# **Vanguard**<sup>®</sup>

Annual Report | December 31, 2023

# Vanguard U.S. Stock Index Funds Mid-Capitalization Portfolios

Vanguard Extended Market Index Fund
Vanguard Mid-Cap Index Fund
Vanguard Mid-Cap Growth Index Fund
Vanguard Mid-Cap Value Index Fund

See the inside front cover for important information about your fund's annual and semiannual shareholder reports.

## Important information about shareholder reports

Beginning in July 2024, amendments adopted by the Securities and Exchange Commission will substantially impact the design, content, and transmission of shareholder reports. Shareholder reports will provide key fund information in a clear and concise format and must be mailed to each shareholder that has not elected to receive the reports electronically. Financial statements will no longer be included in the shareholder report but will be available at vanguard.com, can be mailed upon request, or can be accessed on the SEC's website at www.sec.gov.

You may elect to receive shareholder reports and other communications from the fund electronically by contacting your financial intermediary (such as a broker-dealer or bank) or, if you invest directly with the fund, by calling Vanguard at one of the phone numbers on the back cover of this report or by logging on to vanguard.com.

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### Your Fund's Performance at a Glance

- The financial markets delivered robust returns for the 12 months ended December 31, 2023. Returns for the Vanguard Mid-Cap Index Funds ranged from 9.62% (for Investor Shares of the Mid-Cap Value Index Fund) to 23.14% (for Admiral Shares and ETF Shares of the Mid-Cap Growth Index Fund. Returns for ETF Shares are based on net asset value.) Returns for Vanguard Extended Market Index Fund, which holds small- and mid-capitalization stocks, ranged from 25.22% for Investor Shares to 25.44% for Institutional Select Shares. The funds generally tracked their target indexes closely. The Extended Market Index Fund outperformed, thanks to skilled trading and corporate-action elections by the fund's manager, Vanguard Equity Index Group, in addition to securities lending revenue.
- Major central banks stopped hiking interest rates when inflation eased. Global economic growth proved resilient, but the prospect of rates remaining high for an extended period spurred occasional volatility. Toward year-end, stocks and bonds rallied worldwide as expectations for rate cuts in 2024 rose.
- At the sector level, technology shares contributed most to returns of all the funds' target indexes, except the CRSP US Mid Cap Value Index, which was powered by industrials.
- For the 10 years ended December 31, the funds' annualized returns ranged from 8.36% (for Investor Shares of the Mid-Cap Value Index Fund) to 10.12% (for Admiral and ETF Shares of the Mid-Cap Growth Index Fund). The Extended Market Index Fund outperformed its target index, while the other funds closely tracked their indexes.
- Note that the Extended Market Index Fund uses the Global Industry Classification Standard methodology, while the other funds use the Industry Classification Benchmark methodology.

#### Market Barometer

	Average Annual Total Returns Periods Ended December 31, 2023		
	One Year	Three Years	Five Years
Stocks			
Russell 1000 Index (Large-caps)	26.53%	8.97%	15.52%
Russell 2000 Index (Small-caps)	16.93	2.22	9.97
Russell 3000 Index (Broad U.S. market)	25.96	8.54	15.16
FTSE All-World ex US Index (International)	15.82	1.98	7.52
Bonds			
Bloomberg U.S. Aggregate Float Adjusted Index (Broad taxable market)	5.60%	-3.33%	1.17%
Bloomberg Municipal Bond Index (Broad tax-exempt market)	6.40	-0.40	2.25
FTSE Three-Month U.S. Treasury Bill Index	5.26	2.24	1.91
СРІ			
Consumer Price Index	3.35%	5.60%	4.07%

# About Your Fund's Expenses

As a shareholder of the fund, 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 fund's gross income, directly reduce the investment return of the fund.

A fund'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 fund and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your fund's costs in two ways:

• Based on actual fund return. This section helps you to estimate the actual expenses that you paid over the period. The "Ending Account Value" shown is derived from the fund's actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the fund. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your fund under the heading "Expenses Paid During Period."

• Based on hypothetical 5% yearly return. This section is intended to help you compare your fund's costs with those of other mutual funds. It assumes that the fund had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the fund's actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your fund's costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the fund for buying and selling securities. Further, the expenses do not include any purchase, redemption, or account service fees described in the fund prospectus. If such fees were applied to your account, your costs would be higher. Your fund does not carry a "sales load."

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the fund's expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your fund's current prospectus.

### Six Months Ended December 31, 2023

Six Months Ended December 51, 2025	Beginning Account Value 6/30/2023	Ending Account Value 12/31/2023	Expenses Paid During Period
Based on Actual Fund Return			
Extended Market Index Fund			
Investor Shares	\$1,000.00	\$ 1,112.10	\$ 1.01
ETF Shares	1,000.00	1,112.90	0.32
Admiral™ Shares	1,000.00	1,112.80	0.32
Institutional Shares	1,000.00	1,112.80	0.27
Institutional Plus Shares	1,000.00	1,112.90	0.21
Institutional Select Shares	1,000.00	1,113.00	0.11
Mid-Cap Index Fund			
Investor Shares	\$1,000.00	\$1,065.10	\$0.88
ETF Shares	1,000.00	1,065.90	0.21
Admiral Shares	1,000.00	1,065.80	0.26
Institutional Shares	1,000.00	1,066.00	0.21
Institutional Plus Shares	1,000.00	1,065.90	0.16
Mid-Cap Growth Index Fund	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
Investor Shares	\$1,000.00	\$1,070.70	\$0.99
ETF Shares	1,000.00	1,071.40	0.37
Admiral Shares	1,000.00	1,071.40	0.37
Mid-Cap Value Index Fund	.,,,,,,,,,	.,,	
Investor Shares	\$1,000.00	\$1,060.40	\$0.99
ETF Shares	1,000.00	1,061.00	0.36
Admiral Shares	1,000.00	1,061.00	0.36
Based on Hypothetical 5% Yearly Return	.,,,,,,,,,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.00
Extended Market Index Fund			
Investor Shares	\$1,000.00	\$1,024.25	\$0.97
ETF Shares	1,000.00	1,024.90	0.31
Admiral Shares	1,000.00	1,024.90	0.31
Institutional Shares	1,000.00	1,024.95	0.26
Institutional Plus Shares	1,000.00	1,025.00	0.20
Institutional Select Shares	1,000.00	1,025.10	0.10
Mid-Cap Index Fund	.,,,,,,,,,	1,020.10	00
Investor Shares	\$1,000.00	\$1,024.35	\$0.87
ETF Shares	1,000.00	1,025.00	0.20
Admiral Shares	1,000.00	1,024.95	0.26
Institutional Shares	1,000.00	1,025.00	0.20
Institutional Plus Shares	1,000.00	1.025.05	0.15
Mid-Cap Growth Index Fund	1,000.00	1,020.00	0.10
Investor Shares	\$1,000.00	\$1,024.25	\$0.97
ETF Shares	1,000.00	1,024.85	0.36
Admiral Shares	1,000.00	1,024.85	0.36
Mid-Cap Value Index Fund	1,000.00	1,024.00	0.50
Investor Shares	\$1,000.00	\$1,024.25	\$0.97
ETF Shares	1,000.00	1,024.85	0.36
Admiral Shares			
Autiliai Stiates	1,000.00	1,024.85	0.36

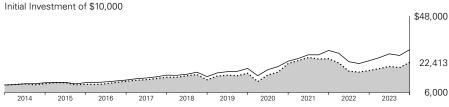
The calculations are based on expenses incurred in the most recent six-month period. The funds' annualized six-month expense ratios for that period are: for the Extended Market Index Fund, 0.19% for Investor Shares, 0.06% for ETF Shares, 0.06% for Admiral Shares, 0.05% for Institutional Shares, 0.04% for Institutional Plus Shares, and 0.02% for Institutional Select Shares; for the Mid-Cap Index Fund, 0.17% for Investor Shares, 0.04% for ETF Shares, 0.05% for Admiral Shares, ond 0.03% for Institutional Plus Shares; for the Mid-Cap Growth Index Fund, 0.19% for Investor Shares, 0.07% for ETF Shares, and 0.07% for Admiral Shares, and 0.03% for Institutional Plus Shares, ond 0.03% for Investor Shares, ond 0.07% for ETF Shares, and 0.07% for Admiral Shares. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (184/365).

## **Extended Market Index Fund**

# Performance Summary

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the fund. (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.) 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 fund distributions or on the sale of fund shares.

## Cumulative Performance: December 31, 2013, Through December 31, 2023



#### Average Annual Total Returns Periods Ended December 31, 2023

_	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Extended Market Index Fund Investor Shares	25.22%	11.77%	8.40%	\$22,413
······ S&P Completion Index	24.97	11.77	8.42	22,444
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Extended Market Index Fund ETF Shares Net Asset Value	25.39%	11.91%	8.54%	\$22,702
Extended Market Index Fund ETF Shares Market Price	25.49	11.92	8.55	22,716
S&P Completion Index	24.97	11.77	8.42	22,444
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Extended Market Index Fund Admiral Shares	25.38%	11.91%	8.54%	\$22,701
S&P Completion Index	24.97	11.77	8.42	22,444
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

#### Average Annual Total Returns Periods Ended December 31, 2023

_	One Year	Five Years	Ten Years	Final Value of a \$5,000,000 Investment
Extended Market Index Fund Institutional Shares	25.41%	11.92%	8.56%	\$11,366,202
S&P Completion Index	24.97	11.77	8.42	11,221,856
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	14,710,990

	One Year	Five Years	Ten Years	Final Value of a \$100,000,000 Investment
Extended Market Index Fund Institutional Plus Shares	25.41%	11.93%	8.57%	\$ 227,611,590
S&P Completion Index	24.97	11.77	8.42	224,437,120
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	294,219,800

	One Year	Five Years	Since Inception (6/27/2016)	Final Value of a \$3,000,000,000 Investment
Extended Market Index Fund Institutional Select Shares	25.44%	11.95%	11.45%	\$6,774,235,800
S&P Completion Index	24.97	11.77	11.26	6,688,184,700
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	13.82	7,929,434,400

<sup>&</sup>quot;Since Inception" performance is calculated from the Institutional Select Shares' inception date for both the fund and its comparative standard(s).

#### Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

	One Year	Five Years	Ten Years
Extended Market Index Fund ETF Shares Market Price	25.49%	75.62%	127.16%
Extended Market Index Fund ETF Shares Net Asset Value	25.39	75.51	127.02
S&P Completion Index	24.97	74.42	124.44

For the ETF Shares, the market price is determined by the midpoint of the bid-offer spread as of the closing time of the New York Stock Exchange (generally 4 p.m., Eastern time). The net asset value is also determined as of the NYSE closing time. For more information about how the ETF Shares' market prices have compared with their net asset value, visit vanguard.com, select your ETF, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

## **Fund Allocation**

As of December 31, 2023

Communication Services	4.1%
Consumer Discretionary	11.4
Consumer Staples	2.8
Energy	4.4
Financials	17.4
Health Care	11.8
Industrials	17.0
Information Technology	18.9
Materials	4.4
Real Estate	6.0
Utilities	1.8

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

The Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P"), and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

# **Financial Statements**

# Schedule of Investments

As of December 31, 2023

The fund 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 fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
Со	mmon Stocks (99.6%)			*	Altice USA Inc. Class A	3,401,473	11,055
Co	mmunication Services (4.1%)			*	IDT Corp. Class B	310,485	10,584
*	Trade Desk Inc. Class A	6,596,543	474,687		Gray Television Inc.	1,175,724	10,534
*	ROBLOX Corp. Class A	7,220,475	330,120	*	Stagwell Inc. Class A	1,578,610	10,466
*	Pinterest Inc. Class A	8,679,981	321,506	*	Liberty Media CorpLiberty Live Class A	283,361	10,357
*	Snap Inc. Class A	15,242,506	258,056	*	Eventbrite Inc. Class A	1,238,632	10,355
*	Liberty Media CorpLiberty Formula One Class C	3,114,045	196,590	*	QuinStreet Inc.	766,100	9,821
*	Roku Inc. Class A	1,848,061	169,393	*	Anterix Inc.	294,257	9,805
*	Liberty Broadband Corp. Class C	1,737,405	140,017		PubMatic Inc. Class A	599,046	9,770
	New York Times Co. Class A	2,402,356	117,691		Clear Channel Outdoor Holdings Inc.	5,330,271	9,701
*	Frontier Communications Parent Inc.	3,288,944	83,342	*	Thryv Holdings Inc.	462,991	9,422
*	ZoomInfo Technologies Inc. Class A	4,404,680	81,443		Vimeo Inc.	2,395,249	9,389
	Iridium Communications Inc.	1,827,059	75,202	*	Gogo Inc.	918,019	9,300
	Nexstar Media Group Inc. Class A	476,838	74,744	Ţ	Playtika Holding Corp.	1,024,385	8,933
	Warner Music Group Corp. Class A	2,053,718	73,503	*	United States Cellular Corp.	203,368	8,448
	TKO Group Holdings Inc. Class A	887,002	72,362		AMC Networks Inc. Class A	440,211	8,272
*	Liberty Global Ltd. Class C	3,811,096	71,039	*,1	AST SpaceMobile Inc. Class A	1,354,173	8,166
	Endeavor Group Holdings Inc. Class A	2,752,330	65,313	*,1	EchoStar Corp. Class A	487,434	8,077
*	Liberty Media CorpLiberty SiriusXM	2,261,936	65,099	*	EW Scripps Co. Class A	917,106	7,328
*	IAC Inc.	1,027,767	53,834		Sinclair Inc.	546,544	7,121
	Cogent Communications Holdings Inc.	636,698	48,427		ATN International Inc.	166,571	6,491
*	Yelp Inc. Class A	1,001,976	47,434	*	Daily Journal Corp.	18,366	6,259
*	Ziff Davis Inc.	675,854	45,411	*,1	National CineMedia Inc.	1,433,978	5,937
*	Madison Square Garden Sports Corp.	246,570	44,834	*	Liberty Latin America Ltd. Class A	795,778	5,817
	TEGNA Inc.	2,901,070	44,386		Marcus Corp.	393,779	5,741
	Cable One Inc.	67,078	37,335	*	Gannett Co. Inc.	2,356,867	5,421
*	TripAdvisor Inc.	1.593.071	34,299	*	Cardlytics Inc.	572,514	5,273
1	Sirius XM Holdings Inc.	5,665,848	30,992	*,1	Rumble Inc.	1,159,992	5,208
*	Cargurus Inc. Class A	1,262,831	30,532	*	Advantage Solutions Inc.	1,420,480	5,142
*	Liberty Media CorpLiberty SiriusXM Class A	1,043,900	30,002	*	Vivid Seats Inc. Class A	809,764	5,118
*	Liberty Global Ltd. Class A	1,647,395	29,274		Spok Holdings Inc.	319,087	4,939
*	Lumen Technologies Inc.	14,873,850	27,219	*	Consolidated Communications Holdings Inc.	1,135,214	4,938
	Telephone & Data Systems Inc.	1,442,817	26,476	*	Boston Omaha Corp. Class A	309,921	4,875
*	Liberty Media CorpLiberty Live Class C	704,619	26,346	*	Bandwidth Inc. Class A	321,646	4,654
*	Cinemark Holdings Inc.	1,590,828	22,415	*	iHeartMedia Inc. Class A	1,617,525	4,319
*	AMC Entertainment Holdings Inc. Class A	3,641,680	22,287	*	Nextdoor Holdings Inc.	2,222,557	4,201
*	Bumble Inc. Class A	1,463,190	21,567	*	TrueCar Inc.	1,095,565	3,791
*	DISH Network Corp. Class A	3,679,970	21,233	*	EverQuote Inc. Class A	304,276	3,724
*	Globalstar Inc.	10,656,323	20,673	*	Ooma Inc.	343,937	3,690
	John Wiley & Sons Inc. Class A	635,623	20,175	*	Playstudios Inc.	1,348,026	3,653
*	Madison Square Garden Entertainment Corp. Class A		19,894		Entravision Communications Corp. Class A	853,836	3,560
*	Lions Gate Entertainment Corp. Class B	1,797,348	18,315	*	Reservoir Media Inc.	450,913	3,215
*	Liberty Media CorpLiberty Formula One Class A	314,681	18,245	*	WideOpenWest Inc.	773,022	3,131
*	Atlanta Braves Holdings Inc. Class C	438,278	17,347	*	MediaAlpha Inc. Class A	276,401	3,082
*	Cars.com Inc.	903,437	17,138	*,1	Getty Images Holdings Inc.	554,938	2,913
	Shutterstock Inc.	351,723	16,981	*	Angi Inc. Class A	1,077,528	2,683
*	Magnite Inc.	1,781,309	16,637	*,1	Grindr Inc.	291,637	2,561
*	Liberty Broadband Corp. Class A	201,179	16,223	*	Outbrain Inc.	475,801	2,084
	Shenandoah Telecommunications Co.	745,639	16,121	*	Emerald Holding Inc.	332,308	1,987
*	ZipRecruiter Inc. Class A	1,112,562	15,465	*	Innovid Corp.	1,104,530	1,657
	Scholastic Corp.	404,462	15,465		Townsquare Media Inc. Class A	153,492	1,621
*	Integral Ad Science Holding Corp.	980,154	14,104		Saga Communications Inc. Class A	69,605	1,549
*	fuboTV Inc.	4,350,600	13,835	*	DHI Group Inc.	571,362	1,480
*	Sphere Entertainment Co.	389,542	13,229	*	LiveOne Inc.	996,949	1,386
*	TechTarget Inc.	378,311	13,229	*,1,	<sup>2</sup> Tingo Group Inc.	1,943,444	1,341
*	Lions Gate Entertainment Corp. Class A	1,134,040	12,361	*,1	Skillz Inc. Class A	202,677	1,265
*	Liberty Latin America Ltd. Class C	1,134,040	12,301	*	Cumulus Media Inc. Class A	227,161	1,208
*,1	Atlanta Braves Holdings Inc. Class A	265,212	11,346	*,1	PSQ Holdings Inc.	199,860	1,047
	Addition Draves Florungs IIIC. Class A	200,212	11,340				

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Travelzoo	106,066	1,011	-	Churchill Downs Inc.	1,004,765	135,573
*	Urban One Inc. Class A	221,694	893		Lithia Motors Inc. Class A	407,098	134,049
*	AdTheorent Holding Co. Inc.	569,797	826		Dick's Sporting Goods Inc.	910,204	133,755
*	Golden Matrix Group Inc.	331,376	799		Tempur Sealy International Inc.	2,543,828	129,659
*	comScore Inc.	47,118	787	*	Skechers USA Inc. Class A	1,975,494	123,152
*,1	SurgePays Inc.	117,766	760		Autoliv Inc.	1,109,866	122,296
*	Urban One Inc.	201,891	713		Lear Corp.	863,006	121,865
	Harte Hanks Inc.	101,383	688	*	Vail Resorts Inc.	563,565	120,304
*,1	Direct Digital Holdings Inc. Class A	45,658	679		Duolingo Inc. Class A	530,198	120,275
*,1,2	NII Holdings Inc.	1,297,367	649		Texas Roadhouse Inc. Class A	977,440	119,473
*	Kartoon Studios Inc. System1 Inc.	445,651	619		Gentex Corp.	3,449,477	112,660
*	Lee Enterprises Inc.	248,352 69,387	551 546		Wingstop Inc. PVH Corp.	435,543 893,636	111,752 109,131
*	Marchex Inc. Class B	400,912	546 545	*	Light & Wonder Inc.	1,327,860	109,131
*	Gaia Inc. Class A	194,494	525		Aramark	3,861,441	109,031
*	Arena Group Holdings Inc.	188,072	448		H&R Block Inc.	2,126,992	100,307
*	KORE Group Holdings Inc.	437,624	429		Murphy USA Inc.	283,750	102,003
*	Fluent Inc.	639,548	428	*	Mattel Inc.	5,229,598	98,735
*,1	Loop Media Inc.	419,003	419		Wyndham Hotels & Resorts Inc.	1,226,231	98,601
*	IZEA Worldwide Inc.	196,466	395		Brunswick Corp.	1,018,412	98,531
*	Zedge Inc. Class B	160.996	378		Meritage Homes Corp.	542,071	94,429
*	Reading International Inc. Class A	193,566	370		Thor Industries Inc.	789.454	93,353
*	FG Group Holdings Inc.	249,852	367	*	Planet Fitness Inc. Class A	1,264,995	92,345
*	Paltalk Inc.	99,785	233	*	Capri Holdings Ltd.	1,706,446	85,732
*	CuriosityStream Inc.	392,619	212		Hyatt Hotels Corp. Class A	653,697	85,249
	DallasNews Corp.	40,189	172	*	Taylor Morrison Home Corp. Class A	1,574,236	83,986
*,1	Stran & Co. Inc.	106,525	158	*	Crocs Inc.	894,685	83,573
*,1	Charge Enterprises Inc.	1,356,771	155		Macy's Inc.	4,049,892	81,484
*	Dolphin Entertainment Inc.	89,955	154	*	Bright Horizons Family Solutions Inc.	854,965	80,572
*	Lendway Inc.	31,737	144	*,1	Carvana Co. Class A	1,515,368	80,224
*,1	Cineverse Corp.	94,251	127	*	Valvoline Inc.	2,047,728	76,954
*,1	SPAR Group Inc.	120,632	122	*	Wayfair Inc. Class A	1,235,349	76,221
*,1	BuzzFeed Inc. Class A	471,268	118		Polaris Inc.	778,001	73,731
*,1	NextPlay Technologies Inc.	39,607	91		Academy Sports & Outdoors Inc.	1,100,896	72,659
*,1	Creative Realities Inc.	37,517	89		Signet Jewelers Ltd.	667,484	71,594
*,1	Leafly Holdings Inc.	18,287	88		KB Home	1,130,447	70,608
	PodcastOne Inc.	45,954	85	*,1 *	GameStop Corp. Class A	3,981,947	69,804
	Collective Audience Inc.	57,900	78		Ollie's Bargain Outlet Holdings Inc.	911,918	69,205
*,1	Liberty Global Ltd. Class B	3,841	68	*	Harley-Davidson Inc.	1,877,968	69,184
*	FaZe Holdings Inc.	342,307	62	*	Asbury Automotive Group Inc.	304,536	68,511
*	Beasley Broadcast Group Inc. Class A	66,912	59		YETI Holdings Inc.	1,287,732	66,679
*,1	Salem Media Group Inc. Class A NextPlat Corp.	122,967 26,703	48 44	*	Gap Inc. RH	3,172,295 226,996	66,333 66,165
*,1	Chicken Soup For The Soul Entertainment Inc.	20,703	44	*	Abercrombie & Fitch Co. Class A	742,643	65,516
	Class A	158,744	35		Boyd Gaming Corp.	1,020,928	63,920
*	Motorsport Games Inc. Class A	10,638	33		Installed Building Products Inc.	346,070	63,269
*	Super League Enterprise Inc.	20,785	32		Group 1 Automotive Inc.	205,021	62,478
*,1	Society Pass Inc.	96,225	30	*	Goodyear Tire & Rubber Co.	4,190,327	60,006
*	Reading International Inc. Class B	1,884	27	*	Skyline Champion Corp.	789,433	58,623
*	Snail Inc. Class A	11,787	14	*	Penn Entertainment Inc.	2,244,343	58,398
*,1	Asset Entities Inc. Class B	9,300	6		American Eagle Outfitters Inc.	2,741,648	58,013
*	Moving Image Technologies Inc.	3,471	3	*	AutoNation Inc.	383,667	57,619
*,1	Treasure Global Inc.	12,230	1	*	Grand Canyon Education Inc.	428,738	56,611
*	Grom Social Enterprises Inc.	177	_	*	M/I Homes Inc.	409,098	56,349
		-	3,972,678		Advance Auto Parts Inc.	882,456	53,856
Cor	nsumer Discretionary (11.4%)		0,072,070	*	Visteon Corp.	413,748	51,677
*	DoorDash Inc. Class A	4,492,508	444,264		Leggett & Platt Inc.	1,972,195	51,612
*	Deckers Outdoor Corp.	378,781	253,189	*	Tri Pointe Homes Inc.	1,446,096	51,192
*	DraftKings Inc. Class A	6,895,476	243,066	*	Adient plc	1,384,331	50,334
*,1	Rivian Automotive Inc. Class A	9,986,141	234,275	_	Newell Brands Inc.	5,662,373	49,149
	Williams-Sonoma Inc.	949,317	191,553	*	Mobileye Global Inc. Class A	1,129,534	48,931
*	Burlington Stores Inc.	959,370	186,578		MDC Holdings Inc.	874,676	48,326
*	Five Below Inc.	824,520	175,755	* *	Wendy's Co.	2,468,306	48,083
*	Floor & Decor Holdings Inc. Class A	1,573,492	175,539	*,1	Lucid Group Inc.	11,370,073	47,868
*	TopBuild Corp.	468,522	175,349		LCI Industries	373,865	46,999
	Toll Brothers Inc.	1,577,744	162,176		Kohl's Corp.	1,632,751	46,827
	Service Corp. International	2,182,596	149,399		Penske Automotive Group Inc.	288,008	46,228

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Modine Manufacturing Co.	772,520	46,119	*	Chegg Inc.	1,708,448	19,408
	Kontoor Brands Inc.	735,792	45,928	*	Green Brick Partners Inc.	372,277	19,336
	Steven Madden Ltd.	1,030,844	43,295	*	Udemy Inc.	1,307,069	19,253
*	Helen of Troy Ltd.	351,427	42,456	1	Leslie's Inc.	2,727,675	18,848
*	Fox Factory Holding Corp. Hilton Grand Vacations Inc.	627,756 1,047,735	42,361 42,098	*	Krispy Kreme Inc. Beyond Inc.	1,243,210 669,076	18,760 18,527
	Travel + Leisure Co.	1,047,735	41,603	*	OneSpaWorld Holdings Ltd.	1,305,124	18,402
1	Choice Hotels International Inc.	366,457	41,520	*	Rover Group Inc. Class A	1,624,012	17,669
	Marriott Vacations Worldwide Corp.	486,902	41,333		Winmark Corp.	41,730	17,424
*	Carter's Inc.	550,279	41,210	*	Perdoceo Education Corp.	969,831	17,030
*	Frontdoor Inc. Shake Shack Inc. Class A	1,168,062 552,298	41,139 40,936	*	XPEL Inc. Malibu Boats Inc. Class A	314,764 309,016	16,950 16,940
	Columbia Sportswear Co.	509,321	40,930		Camping World Holdings Inc. Class A	631,583	16,585
*	LGI Homes Inc.	301,687	40,173	*	iRobot Corp.	408,896	15,824
*	Cavco Industries Inc.	113,899	39,480	*	Warby Parker Inc. Class A	1,112,268	15,683
	Red Rock Resorts Inc. Class A	718,863	38,337	*	Caleres Inc.	503,858	15,484
	Century Communities Inc.	416,087	37,922	*	American Axle & Manufacturing Holdings Inc.	1,751,910	15,434
	Foot Locker Inc. Papa John's International Inc.	1,208,782 482,646	37,654 36,792	*	Sweetgreen Inc. Class A Beazer Homes USA Inc.	1,352,840 440,694	15,287 14,891
	Graham Holdings Co. Class B	52,532	36,590	*	Everi Holdings Inc.	1,315,259	14,823
	Bloomin' Brands Inc.	1,277,646	35,966	*	Under Armour Inc. Class A	1,647,437	14,481
*,1	QuantumScape Corp. Class A	5,136,692	35,700	*	Playa Hotels & Resorts NV	1,665,563	14,407
*	Dorman Products Inc.	419,018	34,950	*	Chico's FAS Inc.	1,849,925	14,022
*	Stride Inc.	583,600	34,648		Hibbett Inc. Monarch Casino & Resort Inc.	190,379 197,461	13,711
*	Chewy Inc. Class A Adtalem Global Education Inc.	1,461,081 584,970	34,525 34,484		Monro Inc.	460,411	13,654 13,508
*	Boot Barn Holdings Inc.	445,782	34,218	*,1	Luminar Technologies Inc. Class A	3,997,457	13,471
*	Under Armour Inc. Class C	4,093,850	34,184	*	Life Time Group Holdings Inc.	862,743	13,010
*	Sonos Inc.	1,895,005	32,480		Golden Entertainment Inc.	324,302	12,949
*	Winnebago Industries Inc.	440,789	32,125	*	Figs Inc. Class A	1,833,636	12,744
	Peloton Interactive Inc. Class A Patrick Industries Inc.	5,049,249 305,472	30,750 30,654		BJ's Restaurants Inc. Sturm Ruger & Co. Inc.	351,783 267,250	12,668 12,147
*	Coursera Inc.	1,579,280	30,591		Sonic Automotive Inc. Class A	215,623	12,147
*	Victoria's Secret & Co.	1,149,363	30,504	*	Dream Finders Homes Inc. Class A	340,385	12,094
*	Topgolf Callaway Brands Corp.	2,124,130	30,460		Dine Brands Global Inc.	235,085	11,672
	Strategic Education Inc.	322,886	29,825	*	MarineMax Inc.	297,024	11,554
	Urban Outfitters Inc.	831,849	29,689	*,1	Mister Car Wash Inc.	1,337,004	11,552
*	Acushnet Holdings Corp. Brinker International Inc.	447,457 651,348	28,266 28,125	*	Vizio Holding Corp. Class A Portillo's Inc. Class A	1,490,178 707,317	11,474 11,268
*	ODP Corp.	494,662	27,850		Standard Motor Products Inc.	282,463	11,245
*	SeaWorld Entertainment Inc.	525,749	27,775	*	Hovnanian Enterprises Inc. Class A	71,359	11,105
	Dana Inc.	1,889,941	27,612		Ethan Allen Interiors Inc.	342,934	10,946
*	Dave & Buster's Entertainment Inc.	506,494	27,275	*	Wolverine World Wide Inc.	1,199,867	10,667
*	Laureate Education Inc.	1,979,083	27,133	*	Chuy's Holdings Inc.	274,302	10,487
1	Six Flags Entertainment Corp. Nordstrom Inc.	1,059,035 1,426,331	26,561 26,316		WW International Inc. Bluegreen Vacations Holding Corp. Class A	1,180,251 135,600	10,327 10,186
	Worthington Enterprises Inc.	447,364	25,746	*	Revolve Group Inc. Class A	610,070	10,115
*	Gentherm Inc.	488,219	25,563		Smith & Wesson Brands Inc.	708,124	9,602
*	Vista Outdoor Inc.	853,192	25,229	*,1	Cava Group Inc.	221,082	9,502
*	Sabre Corp.	5,723,657	25,184		Arko Corp.	1,145,157	9,448
*,1	Cracker Barrel Old Country Store Inc. Dutch Bros Inc. Class A	326,145	25,139 24,957	*	Guess? Inc. Accel Entertainment Inc. Class A	402,541 896,710	9,283
·	Levi Strauss & Co. Class A	788,041 1,477,518	24,937		RCI Hospitality Holdings Inc.	130,428	9,209 8,642
	Cheesecake Factory Inc.	696,650	24,390	*	Stoneridge Inc.	438,684	8,585
	Jack in the Box Inc.	298,758	24,388		Shoe Carnival Inc.	274,604	8,296
*	National Vision Holdings Inc.	1,155,304	24,181	*	Denny's Corp.	749,374	8,153
*	La-Z-Boy Inc.	641,036	23,667	*,1	Bowlero Corp. Class A	554,798	7,856
	Hanesbrands Inc. ADT Inc.	5,258,773 3,348,445	23,454 22,836	*	Haverty Furniture Cos. Inc. European Wax Center Inc. Class A	212,934 551,951	7,559 7,501
	Upbound Group Inc.	3,348,445 668,790	22,836	*	First Watch Restaurant Group Inc.	361,527	7,501 7,267
	Oxford Industries Inc.	218,567	21,857	*	Arhaus Inc. Class A	608,252	7,208
	Phinia Inc.	701,645	21,253	*	America's Car-Mart Inc.	91,019	6,897
*	Sally Beauty Holdings Inc.	1,594,946	21,181	*	Movado Group Inc.	226,023	6,815
1	Buckle Inc.	435,235	20,682	*	GoPro Inc. Class A	1,958,478	6,796
*	Dillard's Inc. Class A G-III Apparel Group Ltd.	50,301 595,922	20,304 20,249	*	Kura Sushi USA Inc. Class A Universal Technical Institute Inc.	81,729 492,277	6,211 6,163
*	Garrett Motion Inc.	2,072,205	20,249	*	Lindblad Expeditions Holdings Inc.	538,446	6,068
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		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Bally's Corp.	430,091	5,996	*	GrowGeneration Corp.	858,179	2,154
*	Lovesac Co.	229,651	5,868	*	ONE Group Hospitality Inc.	350,236	2,134
*,1	Savers Value Village Inc.	322,144	5,599	*	Legacy Housing Corp.	81,971	2,067
*	OneWater Marine Inc. Class A	164,772	5,568		Bassett Furniture Industries Inc.	124,057	2,059
	Designer Brands Inc. Class A	621,882	5,504	1	Big 5 Sporting Goods Corp.	317,636	2,014
	Carriage Services Inc. Class A Aaron's Co. Inc.	218,415 498,750	5,463 5,426	*,1	Superior Group of Cos. Inc. Snap One Holdings Corp.	143,354 215,400	1,935 1,919
*,1	EVgo Inc. Class A	1,493,192	5,346	*	Century Casinos Inc.	390,057	1,904
	Johnson Outdoors Inc. Class A	99,625	5,322		Marine Products Corp.	165,436	1,886
*	Genesco Inc.	150,302	5,292	*	J. Jill Inc.	71,057	1,832
*,1	MasterCraft Boat Holdings Inc.	228,317	5,169	*,1	Canoo Inc.	7,109,196	1,829
*	Fisker Inc. Class A Stitch Fix Inc. Class A	2,866,131 1,401,408	5,016 5,003		Cato Corp. Class A Hamilton Beach Brands Holding Co. Class A	255,761 103,284	1,826 1,806
*	Cooper-Standard Holdings Inc.	253,931	4,962	*,1	ContextLogic Inc. Class A	289,243	1,721
*,1	Atmus Filtration Technologies Inc.	209,008	4,910	*	Universal Electronics Inc.	180,911	1,699
*	Zumiez Inc.	241,264	4,907	*	Noodles & Co. Class A	539,074	1,698
*,1	Global Business Travel Group I	753,364	4,859	*,1	Allbirds Inc. Class A	1,381,393	1,692
*	Sleep Number Corp. Xponential Fitness Inc. Class A	324,970 370,387	4,819 4,774	*	Allurion Technologies Inc. Lands' End Inc.	450,926 174,736	1,686 1,671
1	Cricut Inc. Class A	720,625	4,774	*	LL Flooring Holdings Inc.	426,076	1,662
*	PlayAGS Inc.	556,416	4,691	*	American Outdoor Brands Inc.	197,675	1,661
	Build-A-Bear Workshop Inc.	196,906	4,527	*,1	Mondee Holdings Inc. Class A	562,071	1,551
*	1-800-Flowers.com Inc. Class A	412,357	4,445	*	Latham Group Inc.	578,638	1,522
	Qurate Retail Inc. Class A Hooker Furnishings Corp.	5,071,828 168,196	4,440 4,387	*	Duluth Holdings Inc. Class B 2U Inc.	270,154 1,154,288	1,453 1,420
*,1	Soho House & Co. Inc. Class A	606,096	4,367 4,315	*	Unifi Inc.	211,362	1,420
*	Children's Place Inc.	183,786	4,268	*,1	RumbleON Inc. Class B	171,283	1,394
*	Rush Street Interactive Inc.	928,859	4,171	*	Strattec Security Corp.	55,293	1,388
*	Carrols Restaurant Group Inc.	518,311	4,084	* * 1	1stdibs.com Inc.	293,042	1,371
*	Funko Inc. Class A	520,314	4,022	*,1 *,1	Tupperware Brands Corp.	650,628	1,301
*	Lincoln Educational Services Corp. Petco Health & Wellness Co. Inc. Class A	392,567 1,228,787	3,941 3,883	*	Lazydays Holdings Inc. BARK Inc.	180,535 1,410,207	1,273 1,136
*,1	Target Hospitality Corp.	397,114	3,864	*	Container Store Group Inc.	488,250	1,113
*	Inspired Entertainment Inc.	390,783	3,861	*,1	United Homes Group Inc.	129,310	1,090
*	El Pollo Loco Holdings Inc.	436,875	3,853	*	Biglari Holdings Inc. Class A	1,351	1,073
*,1	JAKKS Pacific Inc. Groupon Inc. Class A	107,924 296,929	3,837 3,813		Biglari Holdings Inc. Class B Lifetime Brands Inc.	6,493 159,241	1,071 1,069
*	Holley Inc.	744,597	3,626	*,1	Vroom Inc.	1,754,946	1,069
*	Potbelly Corp.	346,592	3,612	*	Superior Industries International Inc.	325,372	1,041
*	Citi Trends Inc.	125,362	3,545		Flexsteel Industries Inc.	54,815	1,033
*	Destination XL Group Inc.	784,133	3,450	* * 1	Fossil Group Inc.	651,683	951
*	Tile Shop Holdings Inc.	430,452	3,168	*,1 *	Mullen Automotive Inc.	65,721	939
	Nerdy Inc. Nathan's Famous Inc.	918,844 40,172	3,152 3,134	*,1	GAN Ltd. Workhorse Group Inc.	585,494 2,567,654	925 924
1	Big Lots Inc.	400,772	3,122		Crown Crafts Inc.	184,550	915
	Rocky Brands Inc.	103,347	3,119	1	Purple Innovation Inc. Class A	873,128	899
*	Red Robin Gourmet Burgers Inc.	236,833	2,953	*	Conn's Inc.	197,329	876
_	Vera Bradley Inc.	363,887	2,802	*,1 *	Torrid Holdings Inc.	149,601	863
*,1	Clarus Corp. RealReal Inc.	403,456 1,384,079	2,782 2,782	*,1	Culp Inc. PLBY Group Inc.	147,833 781,211	856 781
	Weyco Group Inc.	88,333	2,770	*	Barnes & Noble Education Inc.	513,514	765
*	American Public Education Inc.	285,113	2,751	*	Delta Apparel Inc.	85,609	610
*	AMMO Inc.	1,264,210	2,655	*	Brilliant Earth Group Inc. Class A	149,812	557
*	Traeger Inc.	948,235	2,589	* 1	Ark Restaurants Corp.	38,656	547
*	Escalade Inc. Motorcar Parts of America Inc.	127,326 273,322	2,558 2,553	*,1 *,1	Kirkland's Inc. Grove Collaborative Holdings	180,002 307,237	544 544
*	ThredUp Inc. Class A	1,123,178	2,553	*	Live Ventures Inc.	20,027	509
*	Tilly's Inc. Class A	332,060	2,504	*,1	Express Inc.	58,459	489
*	Full House Resorts Inc.	464,696	2,495	*,1	Vacasa Inc. Class A	52,158	428
*,1	Solo Brands Inc. Class A	399,133	2,459	*,1	Sonder Holdings Inc.	125,512	426
*	Solid Power Inc.	1,690,601	2,451 2,367		Canterbury Park Holding Corp.	20,349	416
*	CarParts.com Inc. Landsea Homes Corp.	748,942 179,360	2,367 2,357	*	AMCON Distributing Co. Rave Restaurant Group Inc.	2,117 176,306	413 393
	PetMed Express Inc.	308,394	2,337	*,1	Sypris Solutions Inc.	191,121	386
*	Sportsman's Warehouse Holdings Inc.	542,914	2,313	*	Envela Corp.	79,294	385
*	VOXX International Corp. Class A	215,211	2,298	* 1	Koss Corp.	109,767	368
	Lakeland Industries Inc.	119,183	2,210	*,1	Polished.com Inc.	58,865	355

