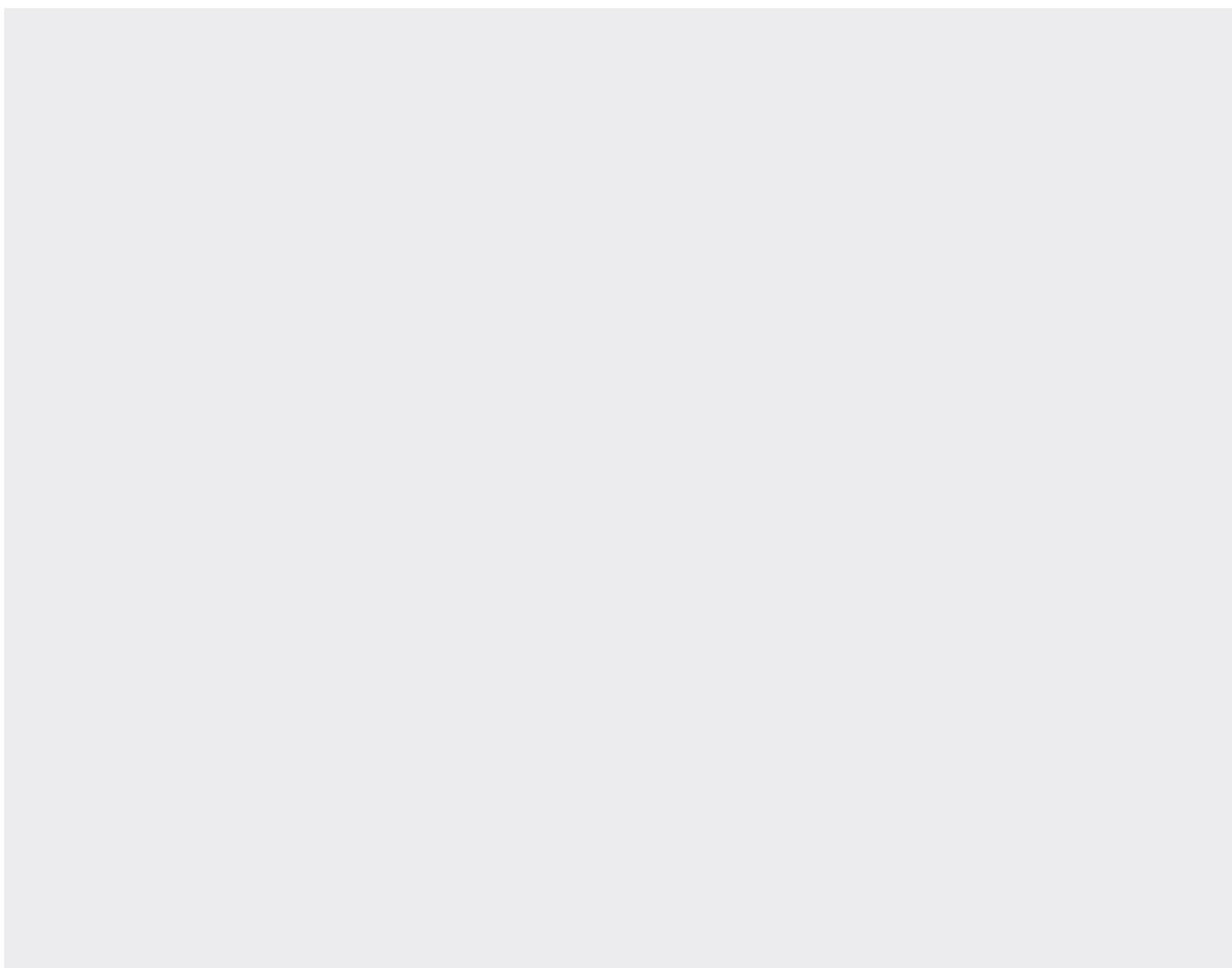
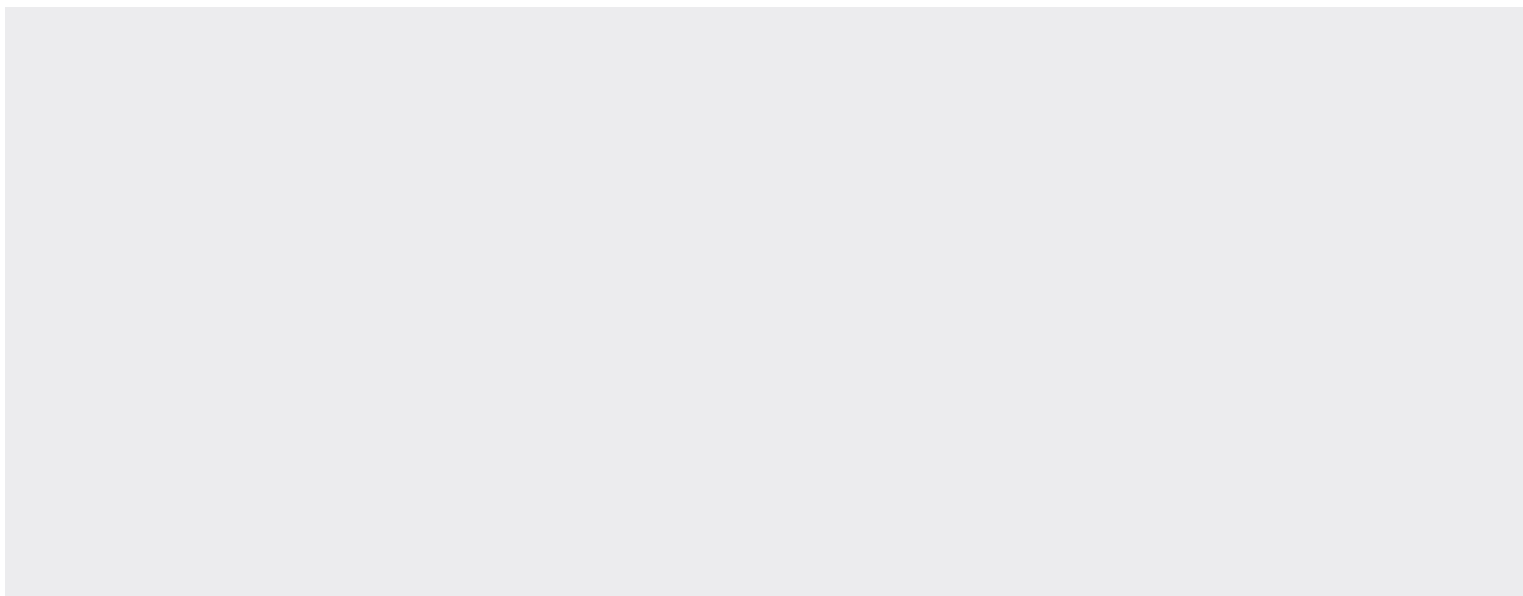


