small-Cap Stock Fund	Small Growth	-3.07%	-3.07%	6.76%	15.60%	9.45%	03/31/2000	0.66%
195	Invesco Small Cap Value Fund - Class R6	Small Value	-24.97%	-24.97%	0.57%	10.86%	8.92%	06/21/1999	0.69%

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Asset Class: Mid-cap Stocks

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
840	Vanguard® Mid-Cap Index Fund - Institutional Shares	Mid-Cap Blend	-9.24%	-9.24%	6.22%	13.89%	9.11%	05/21/1998	0.04%
163	Janus Henderson Enterprise Fund - Class I	Mid-Cap Growth	-0.90%	-0.90%	10.25%	16.11%	10.71%	09/01/1992	0.77%
148	Wells Fargo Special Mid Cap Value Fund - Class R6	Mid-Cap Value	-13.02%	-13.02%	5.15%	12.95%	11.08%	12/31/1998	0.75%

Asset Class: Large-cap Stocks

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
113	JPMorgan US Equity Fund - Class R6	Large Blend	-5.86%	-5.86%	7.89%	13.40%	10.32%	06/27/1985	0.50%
565	Vanguard® Institutional Index Fund - Institutional Shares	Large Blend	-4.42%	-4.42%	8.46%	13.11%	9.39%	07/31/1990	0.04%
164	MainStay Large Cap Growth Fund - Class R6	Large Growth	3.82%	3.82%	9.63%	14.75%	8.66%	07/03/1995	0.63%
116	JP Morgan Equity Income R6	Large Value	-4.24%	-4.24%	7.76%	12.61%	8.94%	07/02/1987	0.50%

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Asset Class: Bonds

Bond funds have the same interest rate, inflation and credit risks that are associated with the underlying bonds owned by the fund.

Funds that invest in high-yield securities are subject to greater credit risk and price fluctuations than funds that invest in higher-quality securities.

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
153	Vanguard® High-Yield Corporate Fund - Admiral(TM) Shares	High Yield Bond	-2.87%	-2.87%	3.66%	9.22%	6.26%	11/12/2001	0.13%
115	Vanguard® Inflation-Protected Securities Fund - Admiral(TM) Shares	Inflation-Protected Bond	-1.39%	-1.39%	1.65%	3.52%	3.31%	06/10/2005	0.10%
654	PIMCO Total Return Fund - Institutional Class	Intermediate-Term Bond	-0.26%	-0.26%	2.56%	4.71%	7.08%	05/11/1987	0.55%

Asset Class: Asset Allocation

These funds are designed to provide diversification and asset allocation across several types of investments and asset classes. Because they primarily invest in underlying funds, their expense ratio includes a proportionate share of the applicable fees and expenses of the underlying funds. Target Maturity Funds are designed for people who plan to withdrawal funds during or near a specific year. These funds use a strategy that reallocates equity exposure to a higher percentage of fixed investments over time. Like other funds, target date funds are subject to market risk and loss. Loss of principal can occur at any time, including before, at or after the target date. There is no guarantee that target date funds will provide enough income for retirement.

VRU	Investment Options	Morningstar Category	YTD	1 Year	5 Year	10 Year	Since Inception	Inception Date	Expense Ratio
110	American Funds 2010 Target Date Retirement Fund - Class R6	Target-Date 2000-2010	-2.49%	-2.49%	4.14%	7.96%	4.46%	02/01/2007	0.34%
115	American Funds 2015 Target Date Retirement Fund - Class R6	Target-Date 2015	-2.72%	-2.72%	4.28%	8.42%	4.70%	02/01/2007	0.33%
110	American Funds 2020 Target Date Retirement Fund - Class R6	Target-Date 2020	-2.69%	-2.69%	4.69%	9.21%	4.95%	02/01/2007	0.35%
115	American Funds 2025 Target Date Retirement Fund - Class R6	Target-Date 2025	-3.47%	-3.47%	5.00%	10.21%	5.47%	02/01/2007	0.37%
111	American Funds 2030 Target Date Retirement Fund - Class R6	Target-Date 2030	-4.16%	-4.16%	5.63%	10.87%	5.95%	02/01/2007	0.39%
140	American Funds 2035 Target Date Retirement Fund - Class R6	Target-Date 2035	-5.14%	-5.14%	5.95%	11.07%	6.08%	02/01/2007	0.40%
110	American Funds 2040 Target Date Retirement Fund - Class R6	Target-Date 2040	-5.52%	-5.52%	6.05%	11.20%	6.17%	02/01/2007	0.41%
140	American Funds 2045 Target Date Retirement Fund - Class R6	Target-Date 2045	-5.58%	-5.58%	6.17%	11.24%	6.22%	02/01/2007	0.41%
110	American Funds 2050 Target Date Retirement Fund - Class R6	Target-Date 2050	-5.61%	-5.61%	6.19%	11.27%	6.23%	02/01/2007	0.42%
141	American Funds 2055 Target Date Retirement Fund - Class R6	Target-Date 2055	-5.65%	-5.65%	6.17%	N/A	9.57%	02/01/2010	0.42%
141	American Funds 2060 Target Date Retirement Fund - Class R6	Target-Date 2060+	-5.64%	-5.64%	N/A	N/A	5.72%	03/27/2015	0.49%

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