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*,1	Aterian Inc.	996,489	347	*	Post Holdings Inc.	750,787	66,114
*	BowFlex Inc.	434,844	335		Flowers Foods Inc.	2,835,055	63,817
*,1	Rent the Runway Inc. Class A	624,498	329		Coca-Cola Consolidated Inc.	68,497	63,593
* 1	Yunhong Green CTI Ltd.	121,102	257	*	Freshpet Inc.	714,684	62,006
*,1	Beachbody Co. Inc.	30,986	257		Simply Good Foods Co.	1,357,099	53,741
*	Nephros Inc.	69,205	239	*	Lancaster Colony Corp.	300,077	49,930
	Regis Corp.	23,958	226		Boston Beer Co. Inc. Class A	139,768	48,302
*,1	Flanigan's Enterprises Inc. Worksport Ltd.	8,548 145,891	220 217		WD-40 Co. Spectrum Brands Holdings Inc.	197,462 526,819	47,207 42,024
1	FAT Brands Inc. Class A	34,854	217	*	Grocery Outlet Holding Corp.	1,460,119	39,365
*,1	Lulu's Fashion Lounge Holdings Inc.	108,289	201		Inter Parfums Inc.	264,589	38,103
*	GEN Restaurant Group Inc. Class A	25,196	197		J & J Snack Foods Corp.	225,529	37,695
*	Envirotech Vehicles Inc.	144,960	191		Cal-Maine Foods Inc.	599,920	34,429
*	Charles & Colvard Ltd.	444,108	182		Energizer Holdings Inc.	978,745	31,007
*	Good Times Restaurants Inc.	66,131	168	*	TreeHouse Foods Inc.	744,118	30,844
*	Vince Holding Corp.	45,422	157		PriceSmart Inc.	373,606	28,312
*	Wag! Group Co.	88,471	157		Edgewell Personal Care Co.	756,264	27,702
*	Xcel Brands Inc.	113,190	146		Andersons Inc.	465,821	26,803
*	BurgerFi International Inc.	167,859	144		Universal Corp.	371,848	25,033
*,1	Hall of Fame Resort & Entertainment Co.	43,744	142		MGP Ingredients Inc.	227,758	22,439
*	Dixie Group Inc.	188,725	141	*	Herbalife Ltd.	1,468,812	22,414
*	XWELL Inc.	74,690	128		Vector Group Ltd.	1,976,919	22,300
	Jerash Holdings US Inc.	38,272	118		Reynolds Consumer Products Inc.	809,224	21,720
*,1	Amesite Inc.	43,962	100	*	Central Garden & Pet Co. Class A	477,896	21,047
*	Twin Vee PowerCats Co.	60,192	84	*	Sovos Brands Inc.	906,545	19,971
*,1	AYRO Inc.	44,007	77		Ingles Markets Inc. Class A	212,582	18,361
*,1	Educational Development Corp.	64,779	75	-	National Beverage Corp.	351,606	17,482
*,1	Tandy Leather Factory Inc.	17,293	74	*	Utz Brands Inc.	1,006,389	16,344
*,1	Forward Industries Inc.	101,271	73		Pilgrim's Pride Corp.	588,305	16,272
*,1	Inspirato Inc.	19,707	73 71	*	Weis Markets Inc.	245,216	15,684
*	JOANN Inc. Allied Gaming & Entertainment Inc.	158,520 61,060	65	*	Chefs' Warehouse Inc. Hain Celestial Group Inc.	523,151 1,324,343	15,396 14,502
*,1	Faraday Future Intelligent Electric Inc. Class A	209,789	48		Nu Skin Enterprises Inc. Class A	741,055	14,302
*,1	aka Brands Holding Corp.	5,698	46	*	United Natural Foods Inc.	873,444	14,176
*	Kaival Brands Innovations Group Inc.	155,259	31		John B Sanfilippo & Son Inc.	131,652	13,565
*	Nova Lifestyle Inc.	8,036	30		Seaboard Corp.	3,763	13,434
*,1	Toughbuilt Industries Inc.	183,720	29	1	B&G Foods Inc.	1,265,189	13,284
*	Emerson Radio Corp.	47,444	26		WK Kellogg Co.	984,253	12,933
	FAT Brands Inc. Class B	4,338	24		Fresh Del Monte Produce Inc.	490,019	12,863
*,1	Arcimoto Inc.	24,956	21	*	Central Garden & Pet Co.	251,639	12,610
*,1	Forza X1 Inc.	33,785	18		SpartanNash Co.	501,383	11,507
*,1	MGO Global Inc.	38,582	16	*	Vita Coco Co. Inc.	447,761	11,485
*,1	Digital Brands Group Inc.	3,261	11		Medifast Inc.	161,714	10,870
*,1	Lottery.com Inc.	3,740	10		Tootsie Roll Industries Inc.	272,856	9,070
*	Greenlane Holdings Inc. Class A	10,695	6	*	USANA Health Sciences Inc.	165,260	8,858
*	BT Brands Inc.	1,151	3	*,1	Beyond Meat Inc.	956,859	8,516
7,1	Volcon Inc.	28,054	3		Calavo Growers Inc.	277,728	8,168
*	Amergent Hospitality Group Inc.	19,975	_	*	Turning Point Brands Inc.	271,571	7,148
*	PARTS iD Inc.	1,100	_	*	Mission Produce Inc.	641,785	6,476
*,2	Singing Machine Co. Inc.	445	_	*	Vital Farms Inc.	407,616	6,395
	GCI Liberty Inc.	1,322,036	_		Duckhorn Portfolio Inc.	617,984	6,087
*	Empire Resorts Inc.	15,517	_	*,1	Oil-Dri Corp. of America	71,347	4,786
	Esports Entertainment Group Inc.	56 _		, .	Westrock Coffee Co.	463,648	4,734
			11,061,614	*	Limoneira Co. Olaplex Holdings Inc.	217,894 1,761,768	4,495 4,475
Coi	nsumer Staples (2.8%)			*	Seneca Foods Corp. Class A	81,005	4,475
*	Performance Food Group Co.	2,291,360	158,448	*	Beauty Health Co.	1,221,391	3,799
	US Foods Holding Corp.	3,330,190	151,224	*	Honest Co. Inc.	948,126	3,129
	Casey's General Stores Inc.	549,061	150,849	*	Nature's Sunshine Products Inc.	180,589	3,123
*	Albertsons Cos. Inc. Class A	5,843,143	134,392	*	HF Foods Group Inc.	530,387	2,832
*	BJ's Wholesale Club Holdings Inc.	1,980,286	132,006		Village Super Market Inc. Class A	102,748	2,695
*	Celsius Holdings Inc. elf Beauty Inc.	2,197,773	119,823		Natural Grocers by Vitamin Cottage Inc.	145,996	2,336
*		817,283 2,359,004	117,967 117,573	*	Lifecore Biomedical Inc.	363,800	2,252
*	Darling Ingredients Inc. BellRing Brands Inc.	2,359,004 1,934,589	117,573 107,234	*,1	BRC Inc. Class A	572,284	2,077
	Ingredion Inc.	956,976	107,234	*	Mama's Creations Inc.	385,609	1,893
*	Sprouts Farmers Market Inc.	1,502,206	72,271	*	Whole Earth Brands Inc.	532,276	1,815
*	Coty Inc. Class A	5,575,774	69,251		Alico Inc.	60,807	1,768
	331, 0143071	5,575,774	55,251				

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*,1	Safety Shot Inc.	444,257	1,559	-	Antero Midstream Corp.	5,052,973	63,314
*	Zevia PBC Class A	614,323	1,235		Magnolia Oil & Gas Corp. Class A	2,729,275	58,106
	Lifevantage Corp.	195,613	1,174		Helmerich & Payne Inc.	1,464,195	53,033
*	Lifeway Foods Inc.	85,576	1,148		California Resources Corp.	946,368	51,747
*	Farmer Bros Co.	230,376	705	*	Tidewater Inc.	715,835	51,619
	Natural Health Trends Corp.	111,509	651		Patterson-UTI Energy Inc.	4,705,571	50,820
*,1	Veru Inc.	844,245	608		Northern Oil & Gas Inc.	1,343,815	49,815
	Natural Alternatives International Inc.	75,454	484	*	CNX Resources Corp.	2,298,712	45,974
*	Rocky Mountain Chocolate Factory Inc.	97,457	447		Kosmos Energy Ltd.	6,783,272	45,516
	Willamette Valley Vineyards Inc.	72,379	384		Cactus Inc. Class A	980,446	44,512
*,1	United-Guardian Inc. Benson Hill Inc.	52,417	377		CONSOL Energy Inc.	411,207	41,339
*	Seneca Foods Corp. Class B	1,779,607 5,623	309 287		Liberty Energy Inc. Class A Peabody Energy Corp.	2,251,603 1,640,716	40,844 39,902
*	Vintage Wine Estates Inc.	431,243	207	*	Uranium Energy Corp.	5,779,830	36,991
*	Splash Beverage Group Inc.	301,169	166	1	New Fortress Energy Inc.	979,034	36,939
*	Coffee Holding Co. Inc.	164,749	148	*	Oceaneering International Inc.	1,476,772	31,426
*,1	Local Bounti Corp.	53,924	112		Archrock Inc.	2,018,584	31,086
*	Real Good Food Co. Inc. Class A	67,593	103	*	Par Pacific Holdings Inc.	824,765	29,997
*	S&W Seed Co.	140,870	99		Sitio Royalties Corp. Class A	1,202,273	28,265
*	Sadot Group Inc.	236,457	95	*	Callon Petroleum Co.	821,996	26,633
*	Barfresh Food Group Inc.	58,859	94		International Seaways Inc.	555,006	25,242
*,1	Maplebear Inc.	3,861	91		Delek US Holdings Inc.	879,637	22,695
*	Upexi Inc.	69,076	80	*	Green Plains Inc.	876,612	22,108
*,1	Guardion Health Sciences Inc.	14,852	78		Dorian LPG Ltd.	500,287	21,948
*,1	Better Choice Co. Inc.	261,756	72	*	Helix Energy Solutions Group Inc.	2,069,104	21,270
	Mannatech Inc.	7,557	59	*	Talos Energy Inc.	1,476,278	21,007
*,1	Bridgford Foods Corp.	5,031	55		World Kinect Corp.	883,139	20,118
*	Cyanotech Corp.	52,822	46	*	Expro Group Holdings NV	1,261,571	20,084
*	Arcadia Biosciences Inc.	14,038	43	*	Diamond Offshore Drilling Inc.	1,508,925	19,616
*,1	MedAvail Holdings Inc.	9,669	43	*	Gulfport Energy Corp.	142,036	18,919
*,1	22nd Century Group Inc.	209,532	39	1	Crescent Energy Co. Class A	1,302,097	17,201
*,1 *,1	Maison Solutions Inc. Class A	27,800	38	1	Vital Energy Inc.	366,224	16,660
*,1	Nocera Inc.	27,430	36	*	Atlas Energy Solutions Inc. Class A	810,405	13,955
*	Nuzee Inc.	10,423	26		US Silica Holdings Inc.	1,147,048	12,973
*	FitLife Brands Inc.	1,265	24		CVR Energy Inc.	425,764	12,901
*,1	Flora Growth Corp. Alkaline Water Co. Inc.	16,990	23 22	*	Core Laboratories Inc. Dril-Quip Inc.	697,667	12,321
*,1	Edible Garden AG Inc.	82,391 35,337	22 17		Comstock Resources Inc.	524,456 1,340,762	12,204 11,866
*,1	Stryve Foods Inc. Class A	6,642	17		Kinetik Holdings Inc. Class A	330,458	11,000
*,1	Eastside Distilling Inc.	8,697	11	*	Nabors Industries Ltd.	133,913	10,931
*	Hempacco Co. Inc.	967		*	ProPetro Holding Corp.	1,275,073	10,685
	nempasse serme.	-		*	REX American Resources Corp.	219,988	10,405
Г.,			2,758,372	*,1	Centrus Energy Corp. Class A	190,100	10,343
Ene	ergy (4.4%) Cheniere Energy Inc.	3,515,505	600,132	*	Bristow Group Inc. Class A	357,417	10,104
	Ovintiv Inc.	3,738,790	164,208	*	Clean Energy Fuels Corp.	2,619,233	10,032
	Texas Pacific Land Corp.	92.120	144,854		Select Water Solutions Inc. Class A	1,222,669	9,280
	TechnipFMC plc	6,432,087	129,542		RPC Inc.	1,218,528	8,871
	HF Sinclair Corp.	2,316,717	128,740	*	Newpark Resources Inc.	1,192,184	7,916
	Chesapeake Energy Corp.	1,625,084	125,034	*	TETRA Technologies Inc.	1,732,538	7,831
	NOV Inc.	5,820,212	118,034		Vitesse Energy Inc.	341,584	7,477
	Range Resources Corp.	3,567,579	108,597		VAALCO Energy Inc.	1,622,051	7,283
*	Southwestern Energy Co.	16,119,439	105,582		Berry Corp.	997,885	7,015
*	Weatherford International plc	1,060,511	103,750	*	SilverBow Resources Inc.	239,935	6,977
	Chord Energy Corp.	603,555	100,329	*,1	Tellurian Inc.	9,000,672	6,801
*	Antero Resources Corp.	4,184,095	94,895		SandRidge Energy Inc.	494,769	6,763
	Matador Resources Co.	1,639,403	93,216	*,1	Oil States International Inc.	974,850	6,619
	Murphy Oil Corp.	2,175,456	92,805	*	NextDecade Corp.	1,195,035	5,700
	Civitas Resources Inc.	1,260,167	86,170		DMC Global Inc.	294,190	5,537
	ChampionX Corp.	2,872,089	83,894		W&T Offshore Inc.	1,503,507	4,901
	Permian Resources Corp. Class A	6,147,350	83,604		Kodiak Gas Services Inc.	236,728	4,754
	DT Midstream Inc.	1,430,739	78,404	*	Overseas Shipholding Group Inc. Class A SEACOR Marine Holdings Inc.	894,321	4,713
	Noble Corp. plc	1,601,645	77,135			370,021 288,833	4,659 4,465
	PBF Energy Inc. Class A	1,606,346	70,615	*,1	Excelerate Energy Inc. Class A Gevo Inc.	288,833 3,824,818	4,465 4.437
*	Transocean Ltd.	10,555,233	67,026	*,1	Vertex Energy Inc.	1,257,698	4,437 4,264
	SM Energy Co.	1,717,498	66,502	1	HighPeak Energy Inc.	288,949	4,204
*	Equitrans Midstream Corp. Valaris Ltd.	6,412,270	65,277 63,414		Solaris Oilfield Infrastructure Inc. Class A	464,376	3,696
	vaiario Elu.	924,805	63,414			•	-

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Hallador Energy Co.	379,079	3,351		Tradeweb Markets Inc. Class A	1,677,406	152,443
*	Amplify Energy Corp.	548,319	3,252		East West Bancorp Inc.	2,074,978	149,295
*	Forum Energy Technologies Inc.	144,970	3,214		Annaly Capital Management Inc.	7,372,564	142,807
*	Empire Petroleum Corp.	273,797	3,009	*,1	our realifologics inc.	14,193,122	141,222
*,1	Aemetis Inc.	524,228	2,747		Ally Financial Inc.	3,991,595	139,386
*	ProFrac Holding Corp. Class A	316,581	2,685		Interactive Brokers Group Inc. Class A	1,579,119	130,909
*	Evolution Petroleum Corp.	446,295	2,593		Carlyle Group Inc.	3,192,101	129,887
	Natural Gas Services Group Inc.	150,390	2,418		Webster Financial Corp.	2,523,159	128,076
	Granite Ridge Resources Inc.	399,914	2,407	*	Erie Indemnity Co. Class A	369,854	123,872
*	FutureFuel Corp. Geospace Technologies Corp.	393,445 183,849	2,392 2,383		WEX Inc.	632,156 2,713,576	122,986 122,708
*	KLX Energy Services Holdings Inc.	210,328	2,363		Unum Group First Horizon Corp.	2,713,576 8,234,958	116,607
	NACCO Industries Inc. Class A	60,429	2,206		American Financial Group Inc.	969,205	115,229
	Ranger Energy Services Inc. Class A	200,156	2,200		Old Republic International Corp.	3,852,336	113,259
*	OPAL Fuels Inc. Class A	299,547	1,654		Voya Financial Inc.	1,542,677	112,554
	Riley Exploration Permian Inc.	59,317	1,616		Morningstar Inc.	385,414	110,321
	Epsilon Energy Ltd.	276,469	1,404		Kinsale Capital Group Inc.	325,729	109,090
	Adams Resources & Energy Inc.	49,775	1,303		New York Community Bancorp Inc.	10,560,036	108,029
	PHX Minerals Inc.	398,834	1,284		Western Alliance Bancorp	1,622,123	106,719
*	Mammoth Energy Services Inc.	283,444	1,264		Primerica Inc.	518,648	106,717
*,1	American Resources Corp.	824,157	1,228		Stifel Financial Corp.	1,507,845	104,267
*	Smart Sand Inc.	599,189	1,156		Cullen/Frost Bankers Inc.	947,434	102,787
*	Ring Energy Inc.	642,522	938	*	Toast Inc. Class A	5,543,016	101,215
*	Profire Energy Inc.	498,092	902		Jefferies Financial Group Inc.	2,481,292	100,269
*	Gulf Island Fabrication Inc.	207,420	898		Pinnacle Financial Partners Inc.	1,138,805	99,327
*	PrimeEnergy Resources Corp.	7,468	794	*	First American Financial Corp.	1,525,684	98,315
*,1	Nine Energy Service Inc.	274,731	736		Robinhood Markets Inc. Class A	7,653,494	97,506
_	Energy Services of America Corp.	120,053	718	1	AGNC Investment Corp.	9,850,827	96,637
	Comstock Inc.	1,044,524	572		SouthState Corp.	1,124,249	94,943
1	Lightbridge Corp.	162,218	521		Prosperity Bancshares Inc.	1,388,219	94,024
*	Enviva Inc.	518,012	516	1	Commerce Bancshares Inc.	1,757,714	93,880
*,1	Battalion Oil Corp.	53,142	511 375	·	Starwood Property Trust Inc.	4,403,268	92,557 91,713
*	Independence Contract Drilling Inc. Houston American Energy Corp.	152,868 164,070	375 294		Houlihan Lokey Inc. Class A SEI Investments Co.	764,848 1,425,945	90,619
*,1	Camber Energy Inc.	921,210	210		Blue Owl Capital Inc. Class A	6,008,959	89,533
	Barnwell Industries Inc.	80,914	197		Selective Insurance Group Inc.	896,641	89,198
*	Dawson Geophysical Co.	106,125	194		Evercore Inc. Class A	512,452	87,655
*	NCS Multistage Holdings Inc.	10,480	180		Popular Inc.	1,066,953	87,565
	Mexco Energy Corp.	17,490	160		OneMain Holdings Inc.	1,769,989	87,083
*	PEDEVCO Corp.	185,738	143		Wintrust Financial Corp.	908,343	84,249
*	Superior Drilling Products Inc.	198,912	142		Essent Group Ltd.	1,577,424	83,193
*	Stabilis Solutions Inc.	27,744	115		Columbia Banking System Inc.	3,090,524	82,455
*	Drilling Tools International Corp.	34,328	110		Synovus Financial Corp.	2,145,427	80,775
1	US Energy Corp.	102,771	103		Cadence Bank	2,699,388	79,875
*	MIND Technology Inc.	11,431	75		RLI Corp.	595,519	79,275
*,1	Verde Clean Fuels Inc.	29,389	69		MGIC Investment Corp.	4,082,638	78,754
*,1	ENGlobal Corp.	37,593	65		Bank OZK	1,549,635	77,218
*,1	Clean Energy Technologies Inc.	30,357	45		Corebridge Financial Inc.	3,551,463	76,925
*	Enservoo Corp.	107,717	27		Affiliated Managers Group Inc.	497,928	75,396
*,1	EzFill Holdings Inc.	6,718	11		United Bankshares Inc.	1,997,374	75,001
*,1	Vivakor Inc. RiskOn International Inc.	4,688	5		Rithm Capital Corp.	7,010,253	74,870
, .	hiskon international inc.	7,425 _	2		Old National Bancorp FNB Corp.	4,329,636 5,272,564	73,128 72,603
			4,297,946		Home BancShares Inc.	2,775,575	72,603
Fin	ancials (17.3%)				Valley National Bancorp	6,303,697	68,458
*	KKR & Co. Inc.	9,814,245	813,110		Glacier Bancorp Inc.	1,655,960	68,424
	Block Inc. Class A	8,191,550	633,616		Lincoln National Corp.	2,469,146	66,593
*	Apollo Global Management Inc.	6,455,511	601,589	*	Euronet Worldwide Inc.	647,981	65,764
	Coinbase Global Inc. Class A	2,533,184 2,496,941	440,571	*	Ryan Specialty Holdings Inc. Class A	1,505,296	64,758
	Area Managament Core Class A	/ 49h 94 l	296,936		Radian Group Inc.	2,257,264	64,445
*	Ares Management Corp. Class A						
*	Markel Group Inc.	193,437	274,661 254 460		Hanover Insurance Group Inc.	529,161	64,251
*	Markel Group Inc. LPL Financial Holdings Inc.	193,437 1,117,918	254,460		Hanover Insurance Group Inc. Western Union Co.	529,161 5,375,653	64,251 64,078
*	Markel Group Inc. LPL Financial Holdings Inc. First Citizens BancShares Inc. Class A	193,437 1,117,918 175,670	254,460 249,270		•		
*	Markel Group Inc. LPL Financial Holdings Inc. First Citizens BancShares Inc. Class A Fidelity National Financial Inc.	193,437 1,117,918 175,670 3,823,761	254,460 249,270 195,088	*	Western Union Co. SLM Corp. Mr Cooper Group Inc.	5,375,653 3,345,658 974,859	64,078 63,969 63,483
*	Markel Group Inc. LPL Financial Holdings Inc. First Citizens BancShares Inc. Class A Fidelity National Financial Inc. Affirm Holdings Inc. Class A	193,437 1,117,918 175,670 3,823,761 3,265,163	254,460 249,270 195,088 160,450		Western Union Co. SLM Corp. Mr Cooper Group Inc. Axis Capital Holdings Ltd.	5,375,653 3,345,658 974,859 1,145,341	64,078 63,969 63,483 63,418
*	Markel Group Inc. LPL Financial Holdings Inc. First Citizens BancShares Inc. Class A Fidelity National Financial Inc.	193,437 1,117,918 175,670 3,823,761	254,460 249,270 195,088	*	Western Union Co. SLM Corp. Mr Cooper Group Inc.	5,375,653 3,345,658 974,859	64,078 63,969 63,483