**Van**



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F, a a S.a.e e : .....	5





• Based on actual portfolio return.



\$1,000 < .), \$1,000 (- \$ , 00



## Underlying Vanguard Funds

As of December 31, 2022

	4.1%
	1.3

The above reflects the percentage of the portfolio invested in each of the underlying funds as of the end of the period.

## Financial Statements

### Schedule of Investments

As of December 31, 2022

	12/31/22	12/31/21
		(\$000)
<b>Investment Companies (100.0%)</b>		
U.S. Stock Funds (100.0%)	0,331,104	3,022,241
	,430	1,411
<b>Total Investment Companies (Cost \$3,031,058)</b>	<b>3,614,235</b>	
<b>Temporary Cash Investments (0.0%)</b>		
Money Market Fund (0.0%)		
<sup>1</sup> Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shows 7-day yield.	4,334%	(Cost \$344)
	3,440	344
<b>Total Investments (100.0%) (Cost \$3,031,402)</b>	<b>3,614,579</b>	
<b>Other Assets and Liabilities—Net (0.0%)</b>		<b>(1,069)</b>
<b>Net Assets (100%)</b>		<b>3,613,510</b>

Cost in \$000.

See Note A in Notes to Financial Statements.

<sup>1</sup> Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shows 7-day yield.

(\$000 , , , , - )

Assets

קניין נכסין 3,031,402 3, 14, ר

הון



# Statement of Operations

	Year ended 31, 2022
	(\$000)
Investment Income	
Income	
Net Investment Income—Note B	47,569
Realized Net Gain (Loss)	
	13,011
	3,111
	(1,011)
Realized Net Gain (Loss)	231,640
Change in Unrealized Appreciation (Depreciation) from Affiliated Funds	(1,120,049)
Net Increase (Decrease) in Net Assets Resulting from Operations	(840,840)