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
	Hamilton Lane Inc. Class A	540,099	61,269		Park National Corp.	214,190	28,457
	Assured Guaranty Ltd.	799,511	59,827		Cohen & Steers Inc.	374,487	28,360
	Janus Henderson Group plc FirstCash Holdings Inc.	1,973,542 547,133	59,502 59,304		Renasant Corp. WesBanco Inc.	821,118 877,215	27,655 27,518
*	Enstar Group Ltd.	197,280	59,304 58,069	*	Goosehead Insurance Inc. Class A	359,128	27,218
	Lazard Ltd. Class A	1,665,726	57,967		Virtu Financial Inc. Class A	1,326,852	26,882
	First Financial Bankshares Inc.	1,910,841	57,898	*,1	Hocket Cos. Inc. Class A	1,855,903	26,873
	White Mountains Insurance Group Ltd.	37,178	55,953		Banner Corp.	501,512	26,861
	Moelis & Co. Class A	982,434	55,144		Independent Bank Group Inc. Banc of California Inc.	526,060	26,766
1	Walker & Dunlop Inc. Blackstone Mortgage Trust Inc. Class A	492,603 2,566,586	54,684 54,591		OFG Bancorp	1,968,036 692.829	26,431 25,967
	UMB Financial Corp.	642,264	53,661	*	Triumph Financial Inc.	319,418	25,611
	Jackson Financial Inc. Class A	1,038,198	53,156		Trustmark Corp.	892,865	24,893
	United Community Banks Inc.	1,775,780	51,959		City Holding Co.	223,310	24,622
	American Equity Investment Life Holding Co. Ameris Bancorp	909,354 951,093	50,742 50,455		Claros Mortgage Trust Inc. Lakeland Financial Corp.	1,806,267 377,661	24,619 24,608
*	Brighthouse Financial Inc.	944,451	49,980		Federal Agricultural Mortgage Corp. Class C	127,596	24,000
*,1	Credit Acceptance Corp.	92,934	49,509		Virtus Investment Partners Inc.	100,657	24,335
	Cathay General Bancorp	1,083,028	48,271		Enterprise Financial Services Corp.	544,047	24,292
	ServisFirst Bancshares Inc.	721,511	48,074	*	NCR Atleos Corp.	996,640	24,208
	Associated Banc-Corp	2,183,703	46,709		StepStone Group Inc. Class A	758,697	24,149
*	CNO Financial Group Inc. Texas Capital Bancshares Inc.	1,661,830 706,033	46,365 45,631	*	Bread Financial Holdings Inc. Enova International Inc.	733,028 436,037	24,146 24,139
1	Hannon Armstrong Sustainable Infrastructure Capital	700,000	40,001	*	Customers Bancorp Inc.	417,733	24,070
	Inc.	1,650,014	45,507		Hilltop Holdings Inc.	674,511	23,750
*	Artisan Partners Asset Management Inc. Class A	1,010,124	44,627		Stewart Information Services Corp.	402,816	23,665
*	Marqeta Inc. Class A Genworth Financial Inc. Class A	6,365,232 6,632,539	44,429 44,305	1	Ready Capital Corp.	2,300,189	23,577
*,1	Upstart Holdings Inc.	1,079,742	44,303 44,118		Northwest Bancshares Inc. Navient Corp.	1,880,207 1,237,202	23,465 23,037
	Kemper Corp.	889,827	43,308		First Commonwealth Financial Corp.	1,491,474	23,028
	International Bancshares Corp.	791,986	43,021		Nelnet Inc. Class A	260,761	23,004
	Federated Hermes Inc. Class B	1,269,090	42,971	*	Donnelley Financial Solutions Inc.	364,938	22,761
	First Hawaiian Inc.	1,876,298	42,892	*	BRP Group Inc. Class A	946,753	22,741
	Bank of Hawaii Corp. Independent Bank Corp.	586,160 643,532	42,473 42,351		Live Oak Bancshares Inc.  Apollo Commercial Real Estate Finance Inc.	492,462 1,903,333	22,407 22,345
1	Arbor Realty Trust Inc.	2,774,611	42,119		First Bancorp (XNGS)	601,987	22,345
*	Axos Financial Inc.	762,980	41,659		TriCo Bancshares	511,298	21,970
	BGC Group Inc. Class A	5,749,554	41,512		Westamerica Bancorp	388,954	21,941
	First Bancorp WSFS Financial Corp.	2,520,783 894,092	41,467 41,066		Heartland Financial USA Inc.	565,101	21,253
	Pacific Premier Bancorp Inc.	1,409,275	41,000	*	Hope Bancorp Inc. PROG Holdings Inc.	1,738,276 670,848	20,998 20,736
	Community Bank System Inc.	785,432	40,929	*	Palomar Holdings Inc.	373,435	20,736
	EVERTEC Inc.	988,802	40,482		FB Financial Corp.	518,856	20,676
	Atlantic Union Bankshares Corp.	1,099,416	40,173		Stock Yards Bancorp Inc.	400,315	20,612
	Fulton Financial Corp.	2,407,834	39,633		BancFirst Corp.	211,647	20,600
*	CVB Financial Corp. Remitly Global Inc.	1,951,636 2,026,130	39,404 39,347		National Bank Holdings Corp. Class A Pathward Financial Inc.	553,362 382,700	20,580 20,256
	Piper Sandler Cos.	220,565	38,570		Horace Mann Educators Corp.	609,165	19,920
	TPG Inc. Class A	880,529	38,012	*	Payoneer Global Inc.	3,819,041	19,897
	PennyMac Financial Services Inc.	425,799	37,628		Provident Financial Services Inc.	1,099,149	19,818
	First Interstate BancSystem Inc. Class A	1,218,236	37,461		S&T Bancorp Inc.	590,943	19,749
	Seacoast Banking Corp. of Florida Simmons First National Corp. Class A	1,289,666 1,846,708	36,704 36,639		First Busey Corp.	792,298	19,665
*	Flywire Corp.	1,565,967	36,252		Two Harbors Investment Corp. PennyMac Mortgage Investment Trust	1,405,293 1,303,728	19,576 19,491
*	NMI Holdings Inc. Class A	1,204,546	35,751	*	Oscar Health Inc. Class A	2,104,635	19,257
	BankUnited Inc.	1,094,317	35,489		Stellar Bancorp Inc.	685,779	19,092
	BOK Financial Corp.	412,815	35,358		Ladder Capital Corp. Class A	1,652,775	19,023
	PJT Partners Inc. Class A First Financial Bancorp	327,540 1,391,533	33,366 33,049	*	Sandy Spring Bancorp Inc.	689,285	18,776
	Eastern Bankshares Inc.	2,312,320	32,835		Cannae Holdings Inc. Victory Capital Holdings Inc. Class A	951,449 538,756	18,563 18,555
	First Merchants Corp.	875,369	32,459		Veritex Holdings Inc.	797,089	18,548
	WaFd Inc.	945,861	31,176	*	Encore Capital Group Inc.	351,980	17,863
*	AvidXchange Holdings Inc.	2,515,044	31,161		CNA Financial Corp.	400,478	16,944
-	Bancorp Inc. Towne Bank	797,065	30,735 30,569		MFA Financial Inc.	1,496,314	16,863
	NBT Bancorp Inc.	1,027,189 698,848	29,289		Safety Insurance Group Inc. Merchants Bancorp	219,487 391,293	16,679 16,661
*	StoneX Group Inc.	394,557	29,130		Chimera Investment Corp.	3,324,247	16,588
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		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
_	Franklin BSP Realty Trust Inc. Peoples Bancorp Inc.	1,218,586 483,837	16,463 16,334	_	Cass Information Systems Inc. Cambridge Bancorp	195,126 123,173	8,790 8,548
*	Skyward Specialty Insurance Group Inc.	479,191	16,235		Washington Trust Bancorp Inc.	263,756	8,540
*,1	Trupanion Inc.	527,419	16,092		Independent Bank Corp. (Michigan)	327,992	8,534
	Origin Bancorp Inc.	450,818	16,036		TrustCo Bank Corp.	273,563	8,494
	National Western Life Group Inc. Class A	32,960	15,920		Central Pacific Financial Corp.	420,936	8,284
*	SiriusPoint Ltd.	1,321,269	15,327		Mercantile Bank Corp.	200,736	8,106
	Berkshire Hills Bancorp Inc.	614,915	15,268	1	A-Mark Precious Metals Inc.	266,157	8,051
	OceanFirst Financial Corp.	875,977	15,207		Ares Commercial Real Estate Corp.	776,661	8,046
*	QCR Holdings Inc. PRA Group Inc.	260,129 579,350	15,189 15,179		Kearny Financial Corp. Flushing Financial Corp.	892,481 483,274	8,006 7,964
*,1	Lemonade Inc.	936,194	15,173	*	Columbia Financial Inc.	408,533	7,304
	Nicolet Bankshares Inc.	185,981	14,968	*	Coastal Financial Corp.	176,352	7,832
	Employers Holdings Inc.	379,671	14,959	1	HCI Group Inc.	88,678	7,750
1	Ellington Financial Inc.	1,165,705	14,816		Farmers National Banc Corp.	536,169	7,748
	Mercury General Corp.	395,016	14,738		Republic Bancorp Inc. Class A	139,443	7,692
1	BrightSpire Capital Inc. Class A	1,951,484	14,519		Perella Weinberg Partners Class A	628,273	7,684
1	ARMOUR Residential REIT Inc.	743,946	14,373	*	Diamond Hill Investment Group Inc.	46,332	7,672
*	Brookline Bancorp Inc. LendingClub Corp.	1,315,560 1,618,414	14,353 14,145		I3 Verticals Inc. Class A Peapack-Gladstone Financial Corp.	361,242 254,277	7,647 7,583
	German American Bancorp Inc.	432,732	14,145	1	Orchid Island Capital Inc.	899,093	7,563 7,579
	Lakeland Bancorp Inc.	939,523	13,896		American National Bankshares Inc.	152,480	7,433
	Eagle Bancorp Inc.	459,507	13,850		Southern Missouri Bancorp Inc.	137,592	7,346
	AMERISAFE Inc.	290,880	13,607		First Financial Corp.	168,086	7,233
	Dime Community Bancshares Inc.	503,172	13,550		First Foundation Inc.	746,965	7,231
	1st Source Corp.	241,441	13,267		CNB Financial Corp.	317,101	7,163
	Premier Financial Corp.	548,726	13,224		Northfield Bancorp Inc.	568,991	7,158
	Southside Bancshares Inc. Preferred Bank	420,278	13,163 13,096		Bar Harbor Bankshares United Fire Group Inc.	242,276	7,113 7,080
	Redwood Trust Inc.	179,281 1,753,092	12,990		Great Southern Bancorp Inc.	351,882 119,276	7,000
	Enact Holdings Inc.	441,260	12,748		Amalgamated Financial Corp.	262,251	7,075
*	Open Lending Corp.	1,476,335	12,564	*	Green Dot Corp. Class A	698,730	6,917
	First Bancshares Inc.	426,202	12,501		HarborOne Bancorp Inc.	571,808	6,850
	Capitol Federal Financial Inc.	1,923,023	12,403	*	World Acceptance Corp.	52,039	6,793
	ConnectOne Bancorp Inc.	537,336	12,310		Capital City Bank Group Inc.	228,680	6,730
	F&G Annuities & Life Inc.	267,490	12,305		Cantaloupe Inc.	906,356	6,716
	First Mid Bancshares Inc.	347,262	12,036	*	Shore Bancshares Inc.	469,235	6,687
	WisdomTree Inc. KKR Real Estate Finance Trust Inc.	1,722,621 882,387	11,938 11,674		EZCORP Inc. Class A Equity Bancshares Inc. Class A	763,399 196,324	6,672 6,655
	Tompkins Financial Corp.	193,772	11,674		Arrow Financial Corp.	238,003	6,650
	New York Mortgage Trust Inc.	1,358,928	11,592		P10 Inc. Class A	641,892	6,560
*	International Money Express Inc.	523,834	11,571		TPG RE Finance Trust Inc.	995,047	6,468
*	Ambac Financial Group Inc.	695,050	11,454		Invesco Mortgage Capital Inc.	689,915	6,113
	Bank First Corp.	124,322	10,774		Hingham Institution For Savings	31,039	6,034
	Heritage Financial Corp.	501,794	10,733		Summit Financial Group Inc.	195,596	6,003
1	TFS Financial Corp.	727,708	10,690		HomeTrust Bancshares Inc.	222,554	5,991
-	UWM Holdings Corp. Class A ProAssurance Corp.	1,477,057 754,883	10,561 10,410		Metrocity Bankshares Inc. MidWestOne Financial Group Inc.	248,335 221,299	5,965 5,955
	Amerant Bancorp Inc. Class A	418,223	10,410		Tiptree Inc. Class A	311,448	5,905
	Community Trust Bancorp Inc.	233,917	10,260	1	Burke & Herbert Financial Services Corp.	93,348	5,872
	Byline Bancorp Inc.	435,172	10,253		Macatawa Bank Corp.	508,999	5,742
	Dynex Capital Inc.	800,505	10,022		Universal Insurance Holdings Inc.	356,462	5,696
*	Repay Holdings Corp. Class A	1,151,557	9,834		ACNB Corp.	126,982	5,684
*	AssetMark Financial Holdings Inc.	324,642	9,723		Alerus Financial Corp.	248,710	5,569
	Old Second Bancorp Inc.	628,637	9,706		James River Group Holdings Ltd.	598,900	5,534
	Brightsphere Investment Group Inc. Business First Bancshares Inc.	500,936	9,598 9,349		Northeast Bank	98,294	5,425
	Midland States Bancorp Inc.	379,259 338,440	9,349	*	GCM Grosvenor Inc. Class A Forge Global Holdings Inc.	600,784 1,554,121	5,383 5,331
*	Metropolitan Bank Holding Corp.	167,115	9,255		SmartFinancial Inc.	211,954	5,331
	First Community Bankshares Inc.	249,094	9,241	1	B. Riley Financial Inc.	246,729	5,179
	Hanmi Financial Corp.	474,120	9,198		Granite Point Mortgage Trust Inc.	871,777	5,178
	Heritage Commerce Corp.	924,810	9,174		Esquire Financial Holdings Inc.	103,407	5,166
*	Univest Financial Corp.	416,366	9,173	_	Citizens & Northern Corp.	225,043	5,048
*	NerdWallet Inc. Class A	608,608	8,959	*	Moneylion Inc.	79,895	5,009
	Horizon Bancorp Inc. Camden National Corp.	625,516 237,527	8,951 8,938		Carter Bankshares Inc. Capstar Financial Holdings Inc.	334,514 265,424	5,008 4 974
*	CrossFirst Bankshares Inc.	237,527 657,435	8,938 8,928		Capstar Financial Holdings Inc. Mid Penn Bancorp Inc.	205,424 204,439	4,974 4,964
	5.5551 not burnorial to mit.	007,400	0,020		a roun bandorp inc.	204,400	7,004

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
1	NewtekOne Inc.	350,809	4,841		First Internet Bancorp	117,894	2,852
*	LendingTree Inc.	158,617	4,809	*	Ocwen Financial Corp.	92,076	2,832
	Financial Institutions Inc.	224,124	4,774	* 1	AFC Gamma Inc.	235,118	2,828
*	HBT Financial Inc.	222,075	4,688	*,1	American Coastal Insurance Corp.	293,947	2,781
	Bridgewater Bancshares Inc.	342,495	4,631		Oak Valley Bancorp	92,100	2,758
	Home Bancorp Inc. Federal Agricultural Mortgage Corp. Class A	110,046 29,419	4,623 4,622		LINKBANCORP Inc. HomeStreet Inc.	345,977 267,514	2,757 2,755
*	Paymentus Holdings Inc. Class A	258,184	4,614		Ames National Corp.	128,938	2,752
	South Plains Financial Inc.	158,578	4,592		Bankwell Financial Group Inc.	90,469	2,730
	Orrstown Financial Services Inc.	155,308	4,582		Parke Bancorp Inc.	134,688	2,727
	Peoples Financial Services Corp.	93,073	4,533		Princeton Bancorp Inc.	75,716	2,718
*	Southern First Bancshares Inc.	122,020	4,527	*	Atlanticus Holdings Corp.	70,011	2,707
*	Northrim Bancorp Inc.	78,554	4,494		National Bankshares Inc.	83,624	2,705
	Greenlight Capital Re Ltd. Class A First Bank	389,372 299,982	4,447 4,410		ChoiceOne Financial Services Inc. Southern States Bancshares Inc.	92,210 91,779	2,702 2,687
	FS Bancorp Inc.	119,191	4,410		Greene County Bancorp Inc.	94,636	2,669
	Bridge Investment Group Holdings Inc. Class A	437,436	4,278		Western New England Bancorp Inc.	293,220	2,639
	Sierra Bancorp	189,219	4,267		Chemung Financial Corp.	52,844	2,632
	Northeast Community Bancorp Inc.	239,956	4,257	*	FVCBankcorp Inc.	184,619	2,622
	First of Long Island Corp.	319,955	4,236	*,1	Bakkt Holdings Inc.	1,170,281	2,610
	Oppenheimer Holdings Inc. Class A	102,492	4,235	*	Evans Bancorp Inc.	81,839	2,580
	West Bancorp Inc. John Marshall Bancorp Inc.	199,380 184,802	4,227 4,169	*	California Bancorp IoanDepot Inc. Class A	104,001 730,250	2,575 2,570
	BayCom Corp.	175,600	4,103		ESSA Bancorp Inc.	125,382	2,510
	MBIA Inc.	673,006	4,119		Medallion Financial Corp.	254,706	2,509
	Five Star Bancorp	155,233	4,064		Donegal Group Inc. Class A	178,372	2,495
	Bank of Marin Bancorp	183,391	4,038	*	Selectquote Inc.	1,811,793	2,482
	Citizens Financial Services Inc.	61,514	3,981		Unity Bancorp Inc.	82,977	2,455
	Guaranty Bancshares Inc.	118,344	3,979	*	Provident Bancorp Inc.	242,279	2,440
	Farmers & Merchants Bancorp Inc. First Business Financial Services Inc.	159,712 96,456	3,961 3,868	*	Velocity Financial Inc. Acacia Research Corp.	138,380 604,723	2,383 2,371
	Civista Bancshares Inc.	208,665	3,848		Seven Hills Realty Trust	180,973	2,342
	Enterprise Bancorp Inc.	118,864	3,835		First Northwest Bancorp	144,883	2,309
*,1	Better Home & Finance Holding Co.	4,616,288	3,769	*	Maiden Holdings Ltd.	1,008,288	2,309
	Waterstone Financial Inc.	264,044	3,749		First United Corp.	97,981	2,304
	Red River Bancshares Inc.	65,999	3,703	* 1	Hawthorn Bancshares Inc.	90,769	2,303
	RBB Bancorp	192,099	3,658	*,1	rangerray ranancial convictor inc.	271,673	2,282
*	Primis Financial Corp. Third Coast Bancshares Inc.	286,218 181,078	3,624 3,598		Virginia National Bankshares Corp. First Community Corp.	66,254 104,001	2,278 2,239
	Regional Management Corp.	142,217	3,567	1	BV Financial Inc.	157,520	2,234
	Timberland Bancorp Inc.	113,358	3,566		Sachem Capital Corp.	587,332	2,197
	Fidelity D&D Bancorp Inc.	61,342	3,560		MainStreet Bancshares Inc.	87,327	2,167
*	Blue Foundry Bancorp	366,870	3,548		Penns Woods Bancorp Inc.	95,148	2,142
	MVB Financial Corp.	156,736	3,536		LCNB Corp.	135,142	2,131
	Crawford & Co. Class B Investors Title Co.	265,090	3,467 3,445		Nexpoint Real Estate Finance Inc.  OP Bancorp	132,816	2,092 2,051
*	eHealth Inc.	21,248 393,743	3,443	*	Finwise Bancorp	187,294 142,628	2,031
	Codorus Valley Bancorp Inc.	133,541	3,432		Silvercrest Asset Management Group Inc. Class A	119,306	2,028
*	Heritage Insurance Holdings Inc.	522,196	3,405	*,1		220,076	2,007
	Colony Bankcorp Inc.	255,862	3,403		Peoples Bancorp of North Carolina Inc.	66,460	2,006
	Orange County Bancorp Inc.	56,424	3,399		Meridian Corp.	143,789	1,999
*,1	Hagerty Inc. Class A	421,916	3,291		William Penn Bancorp	163,334	1,994
	Norwood Financial Corp.	99,904	3,288	*	Great Ajax Corp.	372,803	1,976
	Middlefield Banc Corp. PCB Bancorp	101,429 176,970	3,283 3,262		Security National Financial Corp. Class A BankFinancial Corp.	218,152 185,100	1,963 1,899
	First Bancorp Inc.	115,481	3,259		Riverview Bancorp Inc.	296,607	1,898
	AG Mortgage Investment Trust Inc.	505,496	3,210	*	First Western Financial Inc.	95,670	1,897
	Chicago Atlantic Real Estate Finance Inc.	198,268	3,208		Investar Holding Corp.	122,875	1,832
*	Ponce Financial Group Inc.	322,732	3,150	1	Associated Capital Group Inc. Class A	51,110	1,825
1	Angel Oak Mortgage REIT Inc.	296,836	3,146	*	Franklin Financial Services Corp.	57,198	1,805
	Central Valley Community Bancorp	139,636	3,121	-	Luther Burbank Corp.	167,843	1,798
	C&F Financial Corp.	44,566 73.314	3,039 3,032		Richmond Mutual Bancorp Inc.	155,139 282 174	1,786 1,730
*,1	Plumas Bancorp AlTi Global Inc.	73,314 345,322	3,032 3,025	1	Ellington Residential Mortgage REIT Cherry Hill Mortgage Investment Corp.	282,174 426,678	1,730 1,724
	Capital Bancorp Inc.	122,877	2,974		Crawford & Co. Class A	129,758	1,724
*	Southern California Bancorp	170,797	2,963		Citizens Community Bancorp Inc.	145,525	1,704
	BCB Bancorp Inc.	227,746	2,927	*,1	Citizens Inc. Class A	626,169	1,684

		Shares	Market Value* (\$000)			Shares	Market Value• (\$000)
*	ECB Bancorp Inc.	133,850	1,676		First Seacoast Bancorp	62,608	473
	First National Corp.	76,797	1,670	*,	<sup>1</sup> Beneficient Class A	962,056	468
	Hanover Bancorp Inc.	93,997	1,658	*	Usio Inc.	234,439	403
	FNCB Bancorp Inc.	236,131	1,603		Hennessy Advisors Inc.	58,395	392
*	Sterling Bancorp Inc.	269,676	1,556	*	Broadway Financial Corp.	58,791	390
*,1	SR Bancorp Inc.	161,257	1,542	*	Bright Health Group Inc.	47,738	364
*	USCB Financial Holdings Inc.	125,822	1,541	*	FlexShopper Inc.	194,566	325
*	Oportun Financial Corp.	391,650	1,531	*,	Approach aymente corp.	149,801	298
*	SB Financial Group Inc.	99,089	1,510	*	BM Technologies Inc.	144,374	296
	NI Holdings Inc.	115,761	1,504	*	Vericity Inc.	26,227	293
	Territorial Bancorp Inc. United Security Bancshares	133,227	1,485		Bogota Financial Corp.	34,929	281
	CB Financial Services Inc.	173,552 60,900	1,460 1,451	*	Texas Community Bancshares Inc. Kingstone Cos. Inc.	20,004 123,172	281 262
	Eagle Bancorp Montana Inc.	91,045	1,431	*,		150,413	252
	Union Bankshares Inc.	46,833	1,435	*	OptimumBank Holdings Inc.	59,642	248
	Westwood Holdings Group Inc.	113,259	1,424	*	Curo Group Holdings Corp.	301,842	241
	First Financial Northwest Inc.	103,807	1,399		Kentucky First Federal Bancorp	53,070	237
*	Paysign Inc.	496,392	1,390	*	NSTS Bancorp Inc.	25,211	237
	HMN Financial Inc.	58,871	1,354		Atlantic American Corp.	88,541	211
	Bank7 Corp.	49,485	1,353		Safeguard Scientifics Inc.	237.965	187
*	Consumer Portfolio Services Inc.	143,922	1,349	*,		96,992	170
	First Savings Financial Group Inc.	78,751	1,323	*	PB Bankshares Inc.	13,314	167
	Lument Finance Trust Inc.	561,340	1,308		Home Federal Bancorp Inc. of Louisiana	10,855	161
	Community West Bancshares	73,860	1,284	*	Ryvyl Inc.	35,394	148
	Guild Holdings Co. Class A	89,635	1,263	*	Carver Bancorp Inc.	71,288	140
	CF Bankshares Inc.	62,612	1,232		Village Bank & Trust Financial Corp.	3,075	123
*,1	Caret Holdings Inc. Class A	115,414	1,210	*,	OLB Group Inc.	112,818	120
	First Capital Inc.	44,229	1,207	*	Income Opportunity Realty Investors Inc.	8,889	119
*	Heritage Global Inc.	432,887	1,203	*	Ashford Inc.	25,046	92
	Ohio Valley Banc Corp.	52,282	1,202	*	Oxbridge Re Holdings Ltd.	85,132	90
	Finward Bancorp	47,585	1,190		Glen Burnie Bancorp	12,750	78
	Provident Financial Holdings Inc.	92,550	1,167	*	FG Financial Group Inc.	47,116	73
*	SWK Holdings Corp.	65,383	1,146	*	Patriot National Bancorp Inc.	18,164	70
*,1	Оррг г пто.	221,110	1,132	*,	Livi i dilang / wiloned ilio.	99,032	61
	Magyar Bancorp Inc.	97,998	1,098	*	Lake Shore Bancorp Inc.	4,543	53
*	Pioneer Bancorp Inc.	106,991	1,071	*,	Crit Freduings title.	37,415	53
	MarketWise Inc.	392,321	1,071	*	Hallmark Financial Services Inc.	44,543	45
	Catalyst Bancorp Inc.	96,306	1,044	* -	Cohen & Co. Inc.	4,688	31
	Sound Financial Bancorp Inc.	26,610	1,038	*,	Contrain land Banconards inc.	3,046	31
	Summit State Bank	84,229	1,011	*	Sezzie IIIC.	1,414	29
*	First Guaranty Bancshares Inc.	90,349	1,005	*,	ICC Holdings Inc.	1,786	27
	ACRES Commercial Realty Corp.	103,938	1,000	*	Cornier Flordings inc.	25,019	26
	Old Point Financial Corp.	54,136	960	*,	Reliance Global Group Inc.	40,514	22
*	Landmark Bancorp Inc.	49,361	957	*	Netcapital IIIc.	52,818	11
*	GoHealth Inc. Class A	70,226	937 920	*	CFSB Bancorp Inc. Mill City Ventures III Ltd.	1,166 492	7 1
	Priority Technology Holdings Inc.	258,431 76,015	914	*	Marygold Cos. Inc.	492 81	ı
*	Bank of the James Financial Group Inc. Affinity Bancshares Inc.	55,412	885		ivial ygold Cos. Inc.	-	
	United Bancorp Inc.	67,493	860				16,822,862
	First US Bancshares Inc.	79,463	844	Н	ealth Care (11.8%)		
*	Rhinebeck Bancorp Inc.	100,699	811		Veeva Systems Inc. Class A	2,160,260	415,893
*	1895 Bancorp of Wisconsin Inc.	113,359	784		Alnylam Pharmaceuticals Inc.	1,857,453	355,535
	AmeriSery Financial Inc.	234,364	758		BioMarin Pharmaceutical Inc.	2,778,508	267,904
*	Nicholas Financial Inc.	107,044	731		Avantor Inc.	10,009,199	228,510
	Bayfirst Financial Corp.	56,203	728	*	Exact Sciences Corp.	2,673,070	197,754
	Cullman Bancorp Inc.	63,750	686	*	Neurocrine Biosciences Inc.	1,449,469	190,982
	Blue Ridge Bankshares Inc.	210,890	639		Karuna Therapeutics Inc.	528,202	167,181
	US Global Investors Inc. Class A	226,209	638	*	Royalty Pharma plc Class A	5,657,156	158,910
	Auburn National Bancorp Inc.	29,637	631	*	United Therapeutics Corp.	691,811	152,122
	TC Bancshares Inc.	46,125	631	*	Penumbra Inc.	570,848 769.252	143,591
	IF Bancorp Inc.	37,943	612	*	Repligen Corp. Sarepta Therapeutics Inc.	768,353 1,382,099	138,150 133,276
*	Generations Bancorp NY Inc.	58,856	601		Chemed Corp.	222,962	133,276
	Value Line Inc.	10,321	503	*	Cytokinetics Inc.	1,470,192	122,746
	Pathfinder Bancorp Inc.	36,034	498	*	Jazz Pharmaceuticals plc	930,162	114,410
*	Finance of America Cos. Inc. Class A	445,632	490	*	Tenet Healthcare Corp.	1,502,690	113,558
	Manhattan Bridge Capital Inc.	97,338	484	*	Exelixis Inc.	4,598,447	110,317
*	Katapult Holdings Inc.	43,485	475	*	Elanco Animal Health Inc.	7,277,489	108,435
						1,211,700	100,400

			Market				Market
		Shares	Value* (\$000)			Shares	Value* (\$000)
*	Ionis Pharmaceuticals Inc.	2,113,781	106,936	*	Denali Therapeutics Inc.	1,828,280	39,235
*	ImmunoGen Inc.	3,584,179	106,271	*	Cymabay Therapeutics Inc.	1,627,908	38,451
*	Acadia Healthcare Co. Inc.	1,363,578	106,032	*	TransMedics Group Inc.	483,244	38,142
*	Medpace Holdings Inc. Natera Inc.	345,721 1,678,193	105,974 105,122		Pacific Biosciences of California Inc. Select Medical Holdings Corp.	3,701,856 1,544,837	36,315 36,304
*	Shockwave Medical Inc.	547,918	103,122	*	TG Therapeutics Inc.	2,103,543	35,929
	Bruker Corp.	1,371,516	104,411		Patterson Cos. Inc.	1,253,424	35,660
	Encompass Health Corp.	1,487,877	99,271	*	Ideaya Biosciences Inc.	984,155	35,016
*	Intra-Cellular Therapies Inc.	1,322,189	94,695	*	Immunovant Inc.	827,599	34,867
	Ensign Group Inc.	834,653	93,656	*	Privia Health Group Inc.	1,512,913	34,842
*	Globus Medical Inc. Class A	1,712,140	91,240	*	Surgery Partners Inc.	1,085,059	34,711
	Apellis Pharmaceuticals Inc.	1,510,528	90,420	*	Amphastar Pharmaceuticals Inc.	559,496	34,605
*	Inspire Medical Systems Inc.	437,495	89,000	*	Nuvalent Inc. Class A	468,846	34,502
*	Option Care Health Inc. 10X Genomics Inc. Class A	2,621,818 1,542,689	88,329 86,329	*	Rhythm Pharmaceuticals Inc. SpringWorks Therapeutics Inc.	737,287 926,846	33,893 33,830
*	HealthEquity Inc.	1,266,880	83,994	*	Arvinas Inc.	811,090	33,384
*	Blueprint Medicines Corp.	897,108	82,749	*	CorVel Corp.	133,039	32,889
*	Vaxcyte Inc.	1,297,528	81,485	*	Celldex Therapeutics Inc.	805,156	31,932
*	Masimo Corp.	661,072	77,484	*	Rocket Pharmaceuticals Inc.	1,048,472	31,423
*	Bridgebio Pharma Inc.	1,913,425	77,245	*	Twist Bioscience Corp.	845,365	31,160
*,1	CRISPR Therapeutics AG	1,180,348	73,890	*	RadNet Inc.	889,860	30,940
*	Halozyme Therapeutics Inc.	1,950,336	72,084	*	R1 RCM Inc.	2,922,879	30,895
*	Alkermes plc	2,457,722	68,177	*	PTC Therapeutics Inc.	1,112,490	30,660
*	Insmed Inc. Merit Medical Systems Inc.	2,115,162 851,939	65,549 64,713	*	NeoGenomics Inc. Crinetics Pharmaceuticals Inc.	1,882,332 850,816	30,456 30,272
	Perrigo Co. plc	2,010,745	64,713	*	ICU Medical Inc.	299,404	29,863
*	Haemonetics Corp.	751,477	64,259	*	Veracyte Inc.	1,065,629	29,315
*	Lantheus Holdings Inc.	1,013,601	62,843	*	Beam Therapeutics Inc.	1,069,404	29,109
*	Envista Holdings Corp.	2,561,192	61,622	*	Schrodinger Inc.	808,338	28,939
*	Ultragenyx Pharmaceutical Inc.	1,245,373	59,554	*	Tandem Diabetes Care Inc.	963,593	28,503
*	Neogen Corp.	2,908,603	58,492	*	Certara Inc.	1,583,116	27,847
*	Azenta Inc.	893,200	58,183	*	PROCEPT BioRobotics Corp.	657,385	27,551
*	Glaukos Corp. Evolent Health Inc. Class A	719,552 1,721,128	57,197 56,849	*	Viking Therapeutics Inc.  Dynavax Technologies Corp.	1,477,775 1,887,744	27,501 26,391
*	Amicus Therapeutics Inc.	3,985,172	56,550	*	Iovance Biotherapeutics Inc.	3,229,262	26,254
*	agilon health Inc.	4,467,958	56,073	*	Arcellx Inc.	467,560	25,950
*	Roivant Sciences Ltd.	4,945,232	55,535	*	Myriad Genetics Inc.	1,353,919	25,914
*	Cerevel Therapeutics Holdings Inc.	1,307,710	55,447	*	Omnicell Inc.	670,359	25,226
*	ACADIA Pharmaceuticals Inc.	1,763,726	55,222	*	AtriCure Inc.	697,123	24,880
	Organon & Co.	3,797,487	54,760	*	Sotera Health Co.	1,476,104	24,872
*	REVOLUTION Medicines Inc.	1,907,787	54,715	*	Vericel Corp.	698,335	24,868
*	QuidelOrtho Corp.  Madrigal Pharmaceuticals Inc.	735,956 230,050	54,240 53,229	*	Catalyst Pharmaceuticals Inc. Syndax Pharmaceuticals Inc.	1,467,617 1,129,756	24,671 24,414
*	Teladoc Health Inc.	2,454,306	52,890	*	Apollo Medical Holdings Inc.	624,592	23,922
*	Mirati Therapeutics Inc.	867,446	50,962	*	Supernus Pharmaceuticals Inc.	801,029	23,322
	CONMED Corp.	453,242	49,635	*	Ironwood Pharmaceuticals Inc. Class A	2,022,686	23,140
*	Doximity Inc. Class A	1,760,371	49,361	*	Pacira BioSciences Inc.	679,715	22,934
*	Inari Medical Inc.	756,542	49,115	*,1	Recursion Pharmaceuticals Inc. Class A	2,322,930	22,904
*	Integer Holdings Corp.	491,096	48,658	*	STAAR Surgical Co.	720,136	22,475
*	iRhythm Technologies Inc.	452,507	48,436	*	Addus HomeCare Corp.	239,452	22,233
*	Arrowhead Pharmaceuticals Inc. Guardant Health Inc.	1,580,055	48,350	*	Ardelyx Inc.	3,553,133	22,029
*	Axonics Inc.	1,744,191 747,371	47,180 46,509	*	Owens & Minor Inc. Novocure Ltd.	1,130,669 1,440,175	21,788 21,502
*	Krystal Biotech Inc.	372,789	46,248	*	Alphatec Holdings Inc.	1,420,369	21,462
*	Prestige Consumer Healthcare Inc.	753,236	46,113	*	Prothena Corp. plc	573,906	20,856
*	Fortrea Holdings Inc.	1,318,012	45,999		US Physical Therapy Inc.	219,499	20,444
*	Progyny Inc.	1,229,604	45,717	*	Protagonist Therapeutics Inc.	842,744	19,324
*,1	Axsome Therapeutics Inc.	571,245	45,465	*	BioCryst Pharmaceuticals Inc.	3,225,610	19,321
*	Amedisys Inc.	476,624	45,308	*	Xencor Inc.	907,473	19,266
* *,1	Integra LifeSciences Holdings Corp.	1,014,341	44,175	*	Hims & Hers Health Inc.	2,154,925	19,179
*	Corcept Therapeutics Inc.	1,327,129	43,105	*	Akero Therapeutics Inc.	816,657	19,069
*	AMN Healthcare Services Inc. Biohaven Ltd.	558,749	41,839		UFP Technologies Inc. National HealthCare Corp.	105,813	18,204 18,176
*	LivaNova plc	962,003 794,548	41,174 41,110	*	Agios Pharmaceuticals Inc.	196,672 815,904	18,176
*	Enovis Corp.	733,237	41,110	*	Phreesia Inc.	768,441	17,789
*	Intellia Therapeutics Inc.	1,312,473	40,017	*,1	Mirum Pharmaceuticals Inc.	601,321	17,751
	Premier Inc. Class A	1,767,880	39,530	*	Ligand Pharmaceuticals Inc.	241,757	17,266

			Market Value*				Market Value*
		Shares	(\$000)			Shares	(\$000)
*	Morphic Holding Inc. Veradigm Inc.	594,232 1,629,497	17,161 17,093	*,1	OraSure Technologies Inc. Novavax Inc.	1,107,698 1,857,725	9,083 8,917
*	Sage Therapeutics Inc.	774,359	16,780	*	Travere Therapeutics Inc.	986,637	8,870
*	Kura Oncology Inc.	1,166,602	16,776	*	Amylyx Pharmaceuticals Inc.	599,556	8,825
*	Viridian Therapeutics Inc.	765,362	16,670		National Research Corp.	221,261	8,753
*	RayzeBio Inc.	266,077	16,542	*	AdaptHealth Corp. Class A	1,200,424	8,751
*	LeMaitre Vascular Inc. Brookdale Senior Living Inc.	290,878 2,835,774	16,510 16,504	*,1	Icosavax Inc. Altimmune Inc.	554,604 776,639	8,741 8,737
*	Harmony Biosciences Holdings Inc.	498,577	16,104	*	MacroGenics Inc.	904,631	8,703
	Embecta Corp.	849,848	16,088	*	OmniAb Inc.	1,395,356	8,609
*	Avanos Medical Inc.	693,911	15,564	*	Fulgent Genetics Inc.	296,740	8,579
*	MiMedx Group Inc.	1,730,276	15,175	*	Castle Biosciences Inc.	394,224	8,507
*	Arcus Biosciences Inc.	784,288	14,980	*	Treace Medical Concepts Inc. ModivCare Inc.	664,694	8,475
*	Kymera Therapeutics Inc. Relay Therapeutics Inc.	586,527 1,344,307	14,933 14,801	*	Tarsus Pharmaceuticals Inc.	192,481 414,257	8,467 8,389
*	Geron Corp.	6,928,820	14,620	*	BioLife Solutions Inc.	513,794	8,349
*	Inhibrx Inc.	382,499	14,535	*,1	Apogee Therapeutics Inc.	298,001	8,326
*	Pliant Therapeutics Inc.	800,058	14,489	*	Vera Therapeutics Inc. Class A	534,577	8,222
*	Collegium Pharmaceutical Inc.	470,038	14,468	*	Surmodics Inc.	224,931	8,176
*	MannKind Corp. ADMA Biologics Inc.	3,960,964 3,130,198	14,418 14,148	*	Adaptive Biotechnologies Corp.  Marinus Pharmaceuticals Inc.	1,662,205 746,163	8,145 8,111
*	Keros Therapeutics Inc.	354,752	14,146		Mesa Laboratories Inc.	76,258	7,990
*	Quanterix Corp.	511,944	13,997	*	Enhabit Inc.	770,635	7,976
*	Deciphera Pharmaceuticals Inc.	867,019	13,985	*	OrthoPediatrics Corp.	244,041	7,934
*	Cytek Biosciences Inc.	1,514,056	13,808		Atrion Corp.	20,849	7,897
*	RxSight Inc.	341,774	13,780	*	Health Catalyst Inc.	852,732	7,896
*	Scholar Rock Holding Corp. Innoviva Inc.	732,147 847,586	13,764 13,595	*	Kiniksa Pharmaceuticals Ltd. Class A GoodRx Holdings Inc. Class A	448,044 1,166,570	7,859 7,816
*	Vir Biotechnology Inc.	1,316,136	13,240	*	Alector Inc.	967,033	7,010
*,1	Cassava Sciences Inc.	584,288	13,152	*	PetIQ Inc. Class A	385,606	7,616
*	ANI Pharmaceuticals Inc.	234,772	12,945	*,1	Tango Therapeutics Inc.	755,651	7,481
*	Alignment Healthcare Inc.	1,502,439	12,936	*	HilleVax Inc.	466,044	7,480
*	Editas Medicine Inc.	1,276,851	12,935	*	Dyne Therapeutics Inc.	560,103	7,449
*	Zentalis Pharmaceuticals Inc. Varex Imaging Corp.	845,205 620,701	12,805 12,724	*	Zimvie Inc. Pulmonx Corp.	416,924 576,140	7,400 7,346
*	Accolade Inc.	1,057,933	12,724	*	Paragon 28 Inc.	589,374	7,346
*	Day One Biopharmaceuticals Inc.	866,111	12,645	*	Orthofix Medical Inc.	541,502	7,299
*,1	Cabaletta Bio Inc.	549,179	12,466	*	DocGo Inc.	1,305,623	7,298
*	EyePoint Pharmaceuticals Inc.	528,857	12,222	*	MaxCyte Inc.	1,521,080	7,149
*	Revance Therapeutics Inc. RAPT Therapeutics Inc.	1,343,203 469,851	11,807 11,676	*	Silk Road Medical Inc. Edgewise Therapeutics Inc.	576,141 639,497	7,069 6,996
*	SI-BONE Inc.	553,188	11,611	*,1	Cargo Therapeutics Inc.	302,109	6,994
*	Cross Country Healthcare Inc.	509,591	11,537	*	Nurix Therapeutics Inc.	677,350	6,990
*	Arcturus Therapeutics Holdings Inc.	362,192	11,420	*	Definitive Healthcare Corp. Class A	702,683	6,985
*,1	Nevro Corp.	530,009	11,406	*	Evolus Inc.	650,114	6,846
*	ImmunityBio Inc. Pediatrix Medical Group Inc.	2,258,827 1,212,967	11,339	*	Caribou Biosciences Inc. Replimune Group Inc.	1,188,817 793,265	6,812 6,687
*	CryoPort Inc.	728,094	11,281 11,278	*	Cogent Biosciences Inc.	1,120,809	6,590
*,1	Anavex Life Sciences Corp.	1,204,329	11,212	*	Savara Inc.	1,366,733	6,424
*	Olema Pharmaceuticals Inc.	795,170	11,156	*	Cerus Corp.	2,860,886	6,180
	Simulations Plus Inc.	244,753	10,953	*	Pennant Group Inc.	443,966	6,180
*	Alpine Immune Sciences Inc.	573,017	10,922	*,1 *	ALX Oncology Holdings Inc.	411,842	6,132
*,1	Maravai LifeSciences Holdings Inc. Class A LifeStance Health Group Inc.	1,641,089 1,367,858	10,749 10,710	*	Community Health Systems Inc. Avid Bioservices Inc.	1,949,719 937,880	6,103 6,096
*	REGENXBIO Inc.	592,302	10,632	*	Cullinan Oncology Inc.	592,731	6,040
*	89bio Inc.	948,366	10,593	*,1	Allogene Therapeutics Inc.	1,874,591	6,017
*	Disc Medicine Inc.	180,983	10,454	*	SomaLogic Inc.	2,368,415	5,992
*	Verve Therapeutics Inc.	731,786	10,201	*	ORIC Pharmaceuticals Inc.	646,955	5,952
-	Artivion Inc.	568,947	10,173	*	American Well Corp. Class A	3,927,914	5,853 5,761
*	HealthStream Inc. CareDx Inc.	369,988 822,434	10,001 9,869	*	Sana Biotechnology Inc. AnaptysBio Inc.	1,412,124 268,589	5,761 5,753
*	OPKO Health Inc.	6,425,774	9,703	*	Multiplan Corp.	3,972,628	5,753
*	Amneal Pharmaceuticals Inc.	1,565,530	9,503	*,1	Immunome Inc.	520,857	5,573
*,1	Liquidia Corp.	780,374	9,388	*,1	Theravance Biopharma Inc.	493,808	5,550
*,1	Soleno Therapeutics Inc.	231,926	9,335	*	Aura Biosciences Inc.	625,125	5,539
*	4D Molecular Therapeutics Inc. Avidity Biosciences Inc.	460,330 1,027,349	9,326 9,298		AN2 Therapeutics Inc. iRadimed Corp.	266,753 114,230	5,466 5,422
	Avialty Diosciences inc.	1,027,040	3,230		maaimea corp.	114,230	3,422

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Talkspace Inc.	2,109,352	5,358	*	Akebia Therapeutics Inc.	2,602,859	3,228
*	Ocular Therapeutix Inc.	1,187,296	5,295	*	Y-mAbs Therapeutics Inc.	467,252	3,187
*	Avita Medical Inc.	383,650	5,264	*,1 *	Pulse Biosciences Inc.	257,244	3,149
*	Sharecare Inc.	4,858,465	5,247	*	TScan Therapeutics Inc.	535,193	3,120
*	Anika Therapeutics Inc. Astria Therapeutics Inc.	230,873 676,567	5,232 5,196	*,1	Codexis Inc. Lineage Cell Therapeutics Inc.	1,012,856 2,814,846	3,089 3,068
*,1	Prime Medicine Inc.	581,890	5,156	*,1	Omeros Corp.	935,998	3,061
*	CVRx Inc.	163,802	5,150		SIGA Technologies Inc.	543,594	3,044
*	Harrow Inc.	459,070	5,142	*,1	Invivyd Inc.	772,171	3,042
*,1	KalVista Pharmaceuticals Inc.	418,295	5,124	*	Praxis Precision Medicines Inc.	135,958	3,029
*	Biomea Fusion Inc. Tactile Systems Technology Inc.	350,703 352,892	5,092 5,046	*	Biote Corp. Class A Zevra Therapeutics Inc.	607,184 456,805	2,999 2,992
*,1	Arcutis Biotherapeutics Inc.	1,553,202	5,040	*	Augmedix Inc.	508,063	2,972
*,1	Clover Health Investments Corp. Class A	5,211,712	4,962	*,1	Verastem Inc.	360,608	2,935
*	AngioDynamics Inc.	631,882	4,954	*	InfuSystem Holdings Inc.	277,339	2,923
1	Gyre Therapeutics Inc.	192,756	4,952	*	Harvard Bioscience Inc.	541,041	2,895
*	Tourmaline Bio Inc. WaVe Life Sciences Ltd.	188,724	4,941	*,1	Inozyme Pharma Inc. CorMedix Inc.	679,651 768,400	2,895
*	Fulcrum Therapeutics Inc.	972,693 723.720	4,912 4,885	*,2	PDL BioPharma Inc.	768,400 1,757,467	2,889 2,830
*,1	Summit Therapeutics Inc.	1,833,035	4,784	*,1	Tyra Biosciences Inc.	204,211	2,828
*,1	Phathom Pharmaceuticals Inc.	515,707	4,708	*,1	Janux Therapeutics Inc.	260,788	2,798
*	Xeris Biopharma Holdings Inc.	1,992,277	4,682	*	Nkarta Inc.	423,359	2,794
*,1	Esperion Therapeutics Inc.	1,548,929	4,631		Taysha Gene Therapies Inc.	1,574,468	2,787
*	Coherus Biosciences Inc. Lyell Immunopharma Inc.	1,386,427	4,617	*,1 *	Harpoon Therapeutics Inc. Allakos Inc.	243,339	2,767 2,757
*,1	Scilex Holding Co.	2,326,975 2,196,019	4,514 4,480	*	Nuvation Bio Inc.	1,009,952 1,822,077	2,757 2,751
*	uniQure NV	661,493	4,478	*	Merrimack Pharmaceuticals Inc.	203,398	2,728
*	Fate Therapeutics Inc.	1,183,817	4,427	*,1	Vistagen Therapeutics Inc.	523,901	2,693
*,1	Neumora Therapeutics Inc.	257,011	4,382	*,1	Zomedica Corp.	13,413,683	2,685
*	Organogenesis Holdings Inc. Class A	1,063,924	4,351	*,1 *	Bluebird Bio Inc.	1,919,822	2,649
*	Axogen Inc. Entrada Therapeutics Inc.	634,944 287,212	4,337 4,334	*	Enanta Pharmaceuticals Inc. Gossamer Bio Inc.	280,040 2,866,985	2,635 2,616
*	Agenus Inc.	5,229,774	4,334	*	Aldeyra Therapeutics Inc.	735,041	2,510
*	iTeos Therapeutics Inc.	391,052	4,282	*	Annexon Inc.	567,390	2,576
*,1	Enliven Therapeutics Inc.	309,070	4,278	*	Bioventus Inc. Class A	488,385	2,574
*,1	Cibus Inc. Class A	217,052	4,263	*,1	Precigen Inc.	1,911,098	2,561
*	23andMe Holding Co. Class A	4,659,980	4,257	*,1 *	Gritstone bio Inc.	1,239,523	2,529
*,1	Arbutus Biopharma Corp. Senseonics Holdings Inc.	1,699,643 7,311,426	4,249 4,168	*,1	Standard BioTools Inc. IGM Biosciences Inc.	1,140,567 298,948	2,521 2,484
*,1	Aerovate Therapeutics Inc.	183,598	4,155	*	Erasca Inc.	1,163,464	2,478
*,1	ARS Pharmaceuticals Inc.	756,587	4,146	*,1	Quantum-Si Inc.	1,231,019	2,474
	Utah Medical Products Inc.	48,796	4,110	*	Computer Programs & Systems Inc.	220,691	2,472
*,1	Accuray Inc.	1,445,720	4,091	*,1	Puma Biotechnology Inc.	570,698	2,471
*	Korro Bio Inc. Agiliti Inc.	84,896 509.969	4,069 4,039	*	Lexicon Pharmaceuticals Inc. Ovid therapeutics Inc.	1,603,104 756,183	2,453 2,435
*	Outset Medical Inc.	739,581	4,001	*	Monte Rosa Therapeutics Inc.	428,201	2,433
*,1	Genelux Corp.	284,060	3,980	*	Applied Therapeutics Inc.	718,383	2,407
*,1	Orchestra BioMed Holdings Inc.	420,876	3,843	*	Humacyte Inc.	847,058	2,406
*,1	Shattuck Labs Inc.	524,658	3,741	*,1 *,1	Celcuity Inc.	164,135	2,391
*	OptimizeRx Corp. Atea Pharmaceuticals Inc.	260,729 1,212,939	3,731 3,699	*,1	Alimera Sciences Inc. Butterfly Network Inc.	538,980 2,150,862	2,328 2,323
*,1	C4 Therapeutics Inc.	654,520	3,698	*,1	Invitae Corp.	3,688,951	2,323
*	Vanda Pharmaceuticals Inc.	870,631	3,674	*	Sight Sciences Inc.	440,384	2,272
*	Voyager Therapeutics Inc.	432,867	3,653	*	Third Harmonic Bio Inc.	204,820	2,247
*	Rigel Pharmaceuticals Inc.	2,415,756	3,503	*,1 *	Zura Bio Ltd. Class A	474,460	2,216
*,1	Mersana Therapeutics Inc.	1,496,337	3,472	*	ClearPoint Neuro Inc.	318,881	2,165
*	Terns Pharmaceuticals Inc. ACELYRIN Inc.	532,520 461,739	3,456 3,445	*,1	Lexeo Therapeutics Inc. PDS Biotechnology Corp.	161,307 431,144	2,165 2,143
*	Sutro Biopharma Inc.	794,858	3,440	*	Larimar Therapeutics Inc.	469,540	2,143
*,1	2seventy bio Inc.	797,916	3,407	*,1	Verrica Pharmaceuticals Inc.	289,249	2,117
*,1	Heron Therapeutics Inc.	1,995,914	3,393	*,1	Immuneering Corp. Class A	287,918	2,116
* 1	Semler Scientific Inc.	75,585	3,348	*	Compass Therapeutics Inc.	1,342,627	2,095
*,1 *,1	Zynex Inc.	306,075	3,333	*,1	Joint Corp.	214,460	2,061
*	LifeMD Inc. Poseida Therapeutics Inc. Class A	401,560 984,240	3,329 3,307	*,1	Mind Medicine MindMed Inc. Stoke Therapeutics Inc.	551,691 380,755	2,019 2,003
	Phibro Animal Health Corp. Class A	281,737	3,263	*	Nautilus Biotechnology Inc. Class A	658,670	1,969
*,1	Absci Corp.	775,257	3,256	*	Lyra Therapeutics Inc.	375,661	1,968

			Market Value*				Market Value*
_		Shares	(\$000)	-		Shares	(\$000)
*,1	Black Diamond Therapeutics Inc.	681,201	1,914	*,1 *	Asensus Surgical Inc.	3,398,802	1,084
*	scPharmaceuticals Inc. Seres Therapeutics Inc.	305,088 1,361,249	1,913 1,906	*,1	FibroGen Inc. Vaxart Inc.	1,214,955 1,872,506	1,077 1,073
*	XOMA Corp.	102,406	1,895	*	Electromed Inc.	98,146	1,073
*,1	Annovis Bio Inc.	101,298	1,894	*	SCYNEXIS Inc.	479,862	1,071
*	G1 Therapeutics Inc.	614,860	1,875	*	ChromaDex Corp.	747,814	1,069
*,1	Inmune Bio Inc.	165,874	1,868	*	Design Therapeutics Inc.	399,505	1,059
*	Tenaya Therapeutics Inc.	572,369	1,854	*	Conduit Pharmaceuticals Inc.	231,299	1,052
*,1	Actinium Pharmaceuticals Inc.	364,779	1,853	*	Curis Inc.	81,306	1,037
*	FONAR Corp.	94,631	1,851	*	Inotiv Inc.	278,037	1,020
*	Inogen Inc.	331,291	1,819	*	Sangamo Therapeutics Inc.	1,876,120	1,019
*	Acumen Pharmaceuticals Inc.	472,172	1,813	*	Seer Inc. Class A	517,365	1,004
*,1	CEL - SCI Corp.	665,733	1,811	1	Carisma Therapeutics Inc.	342,628	1,004
*,1	Ocugen Inc.	3,138,869	1,805	*	Century Therapeutics Inc.	299,597	995
*	Inovio Pharmaceuticals Inc.	3,470,978	1,770	*,1 *	Achieve Life Sciences Inc.	240,138	989
	Capricor Therapeutics Inc.	354,443	1,733		Theseus Pharmaceuticals Inc.	241,475	978
*	Emergent BioSolutions Inc.	719,861	1,728	*,1 *	Bionano Genomics Inc.	505,292	955
*	Foghorn Therapeutics Inc.	265,887	1,715	*	aTyr Pharma Inc.	662,206	934
*	Ventyx Biosciences Inc.	676,940	1,672	*	PepGen Inc.	137,095	932
*	Aveanna Healthcare Holdings Inc. PMV Pharmaceuticals Inc.	619,532	1,660	*	XBiotech Inc.	231,371	925
*		532,146	1,650	*	Adverum Biotechnologies Inc.	1,225,295	922
*,1	Anixa Biosciences Inc. Sera Prognostics Inc. Class A	420,658 265,885	1,632 1,590	*	Jasper Therapeutics Inc. MediciNova Inc.	1,160,011 607,734	915 912
*	Sanara Medtech Inc.	38,451	1,580	*,1	Cutera Inc.	255.224	900
*	Cue Biopharma Inc.	597,569	1,578	*,1	Delcath Systems Inc.	212,669	885
*	GlycoMimetics Inc.	651,187	1,537	*,1	Cardiff Oncology Inc.	590,707	874
*	Abeona Therapeutics Inc.	305,507	1,531	*,1	Ocuphire Pharma Inc.	288,947	870
*	Mineralys Therapeutics Inc.	177,068	1,523	*	Eyenovia Inc.	417,777	869
*	X4 Pharmaceuticals Inc.	1,807,457	1,516	*,1	Bioxcel Therapeutics Inc.	293,322	865
*	Stereotaxis Inc.	865,763	1,515	*	Spero Therapeutics Inc.	587,342	863
*	Nektar Therapeutics Class A	2,676,857	1,512	*	Enzo Biochem Inc.	618,881	860
*	Tela Bio Inc.	226,799	1,501	*	Oncology Institute Inc.	416,922	851
*,1	Citius Pharmaceuticals Inc.	1,957,895	1,481	*	Prelude Therapeutics Inc.	198,015	846
*	Innovage Holding Corp.	244,957	1,470	*,1	Spyre Therapeutics Inc.	38,818	835
*	CytomXTherapeutics Inc.	946,563	1,467	*	Cidara Therapeutics Inc.	1,047,746	832
*,1	Atossa Therapeutics Inc.	1,664,345	1,465	*	Omega Therapeutics Inc.	275,181	828
*	Relmada Therapeutics Inc.	353,625	1,464	*	Clearside Biomedical Inc.	707,220	827
*,1	AEON Biopharma Inc.	202,540	1,458	*,1 *	ProPhase Labs Inc.	181,391	820
*	Syros Pharmaceuticals Inc.	184,890	1,440	*	Adicet Bio Inc.	433,904	820
*	NeuroPace Inc.	137,953	1,422	*	Aclaris Therapeutics Inc.	777,632	817
*,1	Mural Oncology plc	236,526	1,400	*,1	Eagle Pharmaceuticals Inc.	150,918	789
*	Assertio Holdings Inc.	1,307,570	1,399	*,1	ProKidney Corp. Class A	442,096	787
*	Kodiak Sciences Inc. Karyopharm Therapeutics Inc.	458,129	1,393	*,1	Immunic Inc.	519,880	780
*,1	TriSalus Life Sciences Inc.	1,568,362 160,000	1,357 1,352	*	Tempest Therapeutics Inc. Corvus Pharmaceuticals Inc.	174,007 428,240	766 754
*	Eton Pharmaceuticals Inc.	307,580	1,332	*	Graphite Bio Inc.	426,240 287,441	754 753
*	BioAtla Inc.	545,526	1,347	*,1	Sagimet Biosciences Inc. Class A	138,115	749
*	Longboard Pharmaceuticals Inc.	221,401	1,335	*,1	Hyperfine Inc. Class A	665,890	746
*	Aguestive Therapeutics Inc.	658,878	1,331	*,1	Immix Biopharma Inc.	107,419	743
*	Akoya Biosciences Inc.	271,764	1,326	*,1	Beyond Air Inc.	374,314	734
*,1	Reviva Pharmaceuticals Holdings Inc.	252,419	1,300	*	Avrobio Inc.	537,481	731
*	Chimerix Inc.	1,308,906	1,260	*	Kezar Life Sciences Inc.	764,730	725
*	Perspective Therapeutics Inc.	3,105,489	1,248	*	Solid Biosciences Inc.	116,243	714
*	KORU Medical Systems Inc.	506,625	1,244	*	Biodesix Inc.	384,059	707
*	Optinose Inc.	948,209	1,223	*	DiaMedica Therapeutics Inc.	247,802	704
*,1	Renovaro Biosciences Inc.	378,409	1,200	*	Kronos Bio Inc.	559,541	699
*	Generation Bio Co.	718,076	1,185	*	Great Elm Group Inc.	358,816	696
*,1	AirSculpt Technologies Inc.	156,689	1,174	*,1	DermTech Inc.	397,288	695
*	Neuronetics Inc.	403,878	1,171	*,1	Pyxis Oncology Inc.	385,415	694
	Cartesian Therapeutics Inc.	1,696,040	1,169	*,1	Outlook Therapeutics Inc.	1,758,399	693
*,1	Vor BioPharma Inc.	519,630	1,169	*,1	Atara Biotherapeutics Inc.	1,340,523	687
*	Myomo Inc.	228,288	1,144	*,1 *	Leap Therapeutics Inc.	162,591	674
*	Personalis Inc.	539,279	1,132	*	Kewaunee Scientific Corp.	23,122	672
*	Galectin Therapeutics Inc.	670,160	1,112	*	Forian Inc.	229,226	670
*	Werewolf Therapeutics Inc.	288,006	1,112	*	GeneDx Holdings Corp. Class A	241,389	664
*	Athira Pharma Inc.	452,018	1,098	*,1	Trevi Therapeutics Inc.	493,328	661
	Apyx Medical Corp.	414,663	1,086	, '	CytoSorbents Corp.	568,233	631

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*,1	Matinas BioPharma Holdings Inc.	2,919,345	631	*,1	BioSig Technologies Inc.	687,882	327
*	Journey Medical Corp.	109,083 318,152	628 627	*,1	Homology Medicines Inc.	535,943 205,179	326 324
*	Ikena Oncology Inc. Kinnate Biopharma Inc.	264,345	626	*,1	NeuroOne Medical Technologies Corp. Bright Green Corp.	205,179 968,476	324
*,1	Carmell Corp.	167,084	620	*	Eliem Therapeutics Inc.	119,083	319
*,1	DarioHealth Corp.	354,974	611	*	ElectroCore Inc.	54,676	317
*	Assembly Biosciences Inc.	729,852	599	*,1	Aspira Women's Health Inc.	77,703	317
*,1	Greenwich Lifesciences Inc.	56,481	594	*	Societal CDMO Inc.	890,262	312
*	Rallybio Corp.	248,743	594	*	Cellectar Biosciences Inc.	110,399	306
	Co-Diagnostics Inc.	444,776	592	*,1	Instil Bio Inc.	40,207	306
*	Rockwell Medical Inc. Allovir Inc.	312,336 858,612	590 584	*	Quince Therapeutics Inc.	287,348 250,603	302 301
*,1	Cardio Diagnostics Holdings Inc.	232,139	584 578	*,1	Rain Oncology Inc. Accelerate Diagnostics Inc.	76,553	300
*	Vigil Neuroscience Inc.	170,238	575	*	Singular Genomics Systems Inc.	649,099	299
*	iCAD Inc.	319,228	565	*	Armata Pharmaceuticals Inc.	90,978	295
*	Hookipa Pharma Inc.	692,759	561	*	Dare Bioscience Inc.	946,086	292
*,1	Acurx Pharmaceuticals Inc.	145,537	557	*	Exagen Inc.	141,951	282
*,1	Checkpoint Therapeutics Inc.	242,152	555	*,1	Fortress Biotech Inc.	93,521	282
*	Acrivon Therapeutics Inc.	110,293	543	*,1 *	T2 Biosystems Inc.	44,433	279
*	enVVeno Medical Corp.	104,973	540	*	Alpha Teknova Inc.	74,094	276
*	Spruce Biosciences Inc. Cyteir Therapeutics Inc.	183,832 169,688	539 516	*	TherapeuticsMD Inc. Retractable Technologies Inc.	122,234 246,784	275 274
*	CareMax Inc.	1,028,756	513	*	AIM ImmunoTech Inc.	620,229	274
*	NanoString Technologies Inc.	679,551	509	*	Streamline Health Solutions Inc.	630.999	268
*	Rezolute Inc.	512,314	508	*,1	Intensity Therapeutics Inc.	30,978	265
*,1	Nutex Health Inc.	2,816,650	507	*	Protara Therapeutics Inc.	140,668	263
*	P3 Health Partners Inc.	355,045	501	*,1	SAB Biotherapeutics Inc.	375,395	258
	Aadi Bioscience Inc.	247,520	500	*	Gain Therapeutics Inc.	78,870	258
*	Sensus Healthcare Inc.	207,423	490	*,1	Dyadic International Inc.	159,188	256
*	NGM Biopharmaceuticals Inc. Cara Therapeutics Inc.	560,237 645,753	481 480	,,	Senti Biosciences Inc. Class A Psychemedics Corp.	386,899 85,868	255 254
*,1	Marker Therapeutics Inc.	87,137	479	*	Xtant Medical Holdings Inc.	221,041	250
*	Vaxxinity Inc. Class A	562,125	478	*	ARCA biopharma Inc.	141,432	240
*	Nuvectis Pharma Inc.	57,030	476	*	Onconova Therapeutics Inc.	321,970	240
*,1	Palatin Technologies Inc.	118,739	473	*	Elicio Therapeutics Inc.	27,752	231
*,1	Sonida Senior Living Inc.	48,661	470	*	NextCure Inc.	201,978	230
	LENSAR Inc.	133,235	468	*,1	Predictive Oncology Inc.	69,881	230
*	Neurogene Inc.	23,979	465	*,1 *,1	Cyclo Therapeutics Inc.	144,172	229
1	IRIDEX Corp. MEI Pharma Inc.	164,113 79,554	461 461	*,1	Alaunos Therapeutics Inc. Durect Corp.	3,070,777 363,771	217 215
*	Minerva Neurosciences Inc.	74,257	457	*	Candel Therapeutics Inc.	145,874	213
*	Ekso Bionics Holdings Inc.	179,455	449	*,1	Biomerica Inc.	169,010	211
*	Reneo Pharmaceuticals Inc.	278,541	446	*,1	Oncocyte Corp.	84,999	211
*	Milestone Scientific Inc.	644,533	445	*,1	NRX Pharmaceuticals Inc.	449,071	207
*	Passage Bio Inc.	440,574	445	*	Vincerx Pharma Inc.	173,353	205
*,1	VolitionRX Ltd.	615,921	442	*	Lipocine Inc.	74,283	205
*	Lantern Pharma Inc.	99,265	425	*	Dominari Holdings Inc.	77,916	202
*	HeartBeam Inc. Eledon Pharmaceuticals Inc.	171,331 222,157	403 400	*,1	Cue Health Inc. Clene Inc.	1,223,161 665,776	199 197
*,1	Coya Therapeutics Inc.	53,056	393	*	Vivani Medical Inc.	193,451	197
*,1	SELLAS Life Sciences Group Inc.	368,775	391	*	American Shared Hospital Services	81,025	193
*	Moleculin Biotech Inc.	454,705	390	*,1	Cosmos Health Inc.	134,834	190
*	Pro-Dex Inc.	22,090	384	*,1	BioVie Inc. Class A	147,637	186
*,1	Rani Therapeutics Holdings Inc. Class A	113,686	377	*	Molecular Templates Inc.	49,888	185
*	UNITY Biotechnology Inc.	194,785	376	*	Bolt Biotherapeutics Inc.	164,316	184
	Corbus Pharmaceuticals Holdings Inc.	62,059	375	*,1 *	KALA BIO Inc.	26,296	184
*	Dianthus Therapeutics Inc.	36,059	375	*	Science 37 Holdings Inc.	34,509	184
*,1	Champions Oncology Inc. IN8bio Inc.	69,171 266,560	374 368	*,1	Kineta Inc. Biora Therapeutics Inc.	51,504 135,901	183 183
*	Vicarious Surgical Inc. Class A	969,320	355	*	Aligos Therapeutics Inc.	274,065	183
*	Cognition Therapeutics Inc.	191,136	354	*	CareCloud Inc.	119,857	182
*,1	Owlet Inc.	65,981	348	*,1	IGC Pharma Inc.	630,222	177
*	ImmuCell Corp.	66,638	337	*	Microbot Medical Inc.	108,034	177
*	Precision BioSciences Inc.	913,583	333	*,1	Cano Health Inc.	29,930	176
*	Oncternal Therapeutics Inc.	621,232	333	* 1	Equillium Inc.	242,412	175
*	Celularity Inc. Class A	1,338,454	331	*,1 *	Surrozen Inc.	18,127	172
	PAVmed Inc.	79,689	328		Synlogic Inc.	42,476	164

*		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
	Elevation Oncology Inc.	303,179	163	*,1	Creative Medical Technology Holdings Inc.	17,629	80
	PharmaCyte Biotech Inc.	74,919	162	*,1 *	Processa Pharmaceuticals Inc.	234,653	79
	Pieris Pharmaceuticals Inc.	885,502	161	*	Coeptis Therapeutics Holdings	100,759	79
	Viracta Therapeutics Inc.	282,488	161	*	Cyclerion Therapeutics Inc.	23,490	79 78
	Hepion Pharmaceuticals Inc. Lumos Pharma Inc.	48,908 50,828	160 159	*,1	SunLink Health Systems Inc. Aytu BioPharma Inc.	83,942 27,251	78 77
	NanoViricides Inc.	154,515	158	*	Anebulo Pharmaceuticals Inc.	32.003	77
	Lisata Therapeutics Inc.	57,596	157	*,1	Seelos Therapeutics Inc.	55,373	77
	Regulus Therapeutics Inc.	121,722	156	*,1	Ocean Biomedical Inc.	113,209	75
	Turnstone Biologics Corp.	61,126	156	*	TFF Pharmaceuticals Inc.	10,750	75
	NightHawk Biosciences Inc.	352,600	155	*,1	CNS Pharmaceuticals Inc.	58,369	74
	Galecto Inc.	212,689	153	*,1 *,1	INVO BioScience Inc.	54,058	73
	Acorda Therapeutics Inc.	10,438	152	*	Alzamend Neuro Inc.	78,545	72
	Orgenesis Inc. Femasys Inc.	300,650 155,261	151 151	*	Edesa Biotech Inc. Sensei Biotherapeutics Inc.	15,702 97,704	72 68
	Cumberland Pharmaceuticals Inc.	84,244	147	*,1	Galera Therapeutics Inc.	448,330	65
	Genprex Inc.	598,971	138	*	Lucid Diagnostics Inc.	46,125	65
	Aprea Therapeutics Inc.	28,562	134	*	Pulmatrix Inc.	35,082	65
	CervoMed Inc.	19,318	134	*	Precision Optics Corp. Inc.	10,488	65
	Novo Integrated Sciences Inc.	163,777	134	*	Avinger Inc.	23,802	65
	Elutia Inc.	61,591	133	*,1 *	PetVivo Holdings Inc.	59,855	63
	Vivos Therapeutics Inc.	10,579	132	*,1	Finch Therapeutics Group Inc.	16,234	59
	Strata Skin Sciences Inc.	235,454	130	*,1	Bullfrog Al Holdings Inc. Lexaria Bioscience Corp.	18,100	59 50
	RenovoRx Inc. Cocrystal Pharma Inc.	56,578 76,721	130 130	*	Plus Therapeutics Inc.	46,241 32,541	58 58
	Know Labs Inc.	254,986	130	*	Acutus Medical Inc.	278,220	56
	Organovo Holdings Inc. Class A	114,640	127	*,1	Hoth Therapeutics Inc.	38,804	56
	BioCardia Inc.	189,240	126	*	Nexgel Inc.	25,526	54
	Bio-Path Holdings Inc.	270,029	125	*	Benitec Biopharma Inc.	16,701	54
	eFFECTOR Therapeutics Inc.	264,836	124	*	NeuroMetrix Inc.	15,124	54
	Forte Biosciences Inc.	149,484	123	*,1 *	Atreca Inc. Class A	393,228	52
	Aileron Therapeutics Inc.	40,314	123	*,1	Trevena Inc.	72,355	51
	Eiger BioPharmaceuticals Inc. Virios Therapeutics Inc.	540,723 208,883	121 120	*	Tenax Therapeutics Inc. Oragenics Inc.	186,046 8,737	51 49
	Eargo Inc.	45,480	118	*,1	Cingulate Inc.	6,351	49
	Biotricity Inc.	99,728	118	*	Indaptus Therapeutics Inc.	27,068	48
	SeaStar Medical Holding Corp.	261,671	116	*	Akili Inc. Class A	101,371	48
	VYNE Therapeutics Inc.	48,578	113	*,1	Eterna Therapeutics Inc.	26,099	47
	Precipio Inc.	17,645	112	*,1	Neuraxis Inc.	17,745	47
	BrainStorm CellTherapeutics Inc.	401,014	109	*,1 *	Tracon Pharmaceuticals Inc.	262,772	46
	VBI Vaccines Inc.	184,436	108	*,1	HCW Biologics Inc.	37,451	46
	Applied DNA Sciences Inc.  MyMD Pharmaceuticals Inc.	173,534 410,666	107 106	*,1	Aethlon Medical Inc. Petros Pharmaceuticals Inc.	21,224 31,811	46 45
	Cryo-Cell International Inc.	18,318	105	*,1	Telesis Bio Inc.	110,770	45
	GeoVax Labs Inc.	288,573	104	*,1	AcelRx Pharmaceuticals Inc.	59,697	44
	AgeX Therapeutics Inc.	262,604	101	*,1	Tonix Pharmaceuticals Holding Corp.	108,143	44
	Nutriband Inc.	43,254	101	*,1	Palisade Bio Inc.	68,054	40
	Unicycive Therapeutics Inc.	115,057	100	*,1	Agile Therapeutics Inc.	20,477	40
	ProSomnus Inc.	102,103	100	*,1	Aravive Inc.	315,214	39
	Mustang Bio Inc.	73,419	99	*,1	Better Therapeutics Inc.	198,154	39
	MSP Recovery Inc.	43,627	99 97	*,1 *	Soligenix Inc.	50,865	39
	Helius Medical Technologies Inc. Class A AquaBounty Technologies Inc.	12,598 34,020	97 97	*	Tenon Medical Inc. Venus Concept Inc.	23,854 32,438	39 38
	ATI Physical Therapy Inc.	15,662	96	*,1	NeuroBo Pharmaceuticals Inc.	9,738	36
	Star Equity Holdings Inc.	93,272	95	*	BioRestorative Therapies Inc.	20,472	35
	Talis Biomedical Corp.	12,746	95	*,1	Lipella Pharmaceuticals Inc.	34,520	35
*,1	MAIA Biotechnology Inc.	80,659	94	*	NanoVibronix Inc.	30,194	35
	MiNK Therapeutics Inc.	85,953	92	*,1	Xenetic Biosciences Inc.	9,797	35
	Longeveron Inc. Class A	65,090	89	*,1	Regional Health Properties Inc.	16,970	34
	Xilio Therapeutics Inc.	160,024	88	*,1 *	Titan Pharmaceuticals Inc.	82,051	34
	Tivic Health Systems Inc.	47,981	88	*,1	Imunon Inc.	48,806	33
	vTvTherapeutics Inc. Class A	7,654	88	*	ABVC BioPharma Inc.	27,247	32
	Rapid Micro Biosystems Inc. Class A Sientra Inc.	116,215 139,870	86 85	*	Evoke Pharma Inc.	29,851 15,135	31
	Theriva Biologics Inc.	139,870	85 84	*,1	Clever Leaves Holdings Inc. bioAffinityTechnologies Inc.	15,135 20,000	31 30
	ENDRA Life Sciences Inc.	39,812	84	*,1	Windtree Therapeutics Inc.	41,640	30
	GT Biopharma Inc.	315,126	80	*,1	Heart Test Laboratories Inc.	175,600	30