## Statement of Changes in Net Assets

	2022 (\$000)	2021 (\$000)
<b>Increase (Decrease) in Net Assets</b>		
<b>Operations</b>		
Net Investment Income	4,111	4,111
Realized and Unrealized Gains (Losses)	231,400	23,200
Net Realized and Unrealized Gains (Losses) on Foreign Investments	(1,120,040)	4,400
Net Realized and Unrealized Gains (Losses) on Derivatives	(40,400)	1,200
<b>Distributions</b>		
Dividends	(311,400)	(244,100)
<b>Capital Share Transactions</b>		
Net Issuance of Shares	3,100	443,000
Redemptions of Shares	(311,400)	(244,100)
Net Redemption of Shares	(308,300)	(239,700)
Net Change in Shares	11,800	104,300
Net Change in Shares	(40,200)	1,300
<b>Net Assets</b>		
Beginning of Period	4,254,072	3,462,341
End of Period	3,613,510	4,254,072

## Financial Highlights

	2022	2021	2020	2019	2018
Net Asset Value, Beginning of Period	\$56.94	\$48.56	\$42.81	\$34.26	\$38.26
<b>Investment Operations</b>					
Net Investment Income	1.04	1.40	1.4	1.4	1.03
Realized Capital Gains (Losses)	(12.77)	0.0	3.4	2.2	(2.4)
Net Realized Capital Gains (Losses)	(10.0)	11.2	1.1	10.2	(1.7)
<b>Distributions</b>					
Dividend Distributions	(.0)	(.2)	(.1)	(.1)	(.00)
Capital Gains Distributions	(3.44)	(2.7)	(1.2)	(1.10)	(1.33)
Total Distributions	(4.134)	(3.44)	(1.3)	(1.2)	(2.133)
Net Asset Value, End of Period	\$42.30	\$56.94	\$48.56	\$42.81	\$34.26
Total Return	-19.59%	25.64%	20.55%	30.75%	-5.34%
<b>Ratios/Supplemental Data</b>					
Net Investment Income Ratio	\$3.14	\$4.24	\$3.42	\$2.77	\$2.04
Realized Capital Gains Ratio	0.13%	0.13%	0.13%	0.13%	0.13%
Dividend Yield	1.2%	1.22%	1.0%	1.1%	1.0%
Capital Gains Yield	1.8%	2.4%	3.1%	3.2%	2.5%

1 Calculated based on average holding period.

התאמה בין המספרים המצוינים בטבלה למספרים המצוינים בטקסט. המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.

המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.

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1. המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.

2. המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.

המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.

31, 2022,  
1% 0%

31, 2022.

3. המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.

4. המספרים המצוינים בטבלה הם המספרים המצוינים בטקסט.



31, 2022, ( )

	(\$000)
T	4,11
T	22,1
T	3,1,1

	31, 2022	31, 2021
	(\$000)	(\$000)
*	4,13	4,
	2,240	1,2
	311,43	244,1

\* Incl de ho - e.m ca-i al gain , if an .

31, 2022, ( )

	(\$000)
	3,031,402
T	0,3,1
T	(10,200)
T	3,1,1

E. 31, 2022, ( )

	31, 2022	31, 2021
	(\$000)	(\$000)
	14,31	,02
	,20	,02
	(,0)	(10,1)
	10,1	3,41

31, 2022, ( )

	40%
--	-----

Total Stock Market Index Portfolio

F.

	12/31, 2021		12/31, 2021		12/31, 2021		12/31, 2021		12/31, 2021		12/31, 2022	
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
Net Assets	13,14	104,21	1	2,41	(224,11)	11						1,411
Net Assets		1	1									344
Net Assets	3,42,234	4,13,4	4,13,4	4,13,4	(2,0)	41,442	13,0,1	3,0,2,24				
Net Assets	4,2,4	2,2	20,2	3,1	(1,120,04)	4,13,0,1	3,14,1					

1 Not applicable - change and allocation of cash in the period.

G.

	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022	12/31, 2022
Net Assets												







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Statement of Additional Information,  
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1 4 2.