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*,1	Aditxt Inc.	4,566	30	*,	<sup>1</sup> Avalo Therapeutics Inc.	300	3
*	Nemaura Medical Inc.	126,682	29	*,	Avaio merapeaties inc.	823	3
*,1	Nuwellis Inc.	49,955	29	*,		1,341	3
*,1	Jaguar Health Inc.	192,335	29	*,		12,455	2
*	Protagenic Therapeutics Inc.	31,996	29	*	Intelligent Bio Solutions Inc.	5,798	2
*,1	Context Therapeutics Inc.	22,612	26	*,		3,235	2
*,1	Sonnet BioTherapeutics Holdings Inc.	14,726	26	*	Sonoma Pharmaceuticals Inc.	3,818	1
*	Exicure Inc.	40,093	24	*,	Bidojay Bidgilootioo iilo.	794	1
*,1	Enveric Biosciences Inc.	18,198	24	*,	OTTITU ID ITIO. 12.0 Editioda	83,004	_
*,1	DMK Pharmaceuticals Corp.	33,990	24	*,	Offiliab inc. 15 Earnoat	83,004	_
*	Silo Pharma Inc.	16,334	24	*	Aclarion Inc.	1,800	_
*,1	Biofrontera Inc.	8,611	24	Τ,	<sup>2,3</sup> MYOS Corp. (Acquired 8/24/2023, Cost \$—)	20,700	_
*,1 *	Healthcare Triangle Inc.	8,801	24	*	1,2 MYOS Corp. (Registered)	48,410	_
*,1	InVivo Therapeutics Holdings Corp.	31,238	23	*,	Sellestech Inc.	1	_
*,1	OpGen Inc.	53,275	22 21	*,	Zy versa merapoatios me.	493	_
*	Virpax Pharmaceuticals Inc. ThermoGenesis Holdings Inc.	66,294 35,419	21	*	<sup>1</sup> Tharimmune Inc. iCoreConnect Inc.	427 70	_
*,1	Innovative Eyewear Inc.	47,233	20		Coreconnect inc.	70	
*,1	LogicMark Inc.	18,939	20				11,461,490
*	Synaptogenix Inc.	68,522	19	lr	ndustrials (16.9%)		
*,1	Phio Pharmaceuticals Corp.	24,380	19		Ferguson plc	3,008,200	580,793
*,1	Ensysce Biosciences Inc.	18,175	19		Vertiv Holdings Co. Class A	5,194,717	249,502
*,1	Calidi Biotherapeutics Inc.	12,448	19		Booz Allen Hamilton Holding Corp. Class A	1,921,755	245,812
*	iSpecimen Inc.	35,987	18		Carlisle Cos. Inc.	720,251	225,028
*,1	Aptevo Therapeutics Inc.	91,725	17		Graco Inc. Watsco Inc.	2,495,313 501.780	216,493
*,1	SiNtx Technologies Inc.	43,409	17		Lennox International Inc.	471,643	214,998 211,070
*,1	Adial Pharmaceuticals Inc.	9,359	17		TransUnion	2,857,355	196,329
*	Monopar Therapeutics Inc.	45,167	15		Owens Corning	1,304,994	190,329
*	Modular Medical Inc.	8,077	15		SS&C Technologies Holdings Inc.	3,161,671	193,439
*,1	Onconetix Inc.	73,513	15		AECOM	2,057,471	190,172
*,1,2	Aceragen Inc.	39,478	15		Lincoln Electric Holdings Inc.	848,279	184,467
*,1	Ampio Pharmaceuticals Inc.	7,388	15		RB Global Inc.	2,700,343	180,626
*,1	Cyclacel Pharmaceuticals Inc.	5,796	15		CNH Industrial NV	14,349,153	174,773
*	NeuBase Therapeutics Inc.	18,981	14	*	Saia Inc.	393,047	172,241
*,1	cbdMD Inc.	13,042	14	*	XPO Inc.	1,715,530	150,263
*,1	TRXADE HEALTH Inc.	2,643	14		EMCOR Group Inc.	697,041	150,164
*,1	Kiora Pharmaceuticals Inc.	24,566	13		Toro Co.	1,538,340	147,665
*,1 *,1	Qualigen Therapeutics Inc.	22,827	13		Regal Rexnord Corp.	981,727	145,315
*,1	SCWorx Corp.	6,922	13		ITT Inc.	1,215,904	145,082
*	ReShape Lifesciences Inc.	49,874	12 12		nVent Electric plc	2,454,537	145,039
*,1	Lixte Biotechnology Holdings Inc. Biolase Inc.	5,209 10,911	12		Advanced Drainage Systems Inc.	1,014,497	142,679
*,1	Imac Holdings Inc.	5,133	12		Fortune Brands Innovations Inc.	1,854,514	141,203
*,1	iBio Inc.	8,287	11		HEICO Corp.	773,703	138,392
*,2	Impact BioMedical Inc. (Registered)	1,738,388	11		Knight-Swift Transportation Holdings Inc. Class A	2,387,156	137,620
*,1	Yield10 Bioscience Inc.	40,451	10		Trex Co. Inc.	1,607,200	133,060
*,1	180 Life Sciences Corp.	47,852	10	*	Tetra Tech Inc.	787,983	131,538
*,1	NexImmune Inc.	4,306	10	*	Clean Harbors Inc.	744,998	130,010
*,1	Salarius Pharmaceuticals Inc.	14,563	9		WillScot Mobile Mini Holdings Corp.	2,841,484	126,446
*	Dynatronics Corp.	16,074	9		Curtiss-Wright Corp. HEICO Corp. Class A	565,745 878,098	126,042 125,076
*	Landos Biopharma Inc.	2,399	9		Simpson Manufacturing Co. Inc.	631,696	125,076
*,1	Motus GI Holdings Inc.	6,884	9	*	RBC Bearings Inc.	430,617	123,003
*,1	Avenue Therapeutics Inc.	46,293	8		Woodward Inc.	894,707	121,796
*,1	Inhibikase Therapeutics Inc.	6,416	8		Donaldson Co. Inc.	1,793,062	117,177
*	Ontrak Inc.	20,311	8	*	Middleby Corp.	794,027	116,857
*	Vaccinex Inc.	12,588	8		UFP Industries Inc.	914,107	114,766
*	CalciMedica Inc.	2,320	7		WESCO International Inc.	650,113	113,042
*,1	GRI Bio Inc.	18,539	7		AGCO Corp.	919,990	111,696
* 1	60 Degrees Pharmaceuticals Inc.	7,048	7		KBR Inc.	2,000,949	110,873
*,1	Envoy Medical Inc.	3,372	6		Comfort Systems USA Inc.	529,245	108,850
* 1	Assure Holdings Corp.	20,753	5	*	SiteOne Landscape Supply Inc.	667,428	108,457
*,1 *,1	NKGen Biotech Inc.	1,786	5	*	GXO Logistics Inc.	1,759,342	107,601
*	Panbela Therapeutics Inc.	4,249	4	*	CACI International Inc. Class A	329,627	106,753
*,1	Sharps Technology Inc.	9,956	4	*	Paylocity Holding Corp.	641,302	105,719
*	Ainos Inc.	1,966	4	*	API Group Corp.	3,038,620	105,136
*,1	NovaBay Pharmaceuticals Inc. Revelation Biosciences Inc.	13,710 6,000	3 3	_	Oshkosh Corp.	967,808	104,920
	novolation biosciences inc.	0,000	3	*	FTI Consulting Inc.	526,596	104,872

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
	BWX Technologies Inc.	1,351,574	103,706	1	Avis Budget Group Inc.	274,172	48,600
	Landstar System Inc.	530,689	102,768		Kadant Inc.	172,546	48,366
*	U-Haul Holding Co. (XNYS)	1,436,757	101,205		Enpro Inc.	307,869	48,255
	Fluor Corp. Applied Industrial Technologies Inc.	2,537,371 574,116	99,389 99,144	*	CSW Industrials Inc. Alight Inc. Class A	229,356 5,490,704	47,571 46,836
	Science Applications International Corp.	783,118	97,357		John Bean Technologies Corp.	469,240	46,666
	Acuity Brands Inc.	458,442	93,903		Korn Ferry	777,379	46,137
	MSA Safety Inc.	546,726	92,304	*,1	Bloom Energy Corp. Class A	3,109,748	46,024
*	Hexcel Corp.	1,243,608	91,716	*	CBIZ Inc.	730,196	45,703
	Atkore Inc. Genpact Ltd.	559,885 2,467,607	89,582 85,651		Albany International Corp. Class A ESCO Technologies Inc.	459,712 379,625	45,153 44.428
	Crane Co.	724,648	85,610		McGrath RentCorp	363,090	43,433
*	Chart Industries Inc.	621,858	84,778		ABM Industries Inc.	967,169	43,358
*	AZEK Co. Inc. Class A	2,208,073	84,459		Rush Enterprises Inc. Class A	852,857	42,899
	Watts Water Technologies Inc. Class A	405,310	84,442	*	ArcBest Corp.	353,924	42,545
*	Sensata Technologies Holding plc Core & Main Inc. Class A	2,242,063 2,020,433	84,234 81,646		Hub Group Inc. Class A Vestis Corp.	460,114 1,944,013	42,303 41,096
	Flowserve Corp.	1,938,787	79,917	*	Resideo Technologies Inc.	2,168,384	40,809
	Mueller Industries Inc.	1,682,638	79,336		Dun & Bradstreet Holdings Inc.	3,476,214	40,672
	Allison Transmission Holdings Inc.	1,325,939	77,103	*	UniFirst Corp.	221,716	40,554
*	Timken Co.	961,555	77,069	*	RXO Inc.	1,724,556	40,113
	Lyft Inc. Class A Boise Cascade Co.	5,122,437 585,699	76,785 75,766		Sterling Infrastructure Inc. Werner Enterprises Inc.	454,822 933,919	39,992 39,570
*	ExIService Holdings Inc.	2,446,900	75,760 75,487	*	Shoals Technologies Group Inc. Class A	2,513,982	39,067
	Maximus Inc.	899,146	75,402		Brady Corp. Class A	657,815	38,607
	Ryder System Inc.	655,056	75,371	*	Kratos Defense & Security Solutions Inc.	1,893,636	38,422
*	Beacon Roofing Supply Inc.	860,222	74,857	*	Griffon Corp.	612,822	37,351
	Alaska Air Group Inc. AAON Inc.	1,900,933 999,729	74,269 73,850	*,1	Parsons Corp. Plug Power Inc.	592,781 8,075,861	37,173 36,341
	Esab Corp.	841,365	73,830	*,1	Joby Aviation Inc.	5,453,440	36,265
	Valmont Industries Inc.	309,296	72,224	*	MYR Group Inc.	246,064	35,588
*	Casella Waste Systems Inc. Class A	843,395	72,077	*	Array Technologies Inc.	2,102,305	35,319
	MSC Industrial Direct Co. Inc. Class A	686,263	69,491	*	Gibraltar Industries Inc.	446,533	35,267
	Concentrix Corp. Federal Signal Corp.	706,315 899,046	69,367 68,993	*	ICF International Inc. PGT Innovations Inc.	254,066 837,029	34,068 34,067
	FTAI Aviation Ltd.	1,481,949	68,762	*	NEXTracker Inc. Class A	725,239	33,977
*	Kirby Corp.	872,963	68,510		Granite Construction Inc.	655,927	33,360
*	SPX Technologies Inc.	672,804	67,960		Mueller Water Products Inc. Class A	2,304,083	33,179
*	Stericycle Inc.	1,367,670	67,782	*	AAR Corp.	520,648	32,488
*	MasTec Inc. ASGN Inc.	892,540	67,583 67,029		Alamo Group Inc. Trinity Industries Inc.	153,618 1,208,034	32,289 32,122
	Exponent Inc.	696,985 749,498	65,986	*	SkyWest Inc.	609,777	31,830
	Armstrong World Industries Inc.	652,061	64,111	*	ACV Auctions Inc. Class A	2,001,569	30,324
	Air Lease Corp. Class A	1,527,735	64,073		Kennametal Inc.	1,173,695	30,270
*	Sunrun Inc.	3,223,210	63,272	*	Gates Industrial Corp. plc	2,186,614	29,344
	GATX Corp. Herc Holdings Inc.	523,486	62,933		MillerKnoll Inc.	1,077,787	28,755
	Zurn Elkay Water Solutions Corp.	417,940 2,101,143	62,227 61,795	*	HNI Corp. Huron Consulting Group Inc.	685,290 278,187	28,666 28,598
	Moog Inc. Class A	423,288	61,284	*	Construction Partners Inc. Class A	654,671	28,491
	Insperity Inc.	521,856	61,172	*	Masterbrand Inc.	1,891,329	28,086
	EnerSys	600,821	60,659	*	Mercury Systems Inc.	767,524	28,068
	MDU Resources Group Inc.	3,004,569	59,490	-	Masonite International Corp.	327,207	27,701
*,1	Arcosa Inc. Clarivate plc	719,717 6,387,831	59,477 59,151	*	Standex International Corp. Upwork Inc.	174,121 1,845,194	27,577 27,438
	Brink's Co.	665,051	58,491	*	JetBlue Airways Corp.	4,923,463	27,325
	ManpowerGroup Inc.	720,348	57,246	*	Hillman Solutions Corp.	2,899,283	26,702
	Terex Corp.	994,599	57,150	1	Spirit Airlines Inc.	1,605,937	26,321
	Franklin Electric Co. Inc.	588,664	56,894	*,1	Enovix Corp.	2,096,915	26,253
*	Matson Inc. Verra Mobility Corp. Class A	514,964 2,449,392	56,440 56,409	*	Primoris Services Corp. Hayward Holdings Inc.	786,411 1,865,699	26,117 25,374
*	TriNet Group Inc.	2,449,392 462,403	56,409 54,994		Tennant Co.	273,605	25,374 25,360
*	Spirit AeroSystems Holdings Inc. Class A	1,702,136	54,094		Enerpac Tool Group Corp. Class A	811,971	25,244
_	Encore Wire Corp.	235,366	50,274	_	H&E Equipment Services Inc.	477,007	24,957
*	Dycom Industries Inc.	433,509	49,893	*	CoreCivic Inc.	1,689,482	24,548
*	Hillenbrand Inc. GMS Inc.	1,030,156 597,692	49,293 49,268	*	Barnes Group Inc. JELD-WEN Holding Inc.	748,859 1,263,015	24,435
*	AeroVironment Inc.	387,809	49,268 48,879		Forward Air Corp.	378,935	23,846 23,824
		307,000	.5,5,5			3,0,000	20,02 1

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	OPENLANE Inc.	1,600,005	23,696	*,1	ChargePoint Holdings Inc.	4,433,911	10,375
*	American Woodmark Corp.	241,253	22,400		Rush Enterprises Inc. Class B	193,783	10,267
	CSG Systems International Inc.	418,917	22,291		Kelly Services Inc. Class A	467,298	10,103
*,1	Helios Technologies Inc. Xometry Inc. Class A	487,054 611,929	22,088 21,974		Genco Shipping & Trading Ltd. Hyster-Yale Materials Handling Inc.	608,605 160,963	10,097 10,010
*	Rocket Lab USA Inc.	3,876,577	21,437		Douglas Dynamics Inc.	334,025	9,914
	AZZ Inc.	368,810	21,424		Heartland Express Inc.	668,206	9,529
*	Leonardo DRS Inc.	1,045,286	20,948	*	Conduent Inc.	2,581,577	9,423
*	Cimpress plc	261,517	20,934	*	Kaman Corp.	393,210	9,417
*	Lindsay Corp. NV5 Global Inc.	162,065 186,445	20,932 20,718	*	IES Holdings Inc. Sun Country Airlines Holdings Inc.	117,230 585,941	9,287 9,217
*	Paycor HCM Inc.	958,320	20,718	*	CECO Environmental Corp.	448,133	9,217
	Greenbrier Cos. Inc.	466,344	20,603	*	Titan Machinery Inc.	314,400	9,080
*,1	Fluence Energy Inc.	854,078	20,370	*	Manitowoc Co. Inc.	536,355	8,952
*	GEO Group Inc.	1,863,265	20,179		Heidrick & Struggles International Inc.	301,052	8,890
*	Hertz Global Holdings Inc.	1,934,112	20,095		Ennis Inc.	399,848	8,761
*	Legalzoom.com Inc. Triumph Group Inc.	1,775,642 1,155,858	20,065 19,164		Cadre Holdings Inc. Argan Inc.	259,420 181,788	8,532 8,506
	Kforce Inc.	276,827	18,702	*,1	Stem Inc.	2,175,737	8,442
	Steelcase Inc. Class A	1,375,129	18,592		ACCO Brands Corp.	1,375,638	8,364
,	Allegiant Travel Co.	221,749	18,319	*	Hudson Technologies Inc.	618,740	8,347
*	Janus International Group Inc.	1,386,212	18,090	*	V2X Inc.	168,049	7,804
	Marten Transport Ltd. Wabash National Corp.	861,519 704,169	18,075 18,041	*	TrueBlue Inc. Great Lakes Dredge & Dock Corp.	503,564 996,188	7,725 7,651
	Apogee Enterprises Inc.	331,813	17,722		Miller Industries Inc.	996, 188 179,776	7,603
*	NOW Inc.	1,563,100	17,694		REV Group Inc.	414,450	7,531
*,1	Archer Aviation Inc. Class A	2,817,374	17,299		Global Industrial Co.	192,097	7,461
	Columbus McKinnon Corp.	437,798	17,083	*	Astronics Corp.	423,465	7,377
*	Thermon Group Holdings Inc.	511,007	16,643	*	Planet Labs PBC	2,936,762	7,254
*	Matthews International Corp. Class A	452,893	16,599	*	Franklin Covey Co. Blue Bird Corp.	162,924 260,633	7,092
*	Energy Recovery Inc. Transcat Inc.	837,202 141,109	15,773 15,427		Resources Connection Inc.	490,041	7,027 6,944
*	Ameresco Inc. Class A	476,361	15,086		Allient Inc.	219,589	6,634
*	Proto Labs Inc.	384,949	14,998	*	Limbach Holdings Inc.	145,808	6,630
*	SP Plus Corp.	291,696	14,949		National Presto Industries Inc.	80,342	6,450
	Vicor Corp.	331,923	14,917	•	Sterling Check Corp.	461,430	6,423
*	Quanex Building Products Corp. BlueLinx Holdings Inc.	483,289 127,327	14,774 14,427		FTAI Infrastructure Inc. Preformed Line Products Co.	1,626,774 46,680	6,328 6,249
	Deluxe Corp.	666,918	14,305		GrafTech International Ltd.	2,849,673	6,241
	Schneider National Inc. Class B	552,325	14,057		TTEC Holdings Inc.	287,802	6,237
1	Tecnoglass Inc.	305,934	13,984	*,1	SunPower Corp.	1,290,750	6,234
*	MRC Global Inc.	1,266,392	13,943	*	DXP Enterprises Inc.	178,703	6,022
*	Driven Brands Holdings Inc.  Montrose Environmental Group Inc.	949,070 410,059	13,534 13,175	*,1	Tutor Perini Corp. LanzaTech Global Inc.	661,759 1,197,180	6,022 6,022
*	Air Transport Services Group Inc.	740,785	13,175		Covenant Logistics Group Inc. Class A	130,074	5,989
	Astec Industries Inc.	349,983	13,019		Shyft Group Inc.	489,952	5,987
	Gorman-Rupp Co.	365,969	13,003	1	Eagle Bulk Shipping Inc.	107,564	5,959
*,1	Virgin Galactic Holdings Inc.	5,236,899	12,830	*	Liquidity Services Inc.	322,659	5,553
*	VSE Corp.	196,541	12,699		AerSale Corp.	437,086	5,549
*,1	3D Systems Corp. Symbotic Inc. Class A	1,980,054 238,547	12,573 12,245	*	LSI Industries Inc. Bowman Consulting Group Ltd. Class A	393,761 154,695	5,544 5,495
	First Advantage Corp.	737,270	12,243	*	Daseke Inc.	665,161	5,388
*	U-Haul Holding Co.	170,105	12,214	*	Distribution Solutions Group Inc.	164,414	5,189
*,1	Nikola Corp.	13,898,285	12,158	*	Forrester Research Inc.	191,485	5,134
	Barrett Business Services Inc.	102,424	11,861	*	Custom Truck One Source Inc.	794,868	4,912
	Powell Industries Inc.	133,243	11,779	*	BrightView Holdings Inc.	582,703	4,906
*	Insteel Industries Inc. Healthcare Services Group Inc.	303,239 1,118,551	11,611 11,599	*,1	American Superconductor Corp. Microvast Holdings Inc.	431,433 3,395,294	4,806 4,753
*	Viad Corp.	319,621	11,570		Alta Equipment Group Inc.	371,262	4,793
*	Hawaiian Holdings Inc.	812,051	11,531	*	Northwest Pipe Co.	149,141	4,513
*	Titan International Inc.	772,873	11,500		Pangaea Logistics Solutions Ltd.	512,373	4,222
*	Interface Inc. Class A	887,011	11,194	* 1	Park Aerospace Corp.	285,826	4,202
*	Enviri Corp.	1,215,310	10,938	*,1	020711 001p.	2,199,001	4,024
	Ducommun Inc. Pitney Bowes Inc.	207,222 2,414,674	10,788 10,625	*	Luxfer Holdings plc Matrix Service Co.	422,626 385,093	3,778 3,766
	CRA International Inc.	107,247	10,601	*	Willdan Group Inc.	171,977	3,698
*,1	FuelCell Energy Inc.	6,550,792	10,481	*,1	Net Power Inc.	364,602	3,682