Interested Trustee<sup>1</sup>

Mortimer J. Buckley

▲ 1 . 1 201 . 1 1 1 ( ) 1

**Peter F. Volanakis**

▲ 1981-1984, Director, Office of the Inspector General, U.S. Department of Justice (1981-1984)  
▲ 1984-1987, Director, Office of the Inspector General, U.S. Department of Justice (1984-1987)  
▲ 1987-1990, Director, Office of the Inspector General, U.S. Department of Justice (1987-1990)  
▲ 1990-1993, Director, Office of the Inspector General, U.S. Department of Justice (1990-1993)  
▲ 1993-1996, Director, Office of the Inspector General, U.S. Department of Justice (1993-1996)  
▲ 1996-1999, Director, Office of the Inspector General, U.S. Department of Justice (1996-1999)  
▲ 1999-2001, Director, Office of the Inspector General, U.S. Department of Justice (1999-2001)  
▲ 2001-2003, Director, Office of the Inspector General, U.S. Department of Justice (2001-2003)

**Executive Officers**

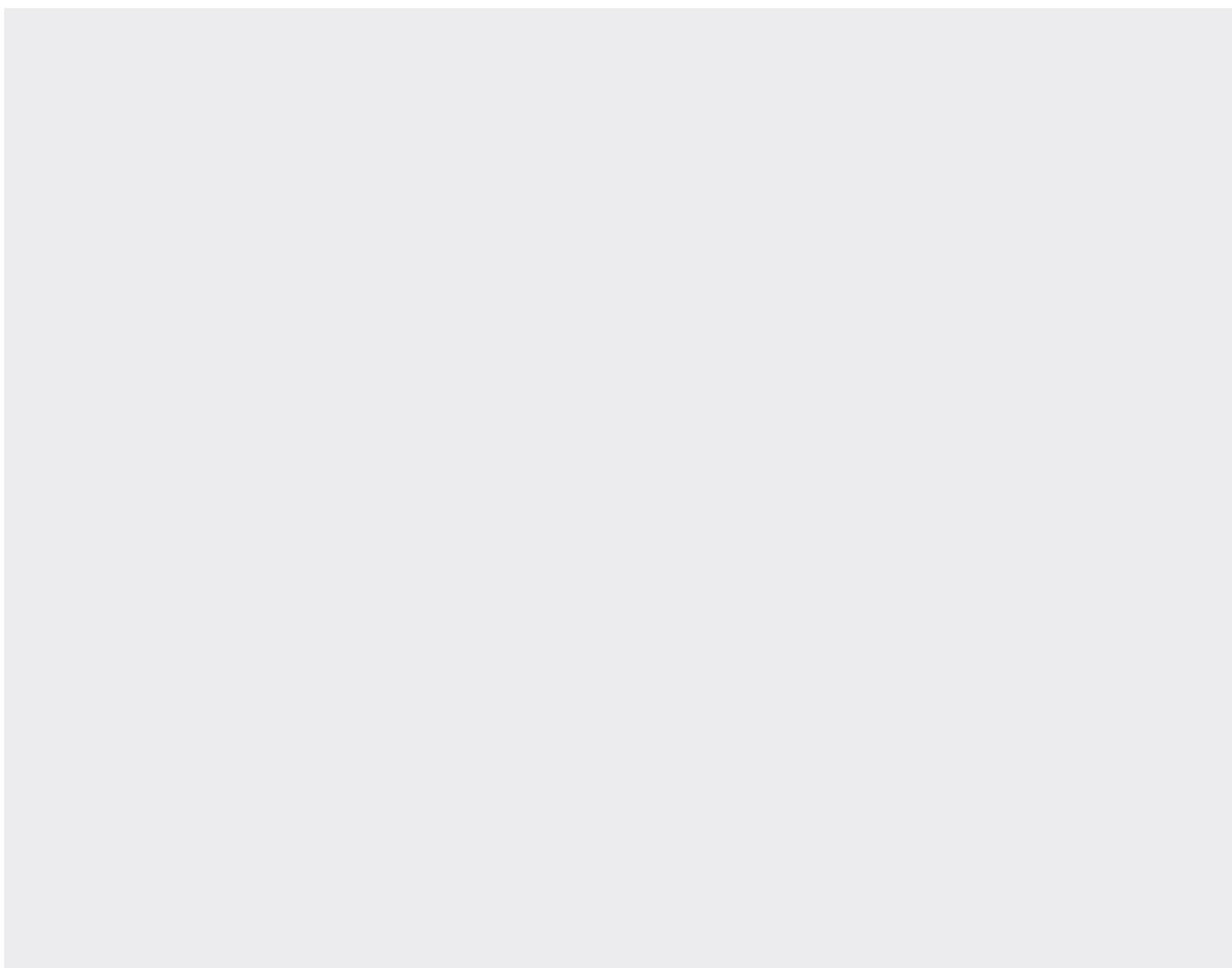
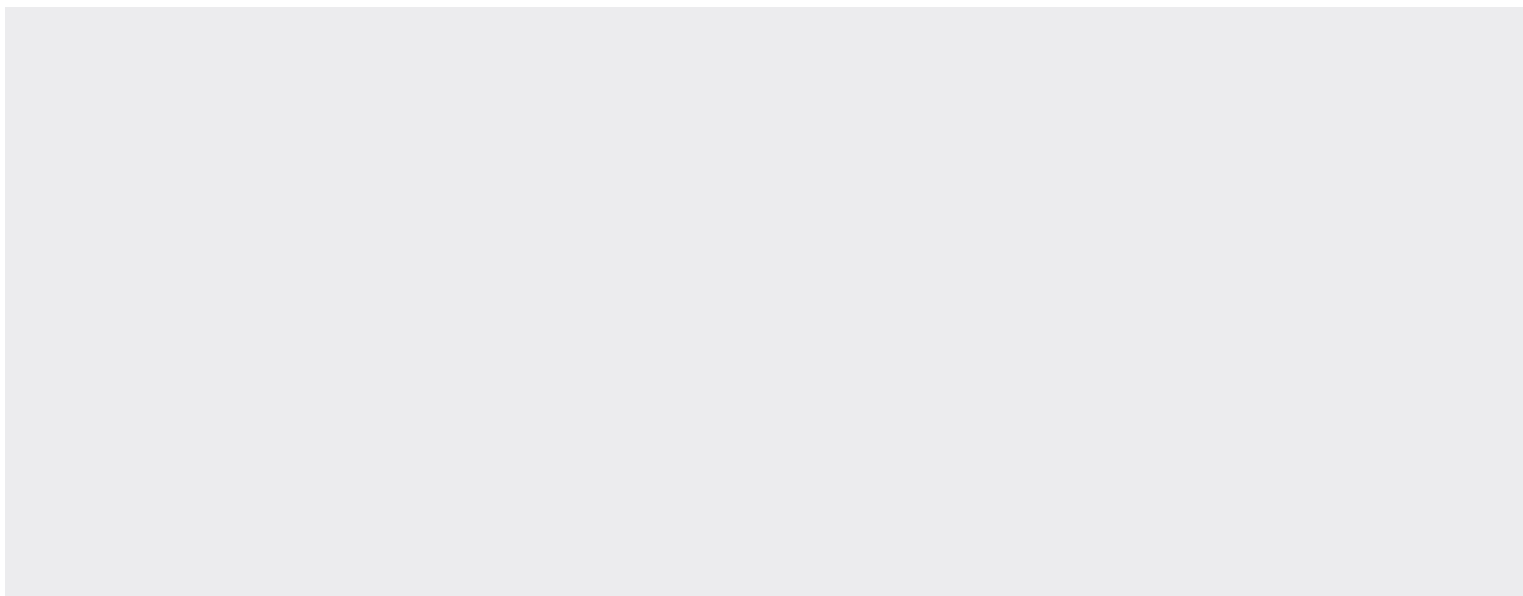
**Jacqueline Angell**

▲ 1984-1987, Director, Office of the Inspector General, U.S. Department of Justice (1984-1987)  
▲ 1987-1990, Director, Office of the Inspector General, U.S. Department of Justice (1987-1990)  
▲ 1990-1993, Director, Office of the Inspector General, U.S. Department of Justice (1990-1993)  
▲ 1993-1996, Director, Office of the Inspector General, U.S. Department of Justice (1993-1996)  
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▲ 2001-2003, Director, Office of the Inspector General, U.S. Department of Justice (2001-2003)  
▲ 2003-2006, Director, Office of the Inspector General, U.S. Department of Justice (2003-2006)  
▲ 2006-2009, Director, Office of the Inspector General, U.S. Department of Justice (2006-2009)  
▲ 2009-2012, Director, Office of the Inspector General, U.S. Department of Justice (2009-2012)  
▲ 2012-2015, Director, Office of the Inspector General, U.S. Department of Justice (2012-2015)  
▲ 2015-2018, Director, Office of the Inspector General, U.S. Department of Justice (2015-2018)  
▲ 2018-2022, Director, Office of the Inspector General, U.S. Department of Justice (2018-2022)

**Vanguard**<sup>®</sup>



**Van**



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€ Despite some relief in midsummer and late fall, the 12 months ended December 31, 2022, were a volatile, challenging period for financial markets. The Equity Index Portfolio returned ...18.23%, inline with the ...18.11%return of its benchmark, the Standard & Poor's 500 Index.