Radiant Logistics Inc.   498,130   3,308   Ultrafile Corp.   1	84,819 640,728 148,995 57,505 62,700 271,599 287,325 1,612,349 36,372	1,026 1,025 1,016 1,011 962 932
Park-Ohio Holdings Corp.	640,728 148,995 57,505 62,700 271,599 287,325 1,612,349	1,025 1,016 1,011 962
TaskUS Inc. Class A	57,505 62,700 271,599 287,325 1,612,349	1,011 962
Frontier Group Holdings Inc.   578,476   318	62,700 271,599 287,325 1,612,349	962
L B Foster Co. Class A	271,599 287,325 1,612,349	
Omega Flex Inc.         42,700         3,011         1 Redvire Corp.         1.0         1 Redvire Corp.         1,1           Commercial Vehicle Group Inc.         429,381         3,010         2 GEE Group Inc.         1,1           Innodata Inc.         364,024         2,863         Taylor Devices Inc.         1,1           Innodata Inc.         846,731         2,870         Aqua Metals Inc.         1,6           Ohnersal Logistics Holdings Inc.         101,183         2,835         INNOVATE Corp.         6           Ferformant Financial Corp.         146,346         2,769         Broadwind Inc.         2           Asure Software Inc.         290,815         2,769         Broadwind Inc.         NL Industries Inc.	287,325 1,612,349	932
Commercial Vehicle Group Inc.	1,612,349	
Innodata Inc.		819
Blink Charging Co.   846,731   2,9870   Aqua Metasis Inc.   1,670   Linversal Logistics Holdings Inc.   101,183   2,835   1,830   Linversal Logistics Holdings Inc.   101,183   2,835   1,830   Linversal Logistics Holdings Inc.   101,183   2,835   Linversal Logistics Holdings Inc.   1,46,346   2,776   Linversal Logistics Holdings Inc.   2,985   Linversal Holdings Inc.   2,786   Linversal Holdings Inc.   2,786   Linversal Holdings Inc.   2,789   Linversal Holdings Inc.   2,789   Linversal Holdings Inc.   2,880   Linversal Holdings Inc.   3,567,986   2,880   Linversal Holdings Inc.   2,680   Linversal Holdings Inc.   2,680   Linversal Holdings Inc.   2,680   Linversal Holdings Inc.   2,680   Linversal Holdings Inc.   2,681   Linversal Holdings In	36,372	806
Dinier Shelping Lo.   September   Septem		804
Performant Financial Corp.   894,514   2,795   Broadwind Inc.   2   2,795   Graham Corp.   146,346   2,776   Asure Software Inc.   290,815   2,769   Concrete Pumping Holdings Inc.   336,641   2,760   Sorthware Inc.   290,815   2,769   Concrete Pumping Holdings Inc.   336,641   2,760   Sorthware Inc.   Servotronics Inc.   Servotronics Inc.   Servotronics Inc.   Sorthware Inc.   Inc.   Sorthware Inc.   Sorthware Inc.   Sorthware Inc.   Sorthware Inc.   Sorthware Inc.   Sorthware Inc.   Inc.   Sorthware Inc.   S	1,038,386	789
Perfortifient interlaction	624,309	768
Asure Software Inc. Concrete Pumping Holdings Inc. 336,641 2,769 Servotronics Inc. 1. Desktop Metal Inc. Class A 3,567,986 2,680 1. Servotronics Inc. 1. Desktop Metal Inc. Class A 3,567,986 2,680 1. Southland Holdings Inc. 1. Eve Holding Inc. 366,203 2,673 Flux Power Holdings Inc. 1. Biade Air Mobility Inc. 975,6482 2,667 TechPrecision Corp. 1. RCM Technologies Inc. 91,076 2,645 StarTek Inc. 1deal Power Inc. 1d	275,644	764 757
Concrete Pumping Holdings Inc. 336.641 2,760 Servotronics Inc. 2 Servotronics Inc. 365.203 2,673 Southand Holdings Inc. 365.203 2,673 Flux Power Holdings Inc. 366.203 Flux Power Holdings Inc. 366.203 2,673 Flux Po	97,154 134,129	757 752
Desktop Metal Inc. Class A   3,65/986   2,680   3   Set Vidolings Inc.   365,203   2,673   Eve Holdings Inc.   365,203   2,673   Tel Procision Corp.   Flux Power Holdings Inc.   Flux Power Holdings Inc.   Flux Power Holdings Inc.   Flux Power Holdings Inc.   Tel Composites Inc.   620,777   2,570   Ideal Power Inc.   Glass A   2,665   StarTek Inc.   Glass A   2,663   Tel-Precision Corp.   StarTek Inc.   Glass A   2,673   Tel Composites Inc.   Glass A   2,673   Tel Composites Inc.   Glass A   2,513   Tel Composites Inc.   Glass A   1,399,428   1,702   Tel Tel Composites Inc.   Glass A   1,114,386   1,560   Tel Composites Inc.   Gl	59,661	752 746
Eve Holding Inc.	141,533	740
Blade Air Mobility Inc.   755,482   2,667   TechPrecision Corp.	160,450	659
RCM Technologies Inc.	125,690	647
TPI Composites Inc.	144,925	639
Energy Vault Holdings Inc.	78,007	605
Ouad/Graphics Inc.         463,634         2,513         **¹         Complete Solaria Inc.         3           DLH Holdings Corp.         159,513         2,512         FTC Solar Inc.         3           NN Inc.         613,095         2,452         Mastech Digital Inc.         4           **NuScale Power Corp. Class A         712,185         2,343         **ClearSign Technologies Corp.         **Twin Disc Inc.           **Twin Disc Inc.         2,118,481         2,338         Hydrorarm Holdings Group Inc.         **Proincer Power Solutions Inc.           **Gencor Industries Inc.         457,435         2,260         Hydrorarm Holdings Group Inc.         **PreightCar America Inc.           **Orion Group Holdings Inc.         457,435         2,260         Mesa Air Group Inc.         **Hudson Global Inc.           **Inrovative Solutions & Support Inc.         254,450         2,170         **Hudson Global Inc.         **Hudson Global Inc.           **HireRight Holdings Corp.         188,554         2,133         **Intuitive Machines Inc.         **CPI Aerostructures Inc.           **Karat Packaging Inc.         78,371         1,948         **Intuitive Machines Inc.         **CPI Aerostructures Inc.           **Amity and Corp.         258,353         1,891         **Intuitive Machines Inc.         **CPI Aerostructures Inc.	376,441	602
DLH Holdings Corp.  NN Inc.  159,513 2,512 FTC Solar Inc.  NN Inc.  1613,095 2,452 Mastech Digital Inc.  (Lear Sign Technologies Corp.  Twin Disc Inc.  144,684 2,338 Hydrofarm Holdings Group Inc.  156 Energy Enterprises Inc.  2118,481 2,309 Pioneer Power Solutions Inc.  Gencor Industries Inc.  141,254 2,280 Pioneer Power Solutions Inc.  Orion Group Holdings Inc.  Innovative Solutions & Support Inc.  144,535 2,260 Mesa Air Group Inc.  Innovative Solutions & Support Inc.  158,554 2,133 "Velo3D Inc.  HireRight Holdings Corp.  Mayville Engineering Co. Inc.  144,533 2,084 "Intuitive Machines Inc.  Eastern Co.  Karat Packaging Inc.  PAM Transportation Services Inc.  93,486 1,943 Orion Energy Systems Inc.  Mistras Group Inc.  Virco Manufacturing Corp.  Acme United Corp.  EVI Industries Inc.  ARC Document Solutions Inc.  Spire Global Inc.  142,089 1,943 Orion Energy Systems Inc.  ARC Document Solutions Inc.  153,343 1,749 Exela Technologies Inc.  Manitex International Inc.  Manitex International Inc.  Manitex International Inc.  Willis Lease Finance Corp.  130,042 1,615  Term Corb. Inc.  Willis Lease Finance Corp.  33,042 1,615  Term Corbital Corp.  130,6113 1,693 Jewett-Cameron Trading Co. Ltd.  Willis Lease Finance Corp.  33,042 1,615  SiFCO Industries Inc.  Mega Matrix Corp.  Mega Matrix Corp.  Mesa Air Group Inc.  Huchoson Global Inc.  11,14386 1,560 Vice Solutions Inc.  12,133 "Velo3D Inc.  Mesa Air Group Inc.  Mesa Air Group Inc.  Mesa Air Group Inc.  Mesa Air Group Inc.  Hudson Global Inc.  14,533 2,264 Mesa Air Group Inc.  14,533 2,264 Mesa Air Group Inc.  15,0403 Inc.  16,10403 Inc.  17,10403 Inc.  18,10403 Inc.  19,10403 Inc.  11,11,110403 Inc.  11,110403 Inc.  11,110403 Inc.  11,110403 Inc.  12,10403 Inc.  11,110403 Inc.  11,110403 Inc.  12,1040 Inc.  12,10403 Inc.  13,1040 Inc.  14,533 2,343 1,749 Intuitive Machine Inc.  15,041	354,350	569
NN Inc.	818,583	567
Twin Disc Inc.	64,164	541
Non Disc inc.   144,884   2,338   Pydrotarm Foldings Group Inc.   144,884   2,338   Pydrotarm Foldings Group Inc.   2,118,481   2,339   Pioneer Power Solutions Inc.   Pioneer Power Power Solutions Inc.   Pioneer Power Solutions Inc.   Pioneer Power Solutions Inc.   Pioneer Power Solutions Inc.   Pioneer Pow	478,114	531
Gencor Industries Inc.	577,654	530
Orion Group Holdings Inc.	74,764	508
Innovative Solutions & Support Inc.	184,666	499
HireRight Holdings Corp. HireRight Holdings Corp. Mayville Engineering Co. Inc. Eastern Co. Karat Packaging Inc. PAM Transportation Services Inc. Mistras Group Inc. Virco Manufacturing Corp. Acme United Corp. EV Industries Inc. ARC Document Solutions Inc. Spire Global Inc. Manitex International Inc. Falcon's Beyond Global Inc. Class A Hurco Cos. Inc. Willis Lease Finance Corp. Jayan And And And And And And And And And An	474,206	479
Mayville Engineering Co. Inc.   144,533   2,084   1	30,771	479
Eastern Co.  Karat Packaging Inc.  PAM Transportation Services Inc.  Mistras Group Inc.  Virco Manufacturing Corp.  Acme United Corp.  EVI Industries Inc.  ARC Document Solutions Inc.  Spire Global Inc.  Manitex International Inc.  Falcon's Beyond Global Inc. Class A  1,993,486  1,943  1,744  1,746  Mestwater Resources Inc.  Manitex International Inc.  Falcon's Beyond Global Inc. Class A  1,999,428  1,702  Mills Lease Finance Corp.  Willis Lease Finance Corp.  BlackSky Technologies Inc.  1,396,113  1,590  Mega Matrix Corp.  Mega Matrix Corp.  Mega Matrix Corp.  Chicago Rivet & Machine Co.  Exponsible Holding Corp.  Mega Matrix Corp.  Mega Matrix Corp.  Chicago Rivet & Machine Co.  Exponsible Inc.  Sky Harbour Group Corp.  153,988  1,488  **  1,488  Lexica Feorstructures Inc.  Astra Space Inc. Class A  Orion Energy Systems Inc.  Astra Space Inc. Class A  PAM Transportation Services Inc.  Astra Space Inc. Class A  Inject Septem Inc.  Astra Space Inc. Class A  Mistras Group Inc.  Astra Space Inc. Class A  1,943  **  1,943  **  1,948  **  1,943  1,948  **  1,943  1,948  **  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,943  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,943  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948  1,948	1,137,907	452
Karat Packaging Inc.   78,371   1,948   1   Astra Space Inc. Class A   PAM Transportation Services Inc.   93,486   1,943   Orion Energy Systems Inc.   Astra Space Inc. Class A   Orion Energy Systems Inc.   PAM Transportation Services Inc.   93,486   1,943   Orion Energy Systems Inc.   PAM Transportation Services Inc.   93,486   1,943   Orion Energy Systems Inc.   Page Energy Inc.   Page E	164,968	421
PAM Transportation Services Inc.   93,486   1,943   Orion Energy Systems Inc.   4	152,271	416
Mistras Group Inc.   258,353   1,891   1   Tigo Energy Inc.	179,586	409
Virco Manufacturing Corp.   150,864   1,815   Fuel Tech Inc.	453,956	393
Acme United Corp. Acme United Corp. EVI Industries Inc. ARC Document Solutions Inc. Spire Global Inc. Spire Global Inc. Manitex International Inc. 199,531 1,744 Maritex International Inc. 199,531 1,744 Mills Lease Finance Corp. Willis Lease Finance Corp. 11 Terran Orbital Corp. 12 BlackSky Technology Inc. Class A 1,114,386 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560 1,560	176,330 347,857	369 365
EVI Industries Inc.  ARC Document Solutions Inc.  Spire Global Inc.  Spire Global Inc.  Manitex International Inc.  199,531 1,744 Westwater Resources Inc.  Falcon's Beyond Global Inc. Class A 139,961 1,722 Espey Manufacturing & Electronics Corp.  TuSimple Holdings Inc. Class A 1,939,428 1,702 Where Food Comes From Inc.  Hurco Cos. Inc.  Willis Lease Finance Corp.  33,042 1,615 SIFCO Industries Inc.  1 Terran Orbital Corp.  1 BlackSky Technology Inc. Class A 1,114,386 1,560 Ocean Power Technologies Inc.  Byrna Technologies Inc.  Quest Resource Holding Corp.  205,544 1,507 Chicago Rivet & Machine Co.  Exploration Terminatory  Exela Technologies Inc.  Exela Technologies Inc.  Exela Technologies Inc.  Sylf Condustries Inc.  Terran Orbital Corp.  Mega Matrix Corp.  Mega Matrix Corp.  Chicago Rivet & Machine Co.  Expion360 Inc.	601,903	361
ARC Document Solutions Inc.  Spire Global Inc.  Spire Global Inc.  Manitex International Inc.  199,531 1,744 Air T Inc.  Falcon's Beyond Global Inc. Class A 139,961 1,722 Espey Manufacturing & Electronics Corp.  TuSimple Holdings Inc. Class A 1,939,428 1,702 Where Food Comes From Inc.  Hurco Cos. Inc.  76,118 1,639 Jewett-Cameron Trading Co. Ltd.  Willis Lease Finance Corp.  33,042 1,615 SIFCO Industries Inc.  Terran Orbital Corp.  1,396,113 1,592 Steel Connect Inc.  BlackSky Technology Inc. Class A 1,114,386 1,560 1 Ocean Power Technologies Inc.  Byrna Technologies Inc.  242,576 1,550 Mega Matrix Corp.  Quest Resource Holding Corp.  205,544 1,507 Chicago Rivet & Machine Co.  Expion360 Inc.	105,337	354
Spire Global Inc.         223,318         1,746         Westwater Resources Inc.         8           Manitex International Inc.         199,531         1,744         Air T Inc.         1,746         Will Inc.         1,746         Air T Inc.         1,744         Air T Inc.         2,744         Air T Inc.         2,744         Air T Inc.         4,745         4,745         Where Food Comes From Inc.         4,745         4,745         4,745         4,745         4,745         4,745         5,744         5,744         4,745         5,744         1,550         4,745         5,744         1,507         2,745         2,754         1,507         2,745         2,745         2,742         4,748         4,748         4,748         4,748         4,748         4,748	52,557	347
Manitex International Inc.  199,531 1,744 Air T Inc.  Falcon's Beyond Global Inc. Class A 139,961 1,722 Espey Manufacturing & Electronics Corp.  TuSimple Holdings Inc. Class A 1,939,428 1,702 Where Food Comes From Inc. Hurco Cos. Inc.  76,118 1,639 Jewett-Cameron Trading Co. Ltd.  Willis Lease Finance Corp. 33,042 1,615 SIFCO Industries Inc.  Terran Orbital Corp. 1,396,113 1,592 Steel Connect Inc.  BlackSky Technology Inc. Class A 1,114,386 1,560 10 Ocean Power Technologies Inc.  Byrna Technologies Inc. 242,576 1,550 Mega Matrix Corp.  Quest Resource Holding Corp. 205,544 1,507 Chicago Rivet & Machine Co.  Sky Harbour Group Corp. 153,988 1,488 1 Expion360 Inc.	592,292	335
Falcon's Beyond Global Inc. Class A  133,961  1,722  Espey Manufacturing & Electronics Corp.  Where Food Comes From Inc.  Hurco Cos. Inc.  Willis Lease Finance Corp.  1,396,113  Falcon's Beyond Global Inc. Class A  1,939,428  1,702  Where Food Comes From Inc.  Jewett-Cameron Trading Co. Ltd.  SIFCO Industries Inc.  Steel Connect Inc.  Steel Connect Inc.  Steel Connect Inc.  Alega Matrix Corp.  Quest Resource Holding Corp.  242,576  Quest Resource Holding Corp.  205,544  1,507  Chicago Rivet & Machine Co.  Expion360 Inc.	19,387	320
**TuSimple Holdings Inc. Class A         1,939,428         1,702         Where Food Comes From Inc.           *Hurco Cos. Inc.         76,118         1,639         Jewett-Cameron Trading Co. Ltd.           *Willis Lease Finance Corp.         33,042         1,615         SIFCO Industries Inc.           **1 Terran Orbital Corp.         1,396,113         1,592         Steel Connect Inc.           **1 BlackSky Technology Inc. Class A         1,114,386         1,560         *1 Ocean Power Technologies Inc.           **Byrna Technologies Inc.         242,576         1,550         Mega Matrix Corp.           **Quest Resource Holding Corp.         205,544         1,507         Chicago Rivet & Machine Co.           **J         Sky Harbour Group Corp.         153,988         1,488         *1 Expion360 Inc.	16,768	314
Hurco Cos. Inc.         76,118         1,639         Jewett-Cameron Trading Co. Ltd.           *Willis Lease Finance Corp.         33,042         1,615         SIFCO Industries Inc.           *1 Terran Orbital Corp.         1,396,113         1,592         Steel Connect Inc.           *1 BlackSky Technology Inc. Class A         1,114,386         1,560         *1 Ocean Power Technologies Inc.           *Byrna Technologies Inc.         242,576         1,550         Mega Matrix Corp.           *Quest Resource Holding Corp.         205,544         1,507         Chicago Rivet & Machine Co.           *Jays Harbour Group Corp.         153,988         1,488         *1 Expion360 Inc.	21,320	290
*** Willis Lease Finance Corp.         33,042         1,615         * SIFCO Industries Inc.           ***1 Terran Orbital Corp.         1,396,113         1,592         * Steel Connect Inc.           ***1 BlackSky Technology Inc. Class A         1,114,386         1,560         * Ocean Power Technologies Inc.           ** Byrna Technologies Inc.         242,576         1,550         Mega Matrix Corp.           ** Quest Resource Holding Corp.         205,544         1,507         Chicago Rivet & Machine Co.           ** Sky Harbour Group Corp.         153,988         1,488         * Expion360 Inc.	53,321	285
*·1 BlackSkyTechnology Inc. Class A 1,114,386 1,560 *·1 Ocean Power Technologies Inc. 7  * Byrna Technologies Inc. 242,576 1,550 * Mega Matrix Corp. 7  * Quest Resource Holding Corp. 205,544 1,507 Chicago Rivet & Machine Co. 8  * Sky Harbour Group Corp. 153,988 1,488 *·1 Expion360 Inc.	59,551	270
*·1 BlackSkyTechnology Inc. Class A 1,114,386 1,560 *·1 Ocean Power Technologies Inc. 7  * Byrna Technologies Inc. 242,576 1,550 * Mega Matrix Corp. 7  * Quest Resource Holding Corp. 205,544 1,507 Chicago Rivet & Machine Co. 8  * Sky Harbour Group Corp. 153,988 1,488 *·1 Expion360 Inc.	26,479	252
* Quest Resource Holding Corp. 205,544 1,507 Chicago Rivet & Machine Co.  * Sky Harbour Group Corp. 153,988 1,488 *.1 Expion360 Inc.	753,871	238
*.1 Sky Harbour Group Corp. 205,544 1,507 Chicago Rivet & Machine Co.  *.1 Sky Harbour Group Corp. 153,988 1,488 *.1 Expion360 Inc.	150,882	213
3ky Harbour Group Corp. 150,000 1,400 Exploritoo inc.	12,203	207
* Hyliion Holdings Corp. 1.800,424 1.465 *,1 Xos Inc	39,179	206
11/11/01/11/10/11/19/10/11/11/11/11/11/11/11/11/11/11/11/11/	24,861	194
* Perma-Fix Environmental Services Inc. 184,484 1,450 *.1 View Inc.	49,458	180
Virira inc. 14,434 1,396 · Ideanomics inc.	89,726	179
BGSF Inc. 146,036 1,373 *,1 Air Industries Group	53,709	175
	922,983	171
Beam Global 176,000 1,200 Compx international inc.	6,705	169
Marklorged Holding Corp. 1,487,790 1,220 Orban-Gro Inc.	111,102	156
Babcock & Wilcox Enterprises inc. 613,414 1,100 Professional Diversity Network inc.	75,021	152
1,000,074 1,100 outcos technology & hobbites corp.	199,748	144 125
*·¹ Odyssey Marine Exploration Inc. Class B 247,693 1,152 *·¹ Energous Corp. *¹ 374Water Inc. 807,554 1,147 *·¹ Bitcoin Depot Inc.	68,443 38,004	125
507,554 1,147 Bitcoin Bepot inc.		123 121
Bridger Aerospace Group Holdings Inc. 105,452 1,145 AgEagle Aerial Systems Inc. 1,	1,154,532 506,225	121
Tryzon Motors inc.	470,350	113
3011 All Wobility Inc. 977,022 1,000 detailed inc.	468,374	110
* Alpha Pro Tech Ltd. 194,654 1,030 *,1 LiqTech International Inc.	31,265	106

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Wilhelmina International Inc.	23,052	93	*	Elastic NV	1,197,380	134,945
*,1	Safe & Green Holdings Corp.	195,578	92	*	Guidewire Software Inc.	1,212,614	132,223
*,1	Optex Systems Holdings Inc.	13,331	88		Universal Display Corp.	637,191	121,869
*,1	Nauticus Robotics Inc.	125,161	85	*,1	MicroStrategy Inc. Class A	185,611	117,236
*,1	Dragonfly Energy Holdings Corp.	124,806	68	*	Dropbox Inc. Class A	3,764,440	110,976
*	TOMI Environmental Solutions Inc.	66,377	67	*	BILL Holdings Inc.	1,351,717	110,287
*,1	Jet.Al Inc.	42,979	62	*	Onto Innovation Inc.	719,979	110,085
*,1	Sidus Space Inc. Class A	6,332	56		Rambus Inc.	1,573,224	107,373
*	DSS Inc.	434,597	52	*	Cognex Corp.	2,545,916	106,267
*,1	Shapeways Holdings Inc.	21,179	52	*	Qualys Inc.	537,429	105,487
*	JanOne Inc. FGI Industries Ltd.	73,304	41 40	*	SPS Commerce Inc. Fabrinet	542,414 537,943	105,142
*	Laser Photonics Corp.	24,551 32,357	40 38		Littelfuse Inc.	369,099	102,387 98,756
*	Avalon Holdings Corp. Class A	15,500	36 37	*	SentinelOne Inc. Class A	3,582,203	98,296
*,1	Momentus Inc.	19,933	34	*	Ciena Corp.	2,181,690	98,198
*,1	Polar Power Inc.	80,105	33	*	Arrow Electronics Inc.	798,597	97,628
*,1	iSun Inc.	97,573	31	*	Smartsheet Inc. Class A	2,000,921	95,684
*	Pineapple Energy Inc.	52,951	31		MKS Instruments Inc.	929,210	95,588
*	Nuvve Holding Corp.	177,956	22	*	Aspen Technology Inc.	415,061	91,376
*	Mobile Infrastructure Corp. Class A	5,406	22	*	Procore Technologies Inc.	1,317,659	91,208
*	Art's-Way Manufacturing Co. Inc.	10,164	21	*	Novanta Inc.	530,020	89,261
*	iPower Inc.	46,964	21	*	Coherent Corp.	1,950,442	84,903
*,1	Applied UV Inc.	9,195	21	*	Five9 Inc.	1,076,767	84,731
*,1	Nuburu Inc.	134,105	20	*	Wolfspeed Inc.	1,856,516	80,777
*,1	Nxu Inc. Class A	8,128	19	*	Samsara Inc. Class A	2,419,391	80,759
*,1	Energy Focus Inc.	11,850	18		TD SYNNEX Corp.	750,327	80,743
*	CEA Industries Inc.	30,150	16	*	Gitlab Inc. Class A	1,281,444	80,680
*,1	Fathom Digital Manufacturing C	3,456	15		Tenable Holdings Inc.	1,741,808	80,228
*,1	Greenwave Technology Solutions Inc.	22,716	13		SolarEdge Technologies Inc.	845,411	79,130
*	Gaucho Group Holdings Inc.	22,058	13	*,1	Vontier Corp.	2,278,809	78,733
*,1	Staffing 360 Solutions Inc.	30,990	12	*	Marathon Digital Holdings Inc.	3,294,348	77,384
*,1	Agrify Corp. Royalty Management Holding Corp.	9,557 5,608	11 10	*	AppLovin Corp. Class A Confluent Inc. Class A	1,920,196 3,254,521	76,520 76,156
*,1	Ault Alliance Inc.	16,916	2	*	DoubleVerify Holdings Inc.	2,062,284	75,851
*	Electriq Power Holdings Inc.	5,708	2		Dolby Laboratories Inc. Class A	874,349	75,351
*,1	ShiftPixy Inc.	280	2	*	MACOM Technology Solutions Holdings Inc.	791,442	73,565
*,1,2		82,837	_	*	Varonis Systems Inc. Class B	1,608,955	72,853
	T I TOUTON TO	02,007		*	Insight Enterprises Inc.	407,142	72,141
16			16,419,321	*	Workiva Inc. Class A	704,997	71,578
into	ormationTechnology (18.8%) Snowflake Inc. Class A	4 704 040	040 144	*	Kyndryl Holdings Inc.	3,393,677	70,521
*	Crowdstrike Holdings Inc. Class A	4,724,340 3,345,466	940,144 854,164	*	Altair Engineering Inc. Class A	812,881	68,404
*	Workday Inc. Class A	3,058,563	844,347		Power Integrations Inc.	824,499	67,700
	Marvell Technology Inc.	12,745,623	768,689		Avnet Inc.	1,338,756	67,473
*	Atlassian Corp. Class A	2,293,046	545,424		Badger Meter Inc.	434,075	67,008
*	Datadog Inc. Class A	4,468,669	542,407	*	DXC Technology Co.	2,865,324	65,530
*	Palantir Technologies Inc. Class A	28,502,001	489,379	*	Synaptics Inc.	574,387	65,526
*	HubSpot Inc.	744,643	432,295	*	Cirrus Logic Inc.	781,204	64,988
*	MongoDB Inc. Class A	1,054,666	431,200		Teradata Corp.	1,438,741	62,600
*	Cloudflare Inc. Class A	4,376,742	364,408		Axcelis Technologies Inc.	479,772	62,222
*	Splunk Inc.	2,281,728	347,621		Silicon Laboratories Inc.	465,884	61,622
*	Zscaler Inc.	1,306,588	289,488	*	Advanced Energy Industries Inc.	551,701	60,091
	Dell Technologies Inc. Class C	3,723,323	284,834	*	Freshworks Inc. Class A	2,515,504	59,089
*	Zoom Video Communications Inc. Class A	3,760,385	270,409	*	Blackbaud Inc.	632,940	54,876
	Entegris Inc.	2,203,335	264,004	*	Box Inc. Class A	2,133,097	54,629
*	GoDaddy Inc. Class A	2,074,895	220,271	*	Diodes Inc. Appfolio Inc. Class A	664,517 301,580	53,507 52,246
	Okta Inc. Class A	2,321,961	210,207	*	Lumentum Holdings Inc.	989,265	52,240
*	Twilio Inc. Class A	2,682,496	203,521	*	Rapid7 Inc.	907,279	51,806
*	Super Micro Computer Inc.	683,773	194,369	*	Aurora Innovation Inc. Class A	11,775,650	51,460
*	Manhattan Associates Inc.	899,758	193,736	*	CommVault Systems Inc.	643,067	51,349
*	Dynatrace Inc.	3,505,467	191,714	*	Itron Inc.	669,910	50,585
	DocuSign Inc. Class A	3,002,110	178,475		Amkor Technology Inc.	1,497,687	49,828
*	Bentley Systems Inc. Class B Nutanix Inc. Class A	3,392,456 3,608,029	177,018 172,067	*	ACI Worldwide Inc.	1,606,323	49,153
*	Pure Storage Inc. Class A	4,314,482	172,067 153,854	*	IPG Photonics Corp.	441,708	47,943
*	UiPath Inc. Class A	6,020,552	149,550		Belden Inc.	619,069	47,823
*	Unity Software Inc.	3,533,027	149,550	*	Alarm.com Holdings Inc.	737,106	47,632
*	Lattice Semiconductor Corp.	2,036,787	140,518	*	FormFactor Inc.	1,141,897	47,629

			Market Value•				Market Value*
_		Shares	(\$000)			Shares	(\$000)
*,1 *	Riot Platforms Inc. BlackLine Inc.	3,063,105 749,951	47,386 46,827	*,1 *	PAR Technology Corp.	408,826 458,215	17,800 17,421
*	Alteryx Inc. Class A	944,769	44,555	*	Intapp Inc. Informatica Inc. Class A	589,832	16,745
	Vishay Intertechnology Inc.	1,856,884	44,509	*	Diebold Nixdorf Inc.	542,890	15,717
	Kulicke & Soffa Industries Inc.	810,361	44,343	*	indie Semiconductor Inc. Class A	1,894,348	15,363
*	Sprout Social Inc. Class A	719,633	44,214	*	SMART Global Holdings Inc.	797,351	15,094
*	Plexus Corp. Sanmina Corp.	404,461 843,071	43,734 43,309		EngageSmart Inc. Napco SecurityTechnologies Inc.	654,095 433,592	14,979 14,851
*	CCC Intelligent Solutions Holdings Inc.	3,691,119	42,042	*	Navitas Semiconductor Corp. Class A	1,824,973	14,728
*	RingCentral Inc. Class A	1,234,634	41,916		Benchmark Electronics Inc.	530,374	14,660
	InterDigital Inc.	373,786	40,571	*	Everbridge Inc.	602,239	14,640
	Crane NXT Co.	710,949	40,432	*	PDF Solutions Inc.	447,535	14,384
*,1	C3.ai Inc. Class A	1,386,827	39,816	*	Ichor Holdings Ltd.	426,491	14,343
*	Braze Inc. Class A HashiCorp Inc. Class A	746,698 1,636,790	39,672 38,694	*	ScanSource Inc. Alkami Technology Inc.	360,097 582,840	14,263 14,134
*	Calix Inc.	864,906	37,788	*,1	Infinera Corp.	2,928,379	13,910
*	Clearwater Analytics Holdings Inc. Class A	1,876,990	37,596	*	Model N Inc.	511,107	13,764
*	Q2 Holdings Inc.	863,336	37,477	*	Jamf Holding Corp.	760,762	13,739
*	LiveRamp Holdings Inc.	967,698	36,656	*	A10 Networks Inc.	1,039,631	13,692
*	Envestnet Inc. Credo Technology Group Holding Ltd.	733,882 1,856,305	36,342 36,142	*	Amplitude Inc. Class A Digi International Inc.	1,075,572 525,284	13,681 13,657
	Progress Software Corp.	641,603	34,839	*	ACM Research Inc. Class A	685.369	13,392
*	Ambarella Inc.	560,565	34,357	*	Arlo Technologies Inc.	1,389,946	13,232
*	Perficient Inc.	513,115	33,773	*	N-able Inc.	996,091	13,198
*	Extreme Networks Inc.	1,908,470	33,665		Methode Electronics Inc.	538,616	12,243
*	NCR Voyix Corp.	1,980,838	33,496	*	Bel Fuse Inc. Class B	179,861	12,009
*	Viavi Solutions Inc. Rogers Corp.	3,313,600 246,126	33,368 32,506		Cerence Inc. PC Connection Inc.	592,362 172,596	11,646 11,600
*	PagerDuty Inc.	1,372,248	31,768	*	E2open Parent Holdings Inc.	2,584,789	11,347
*	Fastly Inc. Class A	1,772,000	31,542	*	AvePoint Inc.	1,363,313	11,193
*	SiTime Corp.	258,192	31,520	*	Grid Dynamics Holdings Inc.	805,958	10,743
*,1	ePlus Inc.	394,556	31,501	*,1 *	Klaviyo Inc. Class A	375,103	10,420
*	lonQ Inc. Allegro MicroSystems Inc.	2,535,221 1,036,171	31,411 31,365	*,1	Kimball Electronics Inc. Aehr Test Systems	383,962 389,357	10,348 10,330
*	OSI Systems Inc.	239,075	30,853	*	Couchbase Inc.	454,257	10,230
*	Viasat Inc.	1,103,080	30,831	*,1	Applied Optoelectronics Inc.	511,110	9,875
	Pegasystems Inc.	628,252	30,696	*	BigCommerce Holdings Inc.	993,394	9,666
*	Xerox Holdings Corp.	1,659,090	30,411	*	nLight Inc.	714,982	9,652
*	nCino Inc.	900,031	30,268	*	SolarWinds Corp.	747,636	9,338 9,315
*	Impinj Inc. Photronics Inc.	334,871 914,197	30,148 28,678	*	Matterport Inc. Digital Turbine Inc.	3,462,751 1,350,898	9,267
*	Mirion Technologies Inc. Class A	2,692,403	27,597	*	Mitek Systems Inc.	704,259	9,184
*	DigitalOcean Holdings Inc.	744,208	27,305	*	Olo Inc. Class A	1,599,593	9,150
*	MaxLinear Inc. Class A	1,090,954	25,932	*	Yext Inc.	1,541,001	9,076
*	Clear Secure Inc. Class A	1,245,888 948,401	25,728 25,635	*	Corsair Gaming Inc.	620,566	8,750
*	Verint Systems Inc. Veeco Instruments Inc.	820,967	25,635 25,475	*	CommScope Holding Co. Inc. SmartRent Inc. Class A	3,099,039 2,729,282	8,739 8,706
*	Agilysys Inc.	298,926	25,355		Ubiquiti Inc.	61,812	8,626
*	Cleanspark Inc.	2,264,759	24,980	*,1	Lightwave Logic Inc.	1,712,689	8,529
*	Squarespace Inc. Class A	753,178	24,862	*	Alpha & Omega Semiconductor Ltd.	322,316	8,400
*	Cohu Inc.	686,724	24,303	*	CEVA Inc.	359,997	8,176
*	PROS Holdings Inc. TTM Technologies Inc.	625,791 1,517,458	24,274 23,991		Hackett Group Inc. ADTRAN Holdings Inc.	357,916 1,074,094	8,150 7,884
*	Knowles Corp.	1,323,768	23,709	*,1	Digimarc Corp.	216,101	7,804
*	Ultra Clean Holdings Inc.	685,989	23,420	*	MeridianLink Inc.	305,501	7,567
*	Appian Corp. Class A	611,992	23,048	*,1	MicroVision Inc.	2,771,041	7,371
*	NetScout Systems Inc.	1,045,170	22,941	*	Instructure Holdings Inc.	270,789	7,314
*	Asana Inc. Class A	1,180,334	22,438	*	Xperi Inc. Consensus Cloud Solutions Inc.	657,132 271,927	7,242 7125
*	Harmonic Inc. Semtech Corp.	1,648,784 942,978	21,500 20,661	*	Vishay Precision Group Inc.	271,827 208,474	7,125 7,103
	CTS Corp.	459,389	20,001	*	NETGEAR Inc.	468,581	6,832
*	PowerSchool Holdings Inc. Class A	844,285	19,891	*	Thoughtworks Holding Inc.	1,418,977	6,825
*	Zeta Global Holdings Corp. Class A	2,235,084	19,713	*	8x8 Inc.	1,805,420	6,824
*	Adeia Inc.	1,578,504	19,558	*,1	FARO Technologies Inc.	291,058	6,558
*	Vertex Inc. Class A Sprinklr Inc. Class A	696,766 1,556,033	18,771 18,735	*,1	SoundHound Al Inc. Class A Blend Labs Inc. Class A	3,033,985 2,429,086	6,432 6,194
*	Zuora Inc. Class A	1,934,328	18,183	*,1	Applied Digital Corp.	905,614	6,104
		.,,	/		1-1	333,3.1	3,.01

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*	Unisys Corp.	1,079,220	6,065	-	CSP Inc.	58,064	1,161
*	SEMrush Holdings Inc. Class A	430,309	5,878	*	KVH Industries Inc.	220,329	1,159
	American Software Inc. Class A	511,963	5,785	*,1 *	Wrap Technologies Inc.	373,039	1,156
*,1	NVE Corp. Clearfield Inc.	72,132 193,612	5,657 5,630	*	Genasys Inc. M-Tron Industries Inc.	557,665 31,573	1,132 1,127
*	Aviat Networks Inc.	167,276	5,463	*	Aeva Technologies Inc.	1,365,249	1,127
*	Evolv Technologies Holdings Inc.	1,136,658	5,365		Frequency Electronics Inc.	93,838	1,028
*	OneSpan Inc.	499,022	5,350	*	SecureWorks Corp. Class A	136,354	1,006
*	Daktronics Inc.	626,137	5,310	*	Cambium Networks Corp.	156,165	937
*	ON24 Inc. Enfusion Inc. Class A	662,626 525,816	5,221 5,100	*,1	Pixelworks Inc. Veritone Inc.	663,718 466,521	869 844
*	Domo Inc. Class B	482,417	4,964	*	TransAct Technologies Inc.	119.373	833
*	Weave Communications Inc.	414,886	4,759	*,1	Akoustis Technologies Inc.	989,060	825
*	Backblaze Inc. Class A	624,963	4,743	*	Synchronoss Technologies Inc.	131,634	817
* 1	LivePerson Inc.	1,122,286	4,253	1	SilverSun Technologies Inc.	46,703	799
*,1 *,1	Terawulf Inc. Tucows Inc. Class A	1,765,586	4,237	*,1 *,1	Ondas Holdings Inc.	513,054 892,354	785 785
*	Eastman Kodak Co.	144,551 992,378	3,903 3,870	*	D-Wave Quantum Inc. WM Technology Inc.	1,087,301	785 783
*	908 Devices Inc.	338,125	3,794	*	Amtech Systems Inc.	175,185	736
*,1	Ouster Inc.	491,955	3,773	*	Sono-Tek Corp.	137,634	714
*	Porch Group Inc.	1,213,243	3,737	*	Key Tronic Corp.	156,477	676
*	Climb Global Solutions Inc.	66,690	3,657	*	Issuer Direct Corp.	36,699	665
	Ribbon Communications Inc. Comtech Telecommunications Corp.	1,193,922 405,149	3,462 3,415	*,1	Edgio Inc. Rubicon Technologies Inc. Class A	1,892,566 348,823	648 645
*	SoundThinking Inc.	125.531	3,206	*	Inuvo Inc.	1,411,029	600
*,1	SkyWater Technology Inc.	328,647	3,162	*,1	Dave Inc.	70,645	592
*	Luna Innovations Inc.	472,743	3,144	*,1	Stronghold Digital Mining Inc. Class A	80,567	588
*,1	Rekor Systems Inc.	937,533	3,122	*	Smith Micro Software Inc.	706,442	584
*	Immersion Corp.	437,813	3,091	*,1	GSI Technology Inc.	216,448	571 547
*	Iteris Inc. CS Disco Inc.	589,281 399,811	3,064 3,035	*	Focus Universal Inc. Airgain Inc.	374,994 152,243	547 542
*,1	Red Violet Inc.	150,073	2,997	*	Quantum Corp.	1,535,792	536
*,1	NextNav Inc.	650,077	2,893	*	LightPath Technologies Inc. Class A	424,658	535
*	EverCommerce Inc.	262,235	2,892	*	Franklin Wireless Corp.	146,912	498
*	Kopin Corp.	1,424,025	2,891	* 1	Intellicheck Inc.	243,594	463
*	Telos Corp. QuickLogic Corp.	755,369 195,221	2,757 2,706	*,1 *	Coda Octopus Group Inc. DZS Inc.	75,655 229,401	454 452
*	Turtle Beach Corp.	243,612	2,700	*	AudioEye Inc.	82,976	452
*	Identiv Inc.	321,669	2,651	*	CVD Equipment Corp.	100,702	446
*,1	Cipher Mining Inc.	634,359	2,620	*	authID Inc.	45,426	430
*,1	Atomera Inc.	369,491	2,590	*,1 *	Research Frontiers Inc.	411,436	416
*	eGain Corp.	306,912	2,557	*	DecisionPoint Systems Inc.	65,767	412
*	Rimini Street Inc. Lantronix Inc.	760,275 405,729	2,486 2,378	*	NetSolTechnologies Inc. Movano Inc.	188,484 512,874	405 401
	Information Services Group Inc.	476,239	2,243	*	Data I/O Corp.	131,906	388
*	inTEST Corp.	161,574	2,197	*	CPS Technologies Corp.	164,742	387
*	Everspin Technologies Inc.	239,185	2,162	*	LGL Group Inc.	61,008	375
*	Richardson Electronics Ltd.	161,606	2,157	*	ZeroFox Holdings Inc.	426,975	371
1	Rackspace Technology Inc. ReposiTrak Inc.	970,155 191,260	1,940 1,914	*,1	EMCORE Corp.  Movella Holdings Inc.	754,981 588,741	369 356
*,1	BigBear.ai Holdings Inc.	847,209	1,813	*	One Stop Systems Inc.	169,292	355
*	Powerfleet Inc.	529,800	1,812	*	Red Cat Holdings Inc.	402,998	355
*,1	Vuzix Corp.	857,111	1,787	*,1	Meta Materials Inc.	5,342,305	353
*	Upland Software Inc.	413,665	1,750	*,1	Greenidge Generation Holdings Inc. Class A	52,169	350
*	Intevac Inc.	393,579	1,700	*,1	Quantum Computing Inc.	378,953	346
*	Kaltura Inc. Arteris Inc.	871,096 286,887	1,699 1,690	*	Crexendo Inc. Research Solutions Inc.	67,950 124,461	330 324
*	Expensify Inc. Class A	634,087	1,566	*	RF Industries Ltd.	124,461 105,170	324
*	Brightcove Inc.	594,426	1,540	*,1	Neonode Inc.	139,362	319
*	Viant Technology Inc. Class A	202,577	1,396	1	VirnetX Holding Corp.	45,281	317
*	AXT Inc.	577,904	1,387	*	Mawson Infrastructure Group Inc.	98,002	314
*,1	AstroNova Inc.	84,578	1,375	*	Aware Inc.	182,524	303
*	Rigetti Computing Inc.	1,344,747 361 933	1,324 1,321	*	Casa Systems Inc.	538,466 101,263	285 273
*	Transphorm Inc. CPI Card Group Inc.	361,933 63,608	1,321	*,1	Optical Cable Corp. Inseego Corp.	101,263 1,190,163	273 262
*	CoreCard Corp.	84,857	1,174	*	WidePoint Corp.	102,130	237
*,1	CompoSecure Inc.	217,219	1,173	*	SigmaTron International Inc.	77,301	232