€ Overall, the economic backdrop deteriorated as inflation soared to multidecade highs, driven by government spending during the pandemic as well as higher energy and food prices in the wake of Russia's invasion of Ukraine. That prompted aggressive tightening by many central banks to bring inflation back in check, which increased fears of recession.

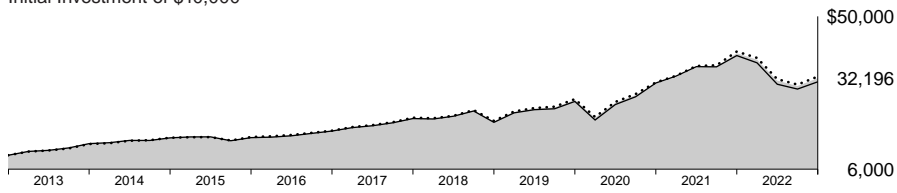
€ Value stocks held up better than their gro

As a shareholder of the portfolio, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a portfolio's gross income, directly reduce the investment return of the portfolio.

A portfolio's expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your portfolio and to compare these costs with those of other mutual funds. The examples are based on an in

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the portfolio. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at [vanguard.com/performance](http://vanguard.com/performance).) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on portfolio distributions or on the sale of portfolio shares. Nor do the returns reflect fees and expenses associated with the annuity or life insurance program through which a shareholder invests. If these fees and expenses were included, the portfolio's returns would be lower.

Cumulative Performance: December 31, 2012, Through December 31, 2022  
Initial Investment of \$10,000



Communication Services	7.3%
Consumer Discretionary	9.8
Consumer Staples	7.2
Energy	5.2
Financials	11.7
Health Care	15.8
Industrials	8.7
Information Technology	25.7
Materials	2.7
Real Estate	2.7
Utilities	3.2

The table reflects the portfolio's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard (GICS), except for the

The portfolio files its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year as an exhibit to its reports on Form N-PORT. The portfolio's Form N-PORT reports are available on the SEC's website at [www.sec.gov](http://www.sec.gov).

	Shares	Market Value <sup>€</sup> (\$000)
<hr/>		
Common Stocks (99.4%)		
<hr/>		
Communication Services (7.2%)		
* Alphabet Inc. Class A	1,403,705	123,849
* Alphabet Inc. Class C	1,243,382	110,325
* Meta Platforms Inc. C439 4c 5.254.46 0 60432(8,56879 0 0-1(rm)5161e)-j (08ns2rDElectro Tc 0 Tc 5.48 4.4901o)] TJ 69.8(74Shares) 9(1)741Td 017(68,65a63,8t)]8(7)20Common0003		

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Shares

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	Shares	Market Value <sup>e</sup> (\$000)
Zimmer Biomet Holdings Inc.	49,252	6,280
Baxter International Inc.	118,330	6,031
Laboratory Corp. of America Holdings	20,810	4,900
* Waters Corp.	13,952	4,780
* Cardinal Health Inc.	61,562	4,732
* Molina Healthcare Inc.	13,719	4,530
* Hologic Inc.	58,698	4,391
STERIS plc	23,478	4,336
Quest Diagnostics Inc.	26,764	4,187
PerkinElmer Inc.	29,655	4,158
West Pharmaceutical Services Inc.	17,394	4,094
Cooper Cos. Inc.	11,600	3,836
* Align Technology Inc.	17,079	3,602
* Incyte Corp.	43,423	3,488
Viatis Inc.	284,299	3,164
Bio-Tedne Corp.	36,806	3,051
Teleflex Inc.	11,020	2,751
* Charles River Laboratories International Inc.	11,949	2,604
* Henry Schein Inc.	31,927	2,550
Universal Health Services Inc. Class B	15,128	2,131
* Bio-Rad Laboratories Inc. Class A	5,042	2,120
* Catalent Inc.	42,146	4,807

(3)] TJ (.7A] TJ (orp.) T27.35736 -0 Td [(hein)-5-2646.2(4,336)1,0 T-27.35736 -1.2821 Td [(Univ)1DEN

	Shares	Market Value <sup>€</sup> (\$000)
* Keysight Technologies Inc.	42,035	7,191
* Arista Networks Inc.	58,200	7,063
* Cognizant Technology Solutions Corp. ClassA	120,605	6,897
* ON Semiconductor Corp.	101,484	6,330
* Global Payments Inc.	63,474	6,304
* Gartner Inc.	18,549	6,235
* Corning Inc.	178,694	5,708
* CDW Corp.	31,782	5,676
* HP Inc.	207,831	5,584
* ANSYS Inc.	20,459	4,943
* Hewlett Packard Enterprise Co.	302,228	4,824
* VeriSign Inc.	21,671	4,452
* EPAM Systems Inc.	13,512	4,428
* Teledyne Technologies Inc.	11,015	4,405
* SolarEdge Technologies Inc.	13,142	3,723
* Broadridge Financial Solutions Inc.	27,660	3,710
* Monolithic Power Systems Inc.	10,485	3,708
* Paycom Software Inc.	11,430	3,547
* First Solar Inc.	23,311	3,492
* Skyworks Solutions Inc.	37,688	3,435
* Teradyne Inc.	36,668	3,203
* FleetCor Technologies Inc.	17,350	3,187
* Tyler Technologies Inc.	9,760	3,147
* Akamai Technologies Inc.	36,979	3,117
* Zebra Technologies Corp. ClassA	12,108	3,115

	Shares	Market Value <sup>€</sup> (\$000)
NRG Energy Inc.	53,942	1,716
		240,330
Total Common Stocks (Cost \$4,518,772)		7,548,849
Temporary Cash Investments (0.6%)		
Money Market Fund (0.6%)		
<sup>1</sup> Vanguard Market Liquidity Fund, 4.334% (Cost \$42,922)	429,268	42,922
Total Investments (100.0%) (Cost \$4,561,694)		7,591,771
Other Assets and Liabilities, Net (0.0%)		(207)
Net Assets (100%)		7,591,564

Cost in \$000.

<sup>€</sup> See Note A in Notes to Financial Statements.

\* Non-income-producing security.

<sup>1</sup> Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate is the 7-day yield.

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Derivative Financial Instruments Outstanding as of Period End

---

## Statement of Assets and Liabilities

As of December 31, 2022

(\$000s, except shares, footnotes, and per-share amounts)	Amount
<b>Assets</b>	
<b>Investments in Securities, at Value</b>	
Unaffiliated Issuers (Cost \$4,518,772)	7,548,849
Affiliated Issuers (Cost \$42,922)	42,922
<b>Total Investments in Securities</b>	<b>7,591,771</b>
Investment in Vanguard	290
Cash	799
Cash Collateral Pledged, Futures Contracts	2,814
Receivables for Accrued Income	6,704
Receivables for Capital Shares Issued	3,592
<b>Total Assets</b>	<b>7,605,970</b>
<b>Liabilities</b>	
Payables for Investment Securities Purchased	12,115
Payables for Capital Shares Redeemed	1,683
Payables to Vanguard	466
Variation Margin Payable, Futures Contracts	142
<b>Total Liabilities</b>	<b>14,406</b>
<b>Net Assets</b>	<b>7,591,564</b>

At December 31, 2022, net assets consisted of:

Paid-in Capital	4,182,305
Total Distributable Earnings (Loss)	3,409,259
<b>Net Assets</b>	<b>7,591,564</b>
<b>Net Assets</b>	
Applicable to 149,619,587 outstanding \$.01 par value shares of beneficial interest (unlimited authorization)	7,591,564
<b>Net Asset Value Per Share</b>	<b>\$50.74</b>

Year Ended  
December 31, 2022  
(\$000)

Investment Income	
Income	
Dividends <sup>1</sup>	129,892
Interest <sup>2</sup>	564
Securities Lending, Net	19
Total Income	130,475
Expenses	
The Vanguard Group, Note B	
Investment Advisory Services	770
Management and Administrative	9,807
Marketing and Distribution	426
Custodian Fees	80
Auditing Fees	69
Shareholders' Reports	100
Trustees' Fees and Expenses	3
Other Expenses	20
Total Expenses	11,275
Expenses Paid Indirectly	(2)
Net Expenses	11,273
Net Investment Income	119,202
Realized Net Gain (Loss)	
Investment Securities Sold <sup>2</sup>	272,286
Futures Contracts	(4,879)
Realized Net Gain (Loss)	267,407
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>2</sup>	(2,077,965)
Futures Contracts	(2,163)
Change in Unrealized Appreciation (Depreciation)	(2,080,128)
Net Increase (Decrease) in Net Assets Resulting from Operations	(1,693,519)

1 Dividends are net of foreign withholding taxes of \$58,000.

2 Interest income, realized gain (loss), capital distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the portfolio were \$537,000, (\$1,000), \$6,000, and \$4,000, respectively. Purchases and sales are temporary cash