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
*,1	Alpine 4 Holdings Inc.	290,863	214	Ma	terials (4.3%)		
*	TSR Inc.	22,667	204		Reliance Steel & Aluminum Co.	843,616	235,943
*,1	BK Technologies Corp.	16,526	202		RPM International Inc.	1,906,818	212,858
*	AmpliTech Group Inc.	103,829	198		Crown Holdings Inc.	1,778,791	163,809
*	Electro-Sensors Inc.	51,424	194	*	United States Steel Corp.	3,293,635	160,235
* 1	Trio-Tech International	36,381	184	*	Cleveland-Cliffs Inc.	7,470,225	152,542
*,1	Interlink Electronics Inc.	13,613	174		AptarGroup Inc.	964,318	119,209
*	Presto Automation Inc.	317,079	169		Berry Global Group Inc.	1,745,589	117,635
*	BTCS Inc.	87,854	143		Royal Gold Inc.	970,945	117,446
*	Glimpse Group Inc.	116,434 45,457	132 131	*	Graphic Packaging Holding Co. Axalta Coating Systems Ltd.	4,524,786	111,536 110,606
*	Duos Technologies Group Inc. Data Storage Corp.	45,457 45,382	131		Eagle Materials Inc.	3,255,979 512,214	103,898
*,1	Vislink Technologies Inc.	33,462	129		Olin Corp.	1,815,101	97,925
*	CalAmp Corp.	502,346	126		Alcoa Corp.	2,640,921	89,791
	ClearOne Inc.	114,784	124		Commercial Metals Co.	1,730,114	86,575
*	VerifyMe Inc.	106,857	120	*	ATI Inc.	1,881,581	85,556
*	Astrotech Corp.	13,863	118		Sonoco Products Co.	1,455,629	81,326
*,1	reAlpha Tech Corp.	57,800	115		Sealed Air Corp.	2,126,943	77,676
*	Cepton Inc.	35,764	112		Element Solutions Inc.	3,280,740	75,916
*	Blackboxstocks Inc.	39,297	111		Balchem Corp.	476,807	70,925
*,1	Phunware Inc.	1,323,060	108		Chemours Co.	2,211,884	69,763
*,1	AEye Inc.	46,220	106		Cabot Corp.	821,338	68,582
*	Bridgeline Digital Inc.	110,790	96	*	Summit Materials Inc. Class A	1,764,678	67,870
*,1	Remark Holdings Inc.	191,066	95		Louisiana-Pacific Corp.	946,956	67,073
*,1	Boxlight Corp. Class A	87,801	94		Westlake Corp.	471,377	65,974
	Socket Mobile Inc.	67,150	79		HB Fuller Co.	795,884	64,793
*,1	Universal Security Instruments Inc.	47,378	79		Ashland Inc.	757,076	63,829
*,1	Taitron Components Inc. Class A Sobr Safe Inc.	21,640	76 70		Huntsman Corp.	2,440,814	61,338
*,1	Marin Software Inc.	148,945 181,298	70 66		Alpha Metallurgical Resources Inc. NewMarket Corp.	174,502 102,951	59,142 56,194
*,1	Digital Ally Inc.	30,556	64		Avient Corp.	1,337,934	55,618
*,1	CISO Global Inc.	588,914	60	*	Knife River Corp.	834,925	55,255
*,1	T Stamp Inc. Class A	44,099	60		Silgan Holdings Inc.	1,202,550	54,415
*,1	Intrusion Inc.	223,729	57		Carpenter Technology Corp.	735,995	52,108
*	Peraso Inc.	187,583	52	*,1	Livent Corp.	2,655,658	47,749
*,1	GSE Systems Inc.	25,559	52		Warrior Met Coal Inc.	766,931	46,760
*	Nortech Systems Inc.	4,884	46		Innospec Inc.	366,679	45,190
*,1	Intellinetics Inc.	8,825	45		Arch Resources Inc.	270,374	44,866
*	Sonim Technologies Inc.	59,810	44		Quaker Chemical Corp.	204,066	43,552
*,1	Auddia Inc.	154,558	39	*	MP Materials Corp.	2,140,426	42,488
*,1	CXApp Inc.	27,801	36		Sensient Technologies Corp.	622,321	41,073
*,1	Airspan Networks Holdings Inc.	394,024	35		Hecla Mining Co.	8,434,709	40,571
*,1	Inpixon	580,094	33		Materion Corp.	303,130	39,446
*,1	Cemtrex Inc.	6,772	33	*	Scotts Miracle-Gro Co.	618,034	39,400
*,1	MariaDB plc	119,196	33		O-I Glass Inc.	2,285,857	37,442
*,1	Soluna Holdings Inc.	7,454	30	* 1	Minerals Technologies Inc.	478,996	34,157
*,1	CYNGN Inc.	186,493	27	,'	Ginkgo Bioworks Holdings Inc. Class A	19,811,885	33,482
*,1	DatChat Inc. Castellum Inc.	9,288 83,675	27 25		Stepan Co. Greif Inc. Class A	313,523 430,312	29,644 28,224
*	Iveda Solutions Inc.	39,559	25 25		Sylvamo Corp.	519,690	25,522
*	OMNIQ Corp.	39,407	25		Tronox Holdings plc	1,697,390	24,035
*	ADDvantage Technologies Group Inc.	9,642	24		Orion SA	852,288	23,634
*,1	COMSovereign Holding Corp.	27,468	22	*	Ingevity Corp.	499,717	23,597
	Network-1 Technologies Inc.	9,774	21		Hawkins Inc.	290,771	20,476
*,2	SRAX Inc.	284,252	20	*	Coeur Mining Inc.	5,898,372	19,229
*	Bio-key International Inc.	6,653	20		Kaiser Aluminum Corp.	237,933	16,938
*,1	WaveDancer Inc.	11,093	19		Koppers Holdings Inc.	319,402	16,360
*	Minim Inc.	8,992	18		TriMas Corp.	630,536	15,972
*	Sigma Additive Solutions Inc.	5,427	16		Ryerson Holding Corp.	432,365	14,994
*,1	Verb Technology Co. Inc.	68,376	12	*	Ecovyst Inc.	1,526,790	14,917
*,1	Akerna Corp.	24,000	10	*	TimkenSteel Corp.	588,716	13,805
*,1	Oblong Inc.	45,359	9		SunCoke Energy Inc.	1,236,752	13,283
*,1	FOXO Technologies Inc.	24,238	8		Compass Minerals International Inc.	506,524	12,825
*,1	WiSA Technologies Inc.	45,800	5	,	Mativ Holdings Inc.	835,643	12,794
*	Spectaire Holdings Inc.	504	1	*	Aspen Aerogels Inc.	802,686	12,666
-	Actelis Networks Inc.	200		-	Worthington Steel Inc.	447,288	12,569
		1	8,308,623		AdvanSix Inc.	409,095	12,257

		Shares	Market Value* (\$000)			Shares	Market Value* (\$000)
	Schnitzer Steel Industries Inc. Class A	385,520	11,627		Lamar Advertising Co. Class A	1,290,789	137,185
	Haynes International Inc.	197,413	11,262	*	Jones Lang LaSalle Inc.	704,526	133,064
_	Myers Industries Inc.	555,894	10,868		EastGroup Properties Inc.	686,532	126,006
*	Perimeter Solutions SA	2,259,978	10,396		Americold Realty Trust Inc.	3,951,651	119,616
_	Olympic Steel Inc.	148,510	9,906		NNN REIT Inc.	2,686,456	115,786
*	Century Aluminum Co.	773,007	9,384		Omega Healthcare Investors Inc.	3,625,721	111,165
	Clearwater Paper Corp.	253,979	9,174		STAG Industrial Inc.	2,688,552	105,553
*,1	Pactiv Evergreen Inc.	611,039	8,377		Brixmor Property Group Inc.	4,448,118	103,508
1	PureCycle Technologies Inc.	1,998,707	8,095		First Industrial Realty Trust Inc.	1,958,807	103,170
*	Ramaco Resources Inc. Class A LSB Industries Inc.	470,174 859,867	8,078 8,005		Healthcare Realty Trust Inc. Class A Ryman Hospitality Properties Inc.	5,647,898 882,450	97,313 97,122
*	Piedmont Lithium Inc.	279,765	7,898		Agree Realty Corp.	1,489,342	93,754
	United States Lime & Minerals Inc.	29,461	6,786		Spirit Realty Capital Inc.	2,071,495	90,504
	Mercer International Inc.	640,591	6,073		Terreno Realty Corp.	1,242,517	77,869
	American Vanguard Corp.	447,788	4,912		Apartment Income REIT Corp. Class A	2,155,588	74,864
*	Gatos Silver Inc.	695,896	4,512		Kite Realty Group Trust	3,249,132	74,004
*,1	McEwen Mining Inc.	594,272	4,285		Rayonier Inc.	2,022,447	67,570
	Trinseo plc	511,396	4,280		Vornado Realty Trust	2,366,394	66,851
*	Rayonier Advanced Materials Inc.	959,517	3,886		Phillips Edison & Co. Inc.	2,300,394 1,771,472	64,623
*,1	American Battery Technology Co.	783,708	3,676		Kilroy Realty Corp.	1,577,452	62,846
*	Ranpak Holdings Corp. Class A	580,594	3,379		Essential Properties Realty Trust Inc.	2,294,005	58,635
*	Intrepid Potash Inc.	136,892	3,270		PotlatchDeltic Corp.	1,170,454	57,469
	Kronos Worldwide Inc.	303.357	3,270		Cousins Properties Inc.	2,236,367	54.456
*	Alto Ingredients Inc.	1,042,887	2,774		EPR Properties	1,111,058	53,831
*	Smith-Midland Corp.	59,997	2,774		Apple Hospitality REIT Inc.	3,137,674	52,117
*	Universal Stainless & Alloy Products Inc.	117,992	2,369		Independence Realty Trust Inc.	3,303,494	50,543
	Ramaco Resources Inc. Class B	176,917	2,355		Macerich Co.	3,172,138	48,946
*	Core Molding Technologies Inc.	111,989	2,075		Sabra Health Care REIT Inc.	3,405,601	48,598
	Tredegar Corp.	382,334	2,068		National Storage Affiliates Trust	1,148,347	47,622
*	Dakota Gold Corp.	780,224	2,044		Park Hotels & Resorts Inc.	3,101,116	47,447
*,1	Origin Materials Inc.	1,744,951	1,459		Broadstone Net Lease Inc.	2,751,165	47,375
	Friedman Industries Inc.	93,681	1,448		Physicians Realty Trust	3,505,104	46,653
*	Glatfelter Corp.	730,566	1,417	1	Medical Properties Trust Inc.	8,853,945	43,473
	Northern Technologies International Corp.	111,967	1,319		Tanger Inc.	1,551,198	42,999
*,1	Danimer Scientific Inc. Class A	1,248,536	1,274	1	SL Green Realty Corp.	950,311	42,926
*,1	Loop Industries Inc.	332,490	1,257		LXP Industrial Trust	4,290,982	42,567
*,1	Contango ORE Inc.	59,864	1,084		COPT Defense Properties	1,652,229	42,347
*	Idaho Strategic Resources Inc.	169,246	1,072		Innovative Industrial Properties Inc.	414,916	41,832
*	Ascent Industries Co.	110,651	1,058	*	Howard Hughes Holdings Inc.	478,502	40,936
*	Advanced Emissions Solutions Inc.	336,668	1,003		CareTrust REIT Inc.	1,762,011	39,434
*,1	Flotek Industries Inc.	163,769	642	*	Opendoor Technologies Inc.	8,498,534	38,073
*	US Gold Corp.	143,623	610		DigitalBridge Group Inc.	2,119,144	37,170
*,1	5E Advanced Materials Inc.	422,291	595		Highwoods Properties Inc.	1,567,935	36,000
*,1	Hycroft Mining Holding Corp. Class A	235,039	576		SITE Centers Corp.	2,638,919	35,968
	Greif Inc. Class B	8,157	538		National Health Investors Inc.	639,124	35,695
*	Ampco-Pittsburgh Corp.	180,060	492		Douglas Emmett Inc.	2,452,981	35,568
*	Gold Resource Corp.	1,281,600	482		Four Corners Property Trust Inc.	1,327,819	33,594
*	Solitario Resources Corp.	786,156	440		Sunstone Hotel Investors Inc.	3,046,804	32,692
*	United States Antimony Corp.	1,198,945	299		Urban Edge Properties	1,725,287	31,573
*	ASP Isotopes Inc.	157,697	282		St. Joe Co.	523,091	31,480
*,1	US Goldmining Inc.	18,138	132		Outfront Media Inc.	2,137,571	29,840
*	Paramount Gold Nevada Corp.	190,456	71	*	Zillow Group Inc. Class A	525,965	29,833
*,1	Golden Minerals Co.	75,719	39		Equity Commonwealth	1,541,712	29,601
*	Save Foods Inc.	16,703	33		DiamondRock Hospitality Co.	3,095,908	29,071
*,1	Eightco Holdings Inc.	33,455	17		Pebblebrook Hotel Trust	1,792,943	28,651
*	Adamas One Corp.	27,332	16		Global Net Lease Inc.	2,872,776	28,584
*,1	Crown ElectroKinetics Corp.	8,521	1		RLJ Lodging Trust	2,292,060	26,863
	·	· -		*	Cushman & Wakefield plc	2,481,079	26,796
Doc	Fototo (6.09/)		4,228,172		Retail Opportunity Investments Corp.	1,851,107	25,971
nea	Estate (6.0%)	1 000 475	245 046		InvenTrust Properties Corp.	995,958	25,238
	Sun Communities Inc. WP Carey Inc.	1,839,475	245,846		Acadia Realty Trust	1,393,101	23,669
	Equity LifeStyle Properties Inc.	3,224,916	209,007		Xenia Hotels & Resorts Inc.	1,610,427	21,934
	Gaming & Leisure Properties Inc.	2,754,401	194,295 193,995		JBG SMITH Properties	1,280,300	21,778
	Rexford Industrial Realty Inc.	3,931,002 3,127,664			Kennedy-Wilson Holdings Inc.	1,747,209	21,630
	American Homes 4 Rent Class A	4,682,458	175,462 168,381		Service Properties Trust	2,462,741	21,032
	American nomes 4 nem Class A	4,002,408			Alexander & Baldwin Inc.	1,084,617	20,629
	CubeSmart	3,322,093	153,979		Alexander & Baldwill Inc.	1,004,017	20,020

		Shares	Market Value* (\$000)			Shares	Market Value• (\$000)
	Getty Realty Corp.	698,555	20,412		Global Self Storage Inc.	170,518	790
	Newmark Group Inc. Class A	1,813,806	19,879		Bluerock Homes Trust Inc.	54,970	769
	LTC Properties Inc.	604,767	19,425	*,1	LuxUrban Hotels Inc.	120,402	719
	Elme Communities	1,321,924	19,300		Creative Media & Community Trust Corp.	186,677	698
	Veris Residential Inc.	1,206,856	18,984	*,1	Altisource Portfolio Solutions SA	176,732	629
	Empire State Realty Trust Inc. Class A	1,932,430	18,725	*	Transcontinental Realty Investors Inc.	17,849	617
	Easterly Government Properties Inc. Class A	1,384,295	18,605	*	Sotherly Hotels Inc.	298,937	445
*	Compass Inc. Class A	4,857,573	18,264	*,1	Doma Holdings Inc.	91,760	425
	NETSTREIT Corp.	1,005,025	17,940	*	Fathom Holdings Inc.	102,907	369
*	Hudson Pacific Properties Inc.	1,908,322	17,766	*	Rafael Holdings Inc. Class B	172,498	316
1	Redfin Corp.	1,713,675	17,685	*	American Realty Investors Inc.	14,699	256
	eXp World Holdings Inc.	1,133,125	17,586		Constock Holding Cos. Inc. Class A	52,330 F1,003	234
	American Assets Trust Inc. Safehold Inc.	711,634 683,359	16,019 15,991	*	Generation Income Properties Inc. InterGroup Corp.	51,003 7,864	202 144
*	Apartment Investment & Management Co. Class A	2,019,199	15,810	*	JW Mays Inc.	2,413	103
	Marcus & Millichap Inc.	349,759	15,277		InnSuites Hospitality Trust	51,409	87
	Brandywine Realty Trust	2,584,158	13,954	*	CKX Lands Inc.	5,432	70
	UMH Properties Inc.	899,116	13,774	*,1	Altisource Asset Management Corp.	15,639	65
*	Anywhere Real Estate Inc.	1,681,889	13,640	1	Strawberry Fields REIT Inc.	8,289	64
	Paramount Group Inc.	2,588,884	13,385	*	Safe & Green Development Corp.	43,845	61
	Centerspace	227,737	13,254	*	New Concept Energy Inc.	48,067	48
	Piedmont Office Realty Trust Inc. Class A	1,853,651	13,179	*	Trinity Place Holdings Inc.	313,994	35
	Plymouth Industrial REIT Inc.	545,414	13,128	*	Power REIT	36,007	23
	Armada Hoffler Properties Inc.	994,334	12,300	*	Alset Inc.	21,638	22
	Diversified Healthcare Trust	3,194,455	11,947		Medalist Diversified REIT Inc.	3,943	20
	NexPoint Residential Trust Inc.	339,189	11,678	*,1	Avalon GloboCare Corp.	34,504	17
	Summit Hotel Properties Inc.	1,655,655	11,126	*	American Strategic Investment Co.	1,126	9
1	Peakstone Realty Trust	531,607	10,595	* 1	Presidio Property Trust Inc. Class A	4,940	5
	Community Healthcare Trust Inc.	370,727	9,876	*,1 *,2	***************************************	12,815	4
*	Global Medical REIT Inc.	880,804	9,777	,2	Spirit MTA REIT	653,668	
	Forestar Group Inc.	281,025	9,293				5,792,576
	Whitestone REIT Universal Health Realty Income Trust	747,265 203,821	9,184 8,815	Uti	ilities (1.8%)		
1	Farmland Partners Inc.	698,030	8,711		Vistra Corp.	4,944,900	190,478
	Chatham Lodging Trust	788,881	8,457		Essential Utilities Inc.	3,704,506	138,363
	CBL & Associates Properties Inc.	337,670	8,246		OGE Energy Corp.	2,909,470	101,628
	Gladstone Commercial Corp.	615,769	8,153		UGI Corp.	3,105,910	76,405
	Alexander's Inc.	35,568	7,596		IDACORP Inc.	741,839	72,938
	Gladstone Land Corp.	512,464	7,405		National Fuel Gas Co. Portland General Electric Co.	1,357,185 1,502,085	68,090 65,100
*	Tejon Ranch Co.	414,340	7,127		New Jersey Resources Corp.	1,442,856	64,323
	Saul Centers Inc.	176,966	6,949		Ormat Technologies Inc.	787,851	59,711
*	FRP Holdings Inc.	104,328	6,560		Southwest Gas Holdings Inc.	888,427	56,282
	RMR Group Inc. Class A	213,387	6,024		Black Hills Corp.	1,012,498	54,624
*,1	Seritage Growth Properties Class A	597,081	5,583		Otter Tail Corp.	615,076	52,263
	Orion Office REIT Inc.	954,713	5,461		ONE Gas Inc.	814,570	51,904
	Office Properties Income Trust	743,231	5,440		ALLETE Inc.	840,384	51,398
1	One Liberty Properties Inc.	243,316	5,331		PNM Resources Inc.	1,214,491	50,523
	CTO Realty Growth Inc.	305,490	5,294		Spire Inc.	767,978	47,876
1	Industrial Logistics Properties Trust NexPoint Diversified Real Estate Trust	946,492	4,449 4,359		Northwestern Energy Group Inc.	902,344	45,920
	Postal Realty Trust Inc. Class A	548,292 298,979	4,359		California Water Service Group	880,113	45,651
	NET Lease Office Properties	216,101	3,994		American States Water Co.	551,394	44,343
	RE/MAX Holdings Inc. Class A	298,475	3,979		Avista Corp.	1,136,540	40,620
	City Office REIT Inc.	572,275	3,497		Clearway Energy Inc. Class C	1,390,309	38,136
	Alpine Income Property Trust Inc.	205,392	3,473		MGE Energy Inc.	526,938	38,103
	Franklin Street Properties Corp.	1,341,324	3,434		Chesapeake Utilities Corp.	317,805	33,570
	BRT Apartments Corp.	174,145	3,237		Avangrid Inc. SJW Group	1,011,878	32,795
	Douglas Elliman Inc.	1,030,775	3,041	*,1		424,202 1,595,703	27,722 24,334
*	Star Holdings	199,470	2,988		Hawaiian Electric Industries Inc.	1,635,847	23,213
*	Stratus Properties Inc.	94,932	2,740		Northwest Natural Holding Co.	533,301	20,767
	Braemar Hotels & Resorts Inc.	895,611	2,239		Middlesex Water Co.	267,812	17,574
*	Maui Land & Pineapple Co. Inc.	87,860	1,396		Unitil Corp.	250,646	13,176
*	AMREP Corp.	56,666	1,245		Genie Energy Ltd. Class B	335,871	9,448
	Modiv Industrial Inc. Class C	81,640	1,216		York Water Co.	225,661	8,715
* 1	Clipper Realty Inc.	225,016	1,215	*	Montauk Renewables Inc.	968,457	8,629
*,1 *,1	Offerpad Solutions Inc.	110,705	1,135		Consolidated Water Co. Ltd.	234,050	8,332
	Ashford Hospitality Trust Inc.	559,405	1,085		Clearway Energy Inc. Class A	309,566	7,919

	Shares	Market Value* (\$000)		Shares	Market Value* (\$000)
* Altus Power Inc. Class A	968,598	6,616	*,2 Ocuphire Pharma Inc. CVR	13,673	2
Artesian Resources Corp. Class A	122,559	5,080	*,2 Ambit Biosciences Corp. CVR	22,388	_
* Pure Cycle Corp.	295,865	3,098	* Ligand Pharmaceuticals Inc. Glucagon CVR	395,811	_
RGC Resources Inc.	127,094	2,585	* Ligand Pharmaceuticals Inc. General CVR	395,811	_
Global Water Resources Inc.	147,111	1,924	*,2 NeuroBo Pharmaceuticals Inc. CVR	5,194	_
*,1 Cadiz Inc.	681.992	1.910	*,2 Achillion Pharmaceuticals Inc. CVR	374	_
*,1 Spruce Power Holding Corp.	195,019	862	*,2 Pineapple Energy Inc. CVR	30.377	_
Via Renewables Inc. Class A	37,181	349	*,1,2 Disc Medicine Inc. CVR	238,398	_
The Horie Madrice microlade / t	0,,.01		*,2 Sesen Bio Inc. CVR	2.671.362	_
		1,713,297	*,2 Chinook Therapeutics Inc. CVR	59	_
Total Common Stocks			*,1,2 Spyre Therapeutics Inc. CVR	632,341	_
(Cost \$81,492,125)		96,836,951	*,2 Neurogene Inc. CVR	95.916	_
Preferred Stocks (0.0%)			Total Rights	00,010	
FAT Brands Inc. Pfd., 8.250%, 2/7/24	7,939	118	(Cost \$2,593)		2,752
Air T Funding Pfd., 8.000%, 6/7/24	391	7	Warrants (0.0%)		
*,1,2 Next Bridge Hydrocarbons Inc. Preference Shares	902,467	_	<del></del>		
*,2 BTCS Inc. Preference Shares	87.854	_	*,2 Cassava Sciences Inc. Exp. 11/15/24	233,823	1,116
T-t-I Durfound Ct- du	- ,		* Ayala Pharmaceuticals Inc. Exp. 9/11/24	47,130	_
Total Preferred Stocks (Cost \$2,745)		125	*,2 Salarius Pharmaceuticals Inc. Exp. 1/20/25	119,407	_
<u> </u>		125	*,1,2 Imperalis Holding Corp. Exp. 4/13/28	930,380	
Rights (0.0%)			Total Warrants		
*,2 Frequency Therapeutics Inc. CVR	448,505	888	(Cost \$200)		1,116
*,2 Tobira Therapeutics Inc. CVR Exp. 12/31/28	87,894	398	Temporary Cash Investments (2.2%)		
*,2 Cartesian Therapeutics Inc. CVR	1,696,040	305	Manay Market Fund (2.20/)		
*,1,2 Palisade Bio Inc. CVR	238,902	229	Money Market Fund (2.2%)		
*,2 Spectrum Pharmaceuticals Inc. CVR	2,524,293	206	4,5 Vanguard Market Liquidity Fund, 5.435% (Cost \$2,088,111)	20.896.263	2.089.208
*,2 Imara Inc. CVR	140,767	176		20,030,203	2,003,200
*,2 Strongbridge Biopharma plc CVR	687,671	125	Total Investments (101.8%)		
*,1 Groupon Inc. Exp. 1/17/24	296,929	102	(Cost \$83,585,774)		98,930,152
*,2 Adamas Pharmaceuticals Inc. CVR	1,055,708	64	Other Assets and Liabilities – Net (-1.8%)		(1,722,554)
*,2 Surface Oncology Inc. CVR	579,706	54	Not Accets (1000/)		07207500
*,2 Gyre Therapeutics Inc. CVR	475,977	48	Net Assets (100%)		97,207,598
*,2 Miromatrix Medical Inc. CVR	280,666	39	Cost is in \$000.		
*,2 Aduro Biotech Inc. CVR	150,581	28	<ul> <li>See Note A in Notes to Financial Statements.</li> </ul>		
*,2 Aevi Genomic Medicine Inc. CVR	631,947	21	* Non-income-producing security.		
*,1,2 Oncternal Therapeutics Inc. CVR	19,268	20	1 Includes partial security positions on loan to broker-dealers. The to	otal value of securi	ties on loan is
*,2 Ocera Therapeutics Inc. CVR	48,417	13	\$1,509,878,000.		
*,1,2 Miragen Therapeutics Inc. CVR	330,960	7	2 Security value determined using significant unobservable inputs.		
*,2 Qualigen Therapeutics Inc. CVR	91.096	6	3 Restricted securities totaling \$0, representing 0.0% of net assets.		
*,2 F-star Therapeutics Inc. CVR	81,676	6	4 Affiliated money market fund available only to Vanguard funds an		l accounts managed
*,2 Alexza Pharmaceuticals Inc. CVR	128,704	4	by Vanguard. Rate shown is the 7-day yield.		
*,1,2 Seelos Therapeutics Inc. CVR	5,736	3	5 Collateral of \$1,733,477,000 was received for securities on loan.		
*,1,2 CinCor Pharma Inc. CVR	832	3	CVR—Contingent Value Rights.		
*,2 Dianthus Therapeutics Inc. CVR	545.859	3	REIT—Real Estate Investment Trust.		
* Ligand Pharmaceuticals Inc. Roche CVR	395.811	2			
Ligaria i narmaceaticais IIIc. Hoolie evit	555,611	2			

## Derivative Financial Instruments Outstanding as of Period End

#### **Futures Contracts**

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
E-mini NASDAQ 100 Index	March 2024	272	92,608	3,876
E-mini Russell 2000 Index	March 2024	1,432	146,615	7,635
E-mini S&P 500 Index	March 2024	106	25,546	166
E-mini S&P Mid-Cap 400 Index	March 2024	88	24,724	1,309
				12,986

#### Over-the-Counter Total Return Swaps

				Floating Interest		
			Notional	Rate Received	Value and Unrealized	Value and Unrealized
	Termination		Amount	(Paid) <sup>1</sup>	Appreciation	(Depreciation)
Reference Entity	Date	Counterparty	(\$000)	(%)	(\$000)	(\$000)
BILL Holdings Inc.	8/30/24	BANA	5,565	(5.332)	1,347	_
Chewy Inc. Class A	1/31/24	GSI	6,522	(5.331)	792	_
Lucid Group Inc.	1/31/24	GSI	8,777	(5.331)	_	(1,045)
Sirius XM Holdings Inc.	1/31/24	GSI	21,600	(5.331)	245	_
Snowflake Inc. Class A	8/30/24	BANA	29,653	(5.332)	1,666	_
Wayfair Inc. Class A	8/30/24	BANA	7,254	(5.332)	737	_
					4,787	(1,045)

Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A. GSI—Goldman Sachs International.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$3,913,000 and cash of \$1,420,000 in connection with open over-the-counter swap contracts.

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$81,497,663)	96,840,944
Affiliated Issuers (Cost \$2,088,111)	2,089,208
Total Investments in Securities	98,930,152
Investment in Vanguard	2,927
Cash Collateral Pledged—Futures Contracts	20,202
Receivables for Investment Securities Sold	41,354
Receivables for Accrued Income	93,656
Receivables for Capital Shares Issued	68,068
Unrealized Appreciation—Over-the-Counter Swap Contracts	4,787
Total Assets	99,161,146
Liabilities	
Due to Custodian	19,818
Payables for Investment Securities Purchased	29,826
Collateral for Securities on Loan	1,733,477
Payables for Capital Shares Redeemed	163,855
Payables to Vanguard	1,901
Variation Margin Payable—Futures Contracts	3,626
Unrealized Depreciation—Over-the-Counter Swap Contracts	1,045
Total Liabilities	1,953,548
Net Assets	97,207,598

<sup>1</sup> Includes \$1,509,878,000 of securities on loan.

#### Statement of Assets and Liabilities (continued)

At December 31, 2023, net assets consisted of:	
(\$000s, except shares, footnotes, and per-share amounts)	Amount
Paid-in Capital	87,284,948
Total Distributable Earnings (Loss)	9,922,650
Net Assets	97,207,598
Investor Shares—Net Assets	
Applicable to 1,858,699 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	231,936
Net Asset Value Per Share — Investor Shares	\$124.78
ETF Shares – Net Assets	
Applicable to 107,137,209 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	17,606,486
Net Asset Value Per Share — ETF Shares	\$164.34
Admiral Shares—Net Assets	
Applicable to 189,589,142 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	23,638,744
Net Asset Value Per Share — Admiral Shares	\$124.68
Institutional Shares—Net Assets	
Applicable to 121,426,884 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	15,138,897
Net Asset Value Per Share—Institutional Shares	\$124.68
Institutional Plus Shares—Net Assets	
Applicable to 39,704,803 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	12,216,148
Net Asset Value Per Share—Institutional Plus Shares	\$307.67
Institutional Select Shares—Net Assets	
Applicable to 141,614,265 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	28,375,387
Net Asset Value Per Share—Institutional Select Shares	\$200.37

# Statement of Operations

Year Ended December 31, 2023

- 1	The second	$\gamma$	20
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	(\$000)
Investment Income	
Income	
Dividends <sup>1</sup>	1,094,745
Interest <sup>2</sup>	34,640
Securities Lending—Net	141,974
Total Income	1,271,359
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	1,799
Management and Administrative—Investor Shares	398
Management and Administrative—ETF Shares	7,237
Management and Administrative—Admiral Shares	11,162
Management and Administrative—Institutional Shares	5,844
Management and Administrative—Institutional Plus Shares	3,508
Management and Administrative—Institutional Select Shares	4,150
Marketing and Distribution—Investor Shares	10
Marketing and Distribution—ETF Shares	836
Marketing and Distribution—Admiral Shares	847
Marketing and Distribution—Institutional Shares	458
Marketing and Distribution—Institutional Plus Shares	370
Marketing and Distribution—Institutional Select Shares	49
Custodian Fees	639
Auditing Fees	48
Shareholders' Reports—Investor Shares	1
Shareholders' Reports—ETF Shares	417
Shareholders' Reports—Admiral Shares	167
Shareholders' Reports—Institutional Shares	191
Shareholders' Reports—Institutional Plus Shares	148
Shareholders' Reports—Institutional Select Shares	_
Trustees' Fees and Expenses	51
Other Expenses	25
Total Expenses	38,355
Expenses Paid Indirectly	(5
Net Expenses	38,350
Net Investment Income	1,233,009
Realized Net Gain (Loss)	
Investment Securities Sold <sup>2,3</sup>	5,059,742
Futures Contracts	23,830
Swap Contracts	6,190
Realized Net Gain (Loss)	5,089,762
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>2</sup>	13,569,568
Futures Contracts	26,926
Swap Contracts	10,301
Change in Unrealized Appreciation (Depreciation)	13,606,795
Net Increase (Decrease) in Net Assets Resulting from Operations	19,929,566
- Trot morouse (Decrease) in rect Assets nesulting from Operations	13,323,300

<sup>1</sup> Dividends are net of foreign withholding taxes of \$295,000.

See accompanying Notes, which are an integral part of the Financial Statements.

<sup>2</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$32,828,000, \$32,000, \$2,000, and \$510,000, respectively. Purchases and sales are for temporary cash investment purposes.

 $<sup>3\,</sup>$  Includes \$5,732,517,000 of net gain (loss) resulting from in-kind redemptions.