## Statement of Changes in Net Assets

	Year Ended December 31,	
	2022 (\$000)	2021 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	119,202	105,618
Realized Net Gain (Loss)	267,407	359,238
Change in Unrealized Appreciation (Depreciation)	(2,080,128)	1,644,218
Net Increase (Decrease) in Net Assets Resulting from Operations	(1,693,519)	2,109,074
Distributions		
Total Distributions	(465,299)	(418,079)
Capital Share Transactions		
Issued	849,472	711,464
Issued in Lieu of Cash Distributions	465,299	418,079
Redeemed	(918,334)	(1,021,957)
Net Increase (Decrease) from Capital Share Transactions	396,437	107,586
Total Increase (Decrease)	(1,762,381)	1,798,581
Net Assets		
Beginning of Period	9,353,945	7,555,364
End of Period	7,591,564	9,353,945



The Equity Index Portfolio, a portfolio of Vanguard Variable Insurance Funds, is registered under the Investment Company Act of 1940 as an open-end investment company. The portfolio's shares are only available for purchase by separate accounts of insurance companies as investments for variable annuity plans, variable life insurance contracts, or other variable benefit insurance contracts. Significant market disruptions, such as those



prequalified c

D. Various

## G. Capital shares issued and redeemed were:

	Year Ended December 31,	
	2022 Shares (000)	2021 Shares (000)
Issued	15,519	11,966
Issued in Lieu of Cash Distributions	7,787	7,731
Redeemed	(16,568)	(17,343)
Net Increase (Decrease) in Shares Outstanding	6,738	2,354

At December 31, 2022, one shareholder (an insurance company separate account whose holdings in the portfolio represent the indirect investment of Vanguard Variable Annuity contract holders) was the record or beneficial owner of 44% of the portfolio's net assets. If this shareholder were to redeem its investment in the portfolio, the redemption might result in an increase in the portfolio's expense ratio, cause the portfolio to incur higher transaction costs, or lead to the realization of taxable capital gains.

H. Management has determined that no events or transactions occurred subsequent to December 31, 2022, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Variable Insurance Funds and Shareholders of Equity Index Portfolio

## Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of Equity Index Portfolio (one of the portfolios constituting Vanguard Variable Insurance Funds, referred to hereafter as the "Portfolio") as of December 31, 2022, the related statement of operations for the year ended December 31, 2022, the statement of changes in net assets for each of the two years in the period ended December 31, 2022, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2022 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Portfolio as of December 31, 2022, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended December 31, 2022 and the financial highlights for each of the five years in the period ended December 31, 2022 in conformity with accounting principles generally accepted in the United States of America.

## Basis for Opinion

These financial statements are the responsibility of the Portfolio's management. Our responsibility is to express an opinion on the Portfolio's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolio in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of December 31, 2022 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers LLP  
Philadelphia, Pennsylvania  
February 15, 2023

We have served as the auditor of one or more investment companies in The Vanguard Group of Funds since 1975.

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Tax information (unaudited)

For corporate shareholders, 100.0%, or if subsequently determined to be different, the maximum percentage allowable by law, of ordinary income (dividend income plus short-term gains, if any) for the fiscal year qualified for the dividends-received deduction.

The portfolio hereby designates \$146,000, or if subsequently determined to be different, the maximum amount allowable by law, of interest earned from obligations of the U.S. government which is generally exempt from state income tax.

The portfolio distributed \$350,840,000 as capital gain dividends (20% rate gain distributions) to shareholders during the fiscal year.

The S&P 500 Index is a product of S&P Dow Jones Indices LLC, a division of S&P Global affiliates (S&P Global) and has been licensed for use by Vanguard Standard & Poor's and S&P are registered trademarks of Standard & Poor's Financial Services LLC (S&P Global) and Dow Jones registered

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The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 206 Vanguard funds.

Information for each trustee and executive officer of the fund appears below. That information, as well as the Vanguard fund count, is as of the date on the cover of this fund report. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the Statement of Additional Information, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at [vanguard.com](http://vanguard.com).

Interested Trustee <sup>1</sup>

Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years

Peter F. Volanakis

Born in 1955. Trustee since July 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2010) of Corning Incorporated (communications equipment) and director of Corning Incorporated (2000...2000) and Dow Corning (2001...2010) Director (2012) of SPX Corporation (multi-industry manufacturing). Overseer of the Amos Tuck School of Business Administration, Dartmouth College (2001...2013) Member of the BMW Group Mobility Council.

#### Executive Officers

Jacqueline Angell

Born in 1974. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief compliance officer (November 2022...present) of