# Statement of Changes in Net Assets

	Year Ended	d December 31,
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	1,233,009	1,141,328
Realized Net Gain (Loss)	5,089,762	2,411,429
Change in Unrealized Appreciation (Depreciation)	13,606,795	(32,279,720)
Net Increase (Decrease) in Net Assets Resulting from Operations	19,929,566	(28,726,963)
Distributions		
Investor Shares	(2,799)	(2,370)
ETF Shares	(216,881)	(148,188)
Admiral Shares	(304,809)	(232,052)
Institutional Shares	(197,911)	(154,028)
Institutional Plus Shares	(157,589)	(131,076)
Institutional Select Shares	(358,784)	(248,096)
Total Distributions	(1,238,773)	(915,810)
Capital Share Transactions		
Investor Shares	(44,315)	(72,334)
ETF Shares	1,158,186	344,966
Admiral Shares	(985,934)	(1,252,838)
Institutional Shares	(827,656)	(1,209,959)
Institutional Plus Shares	(656,866)	(1,175,993)
Institutional Select Shares	877,035	3,290,411
Net Increase (Decrease) from Capital Share Transactions	(479,550)	(75,747)
Total Increase (Decrease)	18,211,243	(29,718,520)
Net Assets		
Beginning of Period	78,996,355	108,714,875
End of Period	97,207,598	78,996,355

#### **Investor Shares**

For a Share Outstanding			Yea	ar Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$100.93	\$138.80	\$124.83	\$95.66	\$75.74
Investment Operations					
Net Investment Income <sup>1</sup>	1.411	1.280	1.216	.983	.962
Net Realized and Unrealized Gain (Loss) on Investments	23.876	(38.141)	14.134	29.401	20.089
Total from Investment Operations	25.287	(36.861)	15.350	30.384	21.051
Distributions					
Dividends from Net Investment Income	(1.437)	(1.009)	(1.380)	(1.214)	(1.131
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(1.437)	(1.009)	(1.380)	(1.214)	(1.131
Net Asset Value, End of Period	\$124.78	\$100.93	\$138.80	\$124.83	\$95.66
Total Return <sup>2</sup>	25.22%	-26.56%	12.31%	32.04%	27.87%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$232	\$229	\$399	\$454	\$455
Ratio of Total Expenses to Average Net Assets	0.19% <sup>3</sup>	0.19% <sup>3</sup>	0.19%	0.19%	0.19%
Ratio of Net Investment Income to Average Net Assets	1.28%	1.14%	0.87%	1.04%	1.09%
Portfolio Turnover Rate <sup>4</sup>	11%	11%	19%	19%	13%

<sup>1</sup> Calculated based on average shares outstanding.

#### **ETF Shares**

For a Share Outstanding			Year Ended December 3			
Throughout Each Period	2023	2022	2021	2020	2019	
Net Asset Value, Beginning of Period	\$132.92	\$182.81	\$164.43	\$126.02	\$99.77	
Investment Operations						
Net Investment Income <sup>1</sup>	2.086	1.914	1.867	1.509	1.636	
Net Realized and Unrealized Gain (Loss) on Investments	31.415	(50.278)	18.576	38.668	26.255	
Total from Investment Operations	33.501	(48.364)	20.443	40.177	27.891	
Distributions						
Dividends from Net Investment Income	(2.081)	(1.526)	(2.063)	(1.767)	(1.641)	
Distributions from Realized Capital Gains	_	_	_	_	_	
Total Distributions	(2.081)	(1.526)	(2.063)	(1.767)	(1.641)	
Net Asset Value, End of Period	\$164.34	\$132.92	\$182.81	\$164.43	\$126.02	
Total Return	25.39%	-26.46%	12.44%	32.20%	28.04%	
Ratios/Supplemental Data						
Net Assets, End of Period (Millions)	\$17,606	\$13,089	\$17,593	\$13,761	\$8,119	
Ratio of Total Expenses to Average Net Assets	0.06%2	0.06%2	0.06%	0.06%	0.06%	
Ratio of Net Investment Income to Average Net Assets	1.44%	1.31%	1.02%	1.20%	1.40%	
Portfolio Turnover Rate <sup>3</sup>	11%	11%	19%	19%	13%	
Calculated based on average shares outstanding						

<sup>1</sup> Calculated based on average shares outstanding.

See accompanying Notes, which are an integral part of the Financial Statements.

<sup>2</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.19%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.06%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

#### Admiral Shares

For a Share Outstanding			Yea	ar Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$100.85	\$138.70	\$124.75	\$95.61	\$75.70
Investment Operations					
Net Investment Income <sup>1</sup>	1.557	1.437	1.408	1.112	1.236
Net Realized and Unrealized Gain (Loss) on Investments	23.851	(38.129)	14.106	29.367	19.918
Total from Investment Operations	25.408	(36.692)	15.514	30.479	21.154
Distributions					
Dividends from Net Investment Income	(1.578)	(1.158)	(1.564)	(1.339)	(1.244)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(1.578)	(1.158)	(1.564)	(1.339)	(1.244)
Net Asset Value, End of Period	\$124.68	\$100.85	\$138.70	\$124.75	\$95.61
Total Return <sup>2</sup>	25.38%	-26.47%	12.45%	32.21%	28.03%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$23,639	\$20,012	\$29,054	\$26,784	\$22,391
Ratio of Total Expenses to Average Net Assets	0.06%3	0.06%3	0.06%	0.06%	0.06%
Ratio of Net Investment Income to Average Net Assets	1.42%	1.29%	1.01%	1.18%	1.39%
Portfolio Turnover Rate <sup>4</sup>	11%	11%	19%	19%	13%

<sup>1</sup> Calculated based on average shares outstanding.

#### Institutional Shares

For a Share Outstanding			Year Ended December 31			
Throughout Each Period	2023	2022	2021	2020	2019	
Net Asset Value, Beginning of Period	\$100.84	\$138.69	\$124.74	\$95.60	\$75.69	
Investment Operations						
Net Investment Income <sup>1</sup>	1.567	1.439	1.413	1.125	1.239	
Net Realized and Unrealized Gain (Loss) on Investments	23.862	(38.120)	14.115	29.364	19.925	
Total from Investment Operations	25.429	(36.681)	15.528	30.489	21.164	
Distributions						
Dividends from Net Investment Income	(1.589)	(1.169)	(1.578)	(1.349)	(1.254)	
Distributions from Realized Capital Gains	_	_	_	_	_	
Total Distributions	(1.589)	(1.169)	(1.578)	(1.349)	(1.254)	
Net Asset Value, End of Period	\$124.68	\$100.84	\$138.69	\$124.74	\$95.60	
Total Return	25.41%	-26.46%	12.47%	32.23%	28.05%	
Ratios/Supplemental Data						
Net Assets, End of Period (Millions)	\$15,139	\$12,983	\$19,456	\$18,659	\$14,927	
Ratio of Total Expenses to Average Net Assets	$0.05\%^{2}$	$0.05\%^{2}$	0.05%	0.05%	0.05%	
Ratio of Net Investment Income to Average Net Assets	1.43%	1.29%	1.01%	1.19%	1.40%	
Portfolio Turnover Rate <sup>3</sup>	11%	11%	19%	19%	13%	
				•	•	

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.06%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.05%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

#### Institutional Plus Shares

For a Share Outstanding			Ye	Year Ended December 3			
Throughout Each Period	2023	2022	2021	2020	2019		
Net Asset Value, Beginning of Period	\$248.85	\$342.27	\$307.85	\$235.94	\$186.80		
Investment Operations							
Net Investment Income <sup>1</sup>	3.898	3.597	3.595	2.798	3.078		
Net Realized and Unrealized Gain (Loss) on Investments	58.870	(94.104)	34.757	72.466	49.178		
Total from Investment Operations	62.768	(90.507)	38.352	75.264	52.256		
Distributions							
Dividends from Net Investment Income	(3.948)	(2.913)	(3.932)	(3.354)	(3.116)		
Distributions from Realized Capital Gains	_	_	_	_	_		
Total Distributions	(3.948)	(2.913)	(3.932)	(3.354)	(3.116)		
Net Asset Value, End of Period	\$307.67	\$248.85	\$342.27	\$307.85	\$235.94		
Total Return	25.41%	-26.45%	12.48%	32.24%	28.07%		
Ratios/Supplemental Data							
Net Assets, End of Period (Millions)	\$12,216	\$10,446	\$15,973	\$11,665	\$9,486		
Ratio of Total Expenses to Average Net Assets	0.04%2	0.04%2	0.04%	0.04%	0.04%		
Ratio of Net Investment Income to Average Net Assets	1.44%	1.31%	1.04%	1.20%	1.41%		
Portfolio Turnover Rate <sup>3</sup>	11%	11%	19%	19%	13%		
1 C-l							

<sup>1</sup> Calculated based on average shares outstanding.

#### Institutional Select Shares

For a Share Outstanding			Year Ended December 3			
Throughout Each Period	2023	2022	2021	2020	2019	
Net Asset Value, Beginning of Period	\$162.04	\$222.86	\$200.45	\$153.63	\$121.63	
Investment Operations						
Net Investment Income <sup>1</sup>	2.580	2.421	2.352	1.855	2.059	
Net Realized and Unrealized Gain (Loss) on Investments	38.338	(61.319)	22.661	47.179	31.999	
Total from Investment Operations	40.918	(58.898)	25.013	49.034	34.058	
Distributions						
Dividends from Net Investment Income	(2.588)	(1.922)	(2.603)	(2.214)	(2.058)	
Distributions from Realized Capital Gains	_	_	_	_	_	
Total Distributions	(2.588)	(1.922)	(2.603)	(2.214)	(2.058)	
Net Asset Value, End of Period	\$200.37	\$162.04	\$222.86	\$200.45	\$153.63	
Total Return	25.44%	-26.44%	12.50%	32.27%	28.09%	
Ratios/Supplemental Data						
Net Assets, End of Period (Millions)	\$28,375	\$22,239	\$26,240	\$24,472	\$19,166	
Ratio of Total Expenses to Average Net Assets	0.02%2	0.02%2	0.02%	0.02%	0.02%	
Ratio of Net Investment Income to Average Net Assets	1.46%	1.36%	1.05%	1.22%	1.44%	
Portfolio Turnover Rate <sup>3</sup>	11%	11%	19%	19%	13%	

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.04%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.02%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

#### Notes to Financial Statements

Vanguard Extended Market Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers six classes of shares: Investor Shares, ETF Shares, Admiral Shares, Institutional Shares, Institutional Plus Shares, and Institutional Select Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

In March 2023, the board of trustees approved a plan of reorganization whereby the fund will reorganize from Vanguard Index Funds (such fund the "Predecessor Fund") to a newly created shell series under Vanguard Institutional Index Funds. The purpose of the reorganization is to improve administrative efficiencies for all funds within the Vanguard complex by spreading the filing and reporting requirements across different legal entities. After the reorganization the surviving fund will be identical in its management to the Predecessor Fund and its investment objective, strategies, and policies will remain unchanged. The reorganization is anticipated to qualify as a tax-free reorganization under the Internal Revenue Code of 1986, as amended.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Other temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services.
- 2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the fund's average investments in long and short futures contracts represented 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks or indexes in the fund's target index. Under the terms of the swaps, the fund receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock

at the beginning of the equity swap contract. The fund also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the fund generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the fund. The fund's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The fund mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the fund cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund's net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, the fund's average amounts of investments in total return swaps represented less than 1% of net assets, based on the average of notional amounts at each quarter-end during the period.

- 4. Federal Income Taxes: The fund intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.
- 5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 6. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on Ioan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.

7. Credit Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Each class of shares has equal rights as to assets and earnings, except that each class separately bears certain class-specific expenses related to maintenance of shareholder accounts (included in Management and Administrative expenses) and shareholder reporting. Marketing and distribution expenses are allocated to each class of shares based on a method approved by the board of trustees. Income, other non-class-specific expenses, and gains and losses on investments are allocated to each class of shares based on its relative net assets.

**B.** In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$2,927,000, representing less than 0.01% of the fund's net assets and 1.17% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$5,000 (an annual rate of less than 0.01% of average net assets).

- **D.** Various inputs may be used to determine the value of the fund's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- Level 3—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
Investments				
Assets				
Common Stocks	96,832,085	_	4,866	96,836,951
Preferred Stocks	125	_	_	125
Rights	2	102	2,648	2,752
Warrants	_	_	1,116	1,116
Temporary Cash Investments	2,089,208	_	_	2,089,208
Total	98,921,420	102	8,630	98,930,152
Derivative Financial Instruments				
Assets				
Futures Contracts <sup>1</sup>	12,986	_	_	12,986
Swap Contracts	_	4,787	_	4,787
Total	12,986	4,787	_	17,773
Liabilities				
Swap Contracts	_	1,045	_	1,045

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions, passive foreign investment companies, and swap agreements were reclassified between the following accounts:

	Amount (\$000)
Paid-in Capital	5,721,800
Total Distributable Earnings (Loss)	(5,721,800)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; the recognition of unrealized gains from passive foreign investment companies; and the classification of securities for

tax purposes. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

Capital Loss Carryforwards (4 Qualified Late-Year Losses	Amount (\$000)
Net Unrealized Gains (Losses)  Capital Loss Carryforwards  Qualified Late-Year Losses	42,694
Capital Loss Carryforwards (4 Qualified Late-Year Losses	_
Qualified Late-Year Losses	687,076
	807,120)
OtherTemporary Differences	
Total 9,	922,650

The tax character of distributions paid was as follows:

	Year Ended D	ecember 31,
	2023 Amount (\$000)	2022 Amount
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(\$000)
Ordinary Income*	1,238,773	915,810
Long-Term Capital Gains		
Total	1,238,773	915,810

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	84,243,076
Gross Unrealized Appreciation	32,329,904
Gross Unrealized Depreciation	(17,642,828)
Net Unrealized Appreciation (Depreciation)	14,687,076

F. During the year ended December 31, 2023, the fund purchased \$19,621,054,000 of investment securities and sold \$19,515,727,000 of investment securities, other than temporary cash investments. Purchases and sales include \$9,464,667,000 and \$10,163,029,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$1,072,681,000 and sales were \$2,200,522,000, resulting in net realized gain of \$165,725,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

G. Capital share transactions for each class of shares were:

	Year Ended December 31,					
		2023		2022		
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)		
Investor Shares						
Issued	7,047	64	10,368	92		
Issued in Lieu of Cash Distributions	2,799	25	2,370	23		
Redeemed	(54,161)	(496)	(85,072)	(721)		
Net Increase (Decrease)—Investor Shares	(44.315)	(407)	(72.334)	(606)		

	Year Ended December 31				
	2023				
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)	
ETF Shares					
Issued	10,241,871	68,864	7,785,642	54,535	
Issued in Lieu of Cash Distributions	_	_	_	_	
Redeemed	(9,083,685)	(60,200)	(7,440,676)	(52,300)	
Net Increase (Decrease)—ETF Shares	1,158,186	8,664	344,966	2,235	
Admiral Shares					
Issued	1,528,622	13,910	2,057,224	18,437	
Issued in Lieu of Cash Distributions	253,200	2,264	193,334	1,884	
Redeemed	(2,767,756)	(25,026)	(3,503,396)	(31,355)	
Net Increase (Decrease)—Admiral Shares	(985,934)	(8,852)	(1,252,838)	(11,034)	
Institutional Shares					
Issued	2,289,403	20,910	2,414,097	21,403	
Issued in Lieu of Cash Distributions	183,474	1,642	143,746	1,400	
Redeemed	(3,300,533)	(29,875)	(3,767,802)	(34,333)	
Net Increase (Decrease)—Institutional Shares	(827,656)	(7,323)	(1,209,959)	(11,530)	
Institutional Plus Shares					
Issued	1,568,473	5,907	3,581,013	13,375	
Issued in Lieu of Cash Distributions	152,432	552	125,346	495	
Redeemed	(2,377,771)	(8,729)	(4,882,352)	(18,563)	
Net Increase (Decrease)—Institutional Plus Shares	(656,866)	(2,270)	(1,175,993)	(4,693)	
Institutional Select Shares					
Issued	3,253,688	18,298	4,415,226	25,617	
Issued in Lieu of Cash Distributions	358,784	1,994	248,096	1,506	
Redeemed	(2,735,437)	(15,917)	(1,372,911)	(7,624)	
Net Increase (Decrease)—Institutional Select Shares	877,035	4,375	3,290,411	19,499	

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

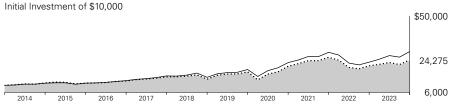
I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

## Mid-Cap Index Fund

# Performance Summary

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the fund. (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.) 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 fund distributions or on the sale of fund shares.

### Cumulative Performance: December 31, 2013, Through December 31, 2023



#### Average Annual Total Returns Periods Ended December 31, 2023

_	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Index Fund Investor Shares	15.84%	12.57%	9.27%	\$24,275
······ CRSP US Mid Cap Index	15.98	12.73	9.44	24,643
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Index Fund ETF Shares Net Asset Value	15.99%	12.72%	9.41%	\$24,589
Mid-Cap Index Fund ETF Shares Market Price	16.04	12.73	9.42	24,595
CRSP US Mid Cap Index	15.98	12.73	9.44	24,643
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Index Fund Admiral Shares	15.98%	12.71%	9.41%	\$24,576
CRSP US Mid Cap Index	15.98	12.73	9.44	24,643
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

#### Average Annual Total Returns Periods Ended December 31, 2023

_	One Year	Five Years	Ten Years	Final Value of a \$5,000,000 Investment
Mid-Cap Index Fund Institutional Shares	16.00%	12.72%	9.42%	\$12,302,398
CRSP US Mid Cap Index	15.98	12.73	9.44	12,321,356
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	14,710,990

	One Year	Five Years	Ten Years	Final Value of a \$100,000,000 Investment
Mid-Cap Index Fund Institutional Plus Shares	16.00%	12.73%	9.43%	\$246,303,260
CRSP US Mid Cap Index	15.98	12.73	9.44	246,427,120
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	294,219,800

#### Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

	One Year	Five Years	Ten Years
Mid-Cap Index Fund ETF Shares Market Price	16.04%	82.07%	145.95%
Mid-Cap Index Fund ETF Shares Net Asset Value	15.99	81.93	145.89
CRSP US Mid Cap Index	15.98	82.04	146.43

For the ETF Shares, the market price is determined by the midpoint of the bid-offer spread as of the closing time of the New York Stock Exchange (generally 4 p.m., Eastern time). The net asset value is also determined as of the NYSE closing time. For more information about how the ETF Shares' market prices have compared with their net asset value, visit vanguard.com, select your ETF, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

## **Fund Allocation**

As of December 31, 2023

Basic Materials	3.8%
Consumer Discretionary	13.1
Consumer Staples	4.5
Energy	4.9
Financials	12.5
Health Care	9.5
Industrials	19.6
Real Estate	8.3
Technology	14.5
Telecommunications	1.9
Utilities	7.4

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

# **Financial Statements**

# Schedule of Investments

As of December 31, 2023

The fund 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 fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

Second Second 1994(b)   Second Second 1994(b)   Second			Market			Market
Basic Materials (3.7%)   5.510.18   98.894   74.1943   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945   74.2945		Ch	Value*		Charra	Value*
Nucor Com	Common Stocks (00.49/)	Snares	(\$000)	Las Vanas Canda Cara		
Fasting 10.5 / s)   Fasting 10.5   s)   Fast						
New Corp. Class A   14,01,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   140,134   14		5 5 4 0 4 0 0	050.004	•		
Second   Continue	·			·		
Warren Music Group Corp. Class A   2,791,956   99,924   1   1   1   1   1   1   1   1   1				·		
Paramount Global Class A   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3,709,278   3	•					
Allemande Curp Class A 2,011 183 79,1597 Alleman Curp Class A 2,040 185 79,197 Alleman Curp Class A 1,056,607 36,022 79,197 Alleman Curp Class A 1,056,607 19,194 Eastman Chemical Co. 1,329,171 19,458 FMC Corp. 1,399,161 82,77 Westlake Curp Septimental Curp Class A 1,056,607 FMC Corp. 1,399,161 82,77 Westlake Curp Septimental Curp Class A 1,056,607 Alleman Curp Class A 1,056,607 DBI Horton Inc. 6,348,401 994,830 68,866 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 Corp. Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Curp Class A 3,055,77 703,416 DBI Green Closs Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 3,055,77 703,416 DBI Green Closs Class A 9,855,553 804,968 Chipothe Mexican Grill Inc Class A 1,850,869 Chipothe Mexican Grill Inc Class A 1,850,869 Chipo	•			· · ·		
Celemes COp. Class A	•			·		
Section	Albertalie Corp.					
CF   Industrial Holdings Inc.						
More						
Mosaic Co.   7.328,071   281,382   News Corp. Class A   1,142,405   2,2019   News Corp. Class B   1,142,405   3,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036   2,036	e e e e e e e e e e e e e e e e e e e					
Steel Dynamics Inc.   1,723,349   203,529   Paramount Global Class A   166,496   3.07.6	·					
Paramount Global Class A   156,496   3.076				,	, ,	
PMIC Corp.   1.999   161   88.217				· ·		
Mestlake Corp.   19,151   50,267   Consumer Staples (4.5%)   Consumer Discretionary (13.1%)   78,074,75   Consumer Discretionary (13.1%)   75,074,95   Con					-	
Section   Sect	•			Canaumar Stanlag (4 E9/)		20,200,213
Correva Inc.   15,798,180   757,049     DR Horton Inc.   16,348,401   964,803   964,915   Church & Dwight Co. Inc.   15,798,180   552,071     Lennar Corp. Class A   5,623,294   838,096   Archer-Daniels-Midland Co.   5,971,540   431,842     Chipotte Mexican Grill Inc. Class A   30,6757   703,416   Walgreens Boots Alliance Inc.   15,498,311   404,609     Trade Desk Inc. Class A   9,655,553   694,598   Brown-Forman Corp. Class B   9,655,007   397,017     Dollar General Corp.   4,919,884   668,583   Grown-Forman Corp. Class B   6,955,007   397,017     Dollar Tee Inc.   4,881,373   632,988   Frown-Forman Corp. Class A   6,039,218   398,619     Dollar Tee Inc.   4,881,373   632,988   Frown-Forman Corp. Class A   6,039,218   343,743     Take-Two Interactive Software Inc.   13,411,555   613,470   Kellanova   6,143,550   343,486     Take-Two Interactive Software Inc.   14,418,520   880,657   Charge Brands Inc.   10,703,474   306,762     Aptiv pic   6,338,813   563,718   Campbell Source Co.   2,260,643   285,700     Aptiv pic   6,338,813   563,718   Campbell Source Co.   2,260,643   285,700     Ulta Beauty Inc.   11,03,237   840,575   Lamb Weston Holdings Inc.   16,24,728   175,617     Hilton Worldwide Holdings Inc.   1,976,696   499,579     PulteGroup Inc.   4,816,600   499,579     Carmini Ltd.   4,816,600   499,793     Expedia Group Inc.   2,973,84   441,45     Expedia Group Inc.   2,987,84   441,45     Expedia Group Inc.   4,381,600   499,793     Expedia	Westlake Corp.	309,101 -			2 700 541	700.250
DR Horton Inc.			5,807,776			
Copart Inc.						
Lennar Corp. Class A   562,3294   838,096   Chipote Mexican Grill Inc. Class A   307577   703,416   Valgreens Boots Alliance Inc.   15,496,311   404,609   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500   40,500						
Chipote Mexican Grill Inc. Class A   30,657,77   70,316   6   64,699   70,316   6   6,953,007   397,017   7   7   7   7   7   7   7   7   7				ĕ		
Trade Desk Inc. Class A   9.652,F53   694,598   Clorox Co.   2,781,535   396,619						
Dollar General Corp.   4,919,884   668,885   McCormick & Co. Inc. (Non-Voting)   5,634,230   385,494	•			ě .		
Dollar Gerleit act Orp.						
Royal Caribbean Cruises Ltd.						
Take-Two Interactive Software Inc.   4,801,973   5613,470   Conagra Brands Inc.   10,703,474   306,762						
Delta Air Lines Inc.   14,418,520   580,057   Conagra Brands Inc.   10,703,474   306,762				•		
Aptiv plc						
Warner Bros Discovery Inc.				•		
Vita Beauty Inc.						
Hilton Worldwide Holdings Inc. 2,873,531 523,241 Lamb Weston Holdings Inc. 1,624,728 175,617 Tractor Supply Co. 2,422,869 520,990 Albertsons Cos. Inc. Class A 7,101,759 163,340 Albertsons Cos. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc				·		
Tractor Supply Co.   2,422,869   520,990   Albertsons Cos. Inc. Class A   7,101,759   163,340	•			·		
Molson Coors Beverage Co. Class B   2,027,584   124,108				•		
Baylinc   11,630,981   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,431   5073,231   5073,231   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232   5073,232						
ROBLOX Corp. Class A   10,926,926   499,579				•		
PulteGroup Inc.	·				-	
NVR Inc.         67,696         473,902         ONEOK Inc.         13,056,434         916,823           Expedia Group Inc.         2,987,734         453,508         Hess Corp.         6,195,569         893,153           Darden Restaurants Inc.         2,697,631         443,221         Cheniere Energy Inc.         5,073,224         866,050           Garmin Ltd.         3,431,963         441,145         Baker Hughes Co. Class A         22,553,500         770,879           Genuine Parts Co.         3,141,367         435,079         Halliburton Co.         18,054,283         652,662           Carnival Corp.         22,589,342         418,806         Devon Energy Corp.         14,359,114         650,468           Electronic Arts Inc.         3,015,274         412,520         Diamondback Energy Inc.         4,011,236         622,063           **Instruction File Constraints Inc.         13,665,660         385,997         Coterra Energy Inc.         16,021,862         408,878           **Instruction Group Inc.         4,435,360         383,703         * First Solar Inc.         2,298,545         384,335           **Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         7,325,640				France (4.00/)		6,918,370
Expedia Group Inc.         2,987,734         453,508         Hess Corp.         6,195,569         893,153           Darden Restaurants Inc.         2,697,631         443,221         Cheniere Energy Inc.         5,073,224         866,050           Garmin Ltd.         3,431,963         441,145         Baker Hughes Co. Class A         22,553,500         770,879           Genuine Parts Co.         3,141,367         435,079         Halliburton Co.         18,054,283         652,662           Carnival Corp.         22,589,342         418,806         Devon Energy Corp.         14,359,114         650,468           Electronic Arts Inc.         3,015,274         412,520         Diamondback Energy Inc.         4,011,236         622,063           *.1 Rivian Automotive Inc. Class A         17,037,663         399,704         Williams Cos. Inc.         13,637,669         475,000           Southwest Airlines Co.         13,365,560         385,997         Coterra Energy Inc.         16,021,862         408,878           Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         <	·				12.056.424	016 022
Darden Restaurants Inc.         2,697,631         443,221         Cheniere Energy Inc.         5,073,224         866,050           Garmin Ltd.         3,431,963         441,145         Baker Hughes Co. Class A         22,553,500         770,879           Genuine Parts Co.         3,141,367         435,079         Halliburton Co.         18,054,283         652,662           Carnival Corp.         22,589,342         418,806         Devon Energy Corp.         14,359,114         650,468           Electronic Arts Inc.         3,015,274         412,520         Diamondback Energy Inc.         4,011,236         622,663           **1 Rivian Automotive Inc. Class A         17,037,663         399,704         Williams Cos. Inc.         13,637,669         475,000           Southwest Airlines Co.         13,365,560         385,997         Coterra Energy Inc.         16,021,862         408,878           Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         * Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Garmin Ltd.         3,431,963         441,145         Baker Hughes Co. Class A         22,553,500         770,879           Genuine Parts Co.         3,141,367         435,079         Halliburton Co.         18,054,283         652,662           * Carnival Corp.         22,589,342         418,806         Devon Energy Corp.         14,359,114         650,468           Electronic Arts Inc.         3,015,274         412,520         Diamondback Energy Inc.         4,011,236         622,063           **I Rivian Automotive Inc. Class A         17,037,663         399,704         Williams Cos. Inc.         13,637,669         475,000           Southwest Airlines Co.         13,365,560         385,997         Coterra Energy Inc.         16,021,862         408,878           Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         * Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         781,464         322,143         EQT Corp.         4,611,303         178,273           * United Airlines Holdings Inc.	· · · · · · · · · · · · · · · · · · ·			·		
Genuine Parts Co.         3,141,367         435,079         Halliburton Co.         18,054,283         652,662           * Carnival Corp.         22,589,342         418,806         Devon Energy Corp.         14,359,114         650,468           Electronic Arts Inc.         3,015,274         412,520         Diamondback Energy Inc.         4,011,236         622,063           **** Rivian Automotive Inc. Class A         17,037,663         399,704         Williams Cos. Inc.         13,637,669         475,000           Southwest Airlines Co.         13,365,560         385,997         Coterra Energy Inc.         16,021,862         408,878           Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         * Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         781,464         322,143         EOT Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         6,511,611						
* Carnival Corp. 22,589,342 418,806 Devon Energy Corp. 14,359,114 650,468 Electronic Arts Inc. 3,015,274 412,520 Diamondback Energy Inc. 4,011,236 622,063 **.1 Rivian Automotive Inc. Class A 17,037,663 399,704 Williams Cos. Inc. 13,637,669 475,000 Southwest Airlines Co. 13,365,560 385,997 Coterra Energy Inc. 16,021,862 408,878 Omnicom Group Inc. 4,435,360 383,703 First Solar Inc. 2,275,784 392,072 Best Buy Co. Inc. 4,391,733 343,785 Enphase Energy Inc. 2,908,545 384,335 Live Nation Entertainment Inc. 3,615,138 338,377 Marathon Oil Corp. 13,122,142 317,031 Domino's Pizza Inc. 781,464 322,143 EQT Corp. 4,611,303 178,273 United Airlines Holdings Inc. 7,325,640 302,256 Texas Pacific Land Corp. 68,845 108,255 LKQ Corp. 5,999,977 286,739 Rollins Inc. 6,511,611 284,362 Burlington Stores Inc. 10,829,977 265,876 MSCI Inc. Class A 1,684,195 952,665				ě .		
Electronic Arts Inc. 3,015,274 412,520 Diamondback Energy Inc. 4,011,236 622,063  **1 Rivian Automotive Inc. Class A 17,037,663 399,704 Williams Cos. Inc. 13,637,669 475,000 Southwest Airlines Co. 13,365,560 385,997 Coterra Energy Inc. 16,021,862 408,878 Omnicom Group Inc. 4,435,360 383,703 First Solar Inc. 2,275,784 392,072 Best Buy Co. Inc. 4,391,733 343,785 Enphase Energy Inc. 2,908,545 384,335 Live Nation Entertainment Inc. 3,615,138 338,377 Marathon Oil Corp. 13,122,142 317,031 Domino's Pizza Inc. 781,464 322,143 EQT Corp. 4,611,303 178,273 United Airlines Holdings Inc. 7,325,640 302,256 Texas Pacific Land Corp. 68,845 INS,255 LKQ Corp. 5,999,977 286,739 Rollins Inc. 6,511,611 284,362 Burlington Stores Inc. 1,446,727 281,359 News Corp. Class A 10,829,977 265,876 MSCI Inc. Class A 1,684,195 952,665						
**1 Rivian Automotive Inc. Class A Southwest Airlines Co.         17,037,663         399,704         Williams Cos. Inc.         13,637,669         475,000           Southwest Airlines Co.         13,365,560         385,997         Coterra Energy Inc.         16,021,862         408,878           Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         * Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         781,464         322,143         EQT Corp.         4,611,303         178,273           United Airlines Holdings Inc.         7,325,640         302,256         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         Texas Pacific Land Corp.         68,845         108,255           Rollins Inc.         6,511,611         284,362         Financials (12.5%)         Arthur J Gallagher & Co.         4,840,713         1,088,580           News Corp. Class A         10,829,977         265,876         MSCI Inc. Class A         1,684,195         952,665	·			0, 1		
Southwest Airlines Co.         13,365,560         385,997         Coterra Energy Inc.         16,021,862         408,878           Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         * Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         781,464         322,143         EQT Corp.         4,611,303         178,273           * United Airlines Holdings Inc.         7,325,640         302,256         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         Texas Pacific Land Corp.         68,845         108,255           Rollins Inc.         6,511,611         284,362         Financials (12.5%)         4,840,713         1,088,580           News Corp. Class A         10,829,977         265,876         MSCI Inc. Class A         1,684,195         952,665				e,		
Omnicom Group Inc.         4,435,360         383,703         * First Solar Inc.         2,275,784         392,072           Best Buy Co. Inc.         4,391,733         343,785         * Enphase Energy Inc.         2,908,545         384,335           * Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         781,464         322,143         EQT Corp.         4,611,303         178,273           * United Airlines Holdings Inc.         7,325,640         302,256         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         Financials (12.5%)         7,635,942           * Burlington Stores Inc.         1,446,727         281,359         Arthur J Gallagher & Co.         4,840,713         1,088,580           News Corp. Class A         10,829,77         265,876         MSCI Inc. Class A         1,684,195         952,665						
Best Buy Co. Inc.       4,391,733       343,785       Enphase Energy Inc.       2,908,545       384,335         Live Nation Entertainment Inc.       3,615,138       338,377       Marathon Oil Corp.       13,122,142       317,031         Domino's Pizza Inc.       781,464       322,143       EQT Corp.       4,611,303       178,273         * United Airlines Holdings Inc.       7,325,640       302,256       Texas Pacific Land Corp.       68,845       108,255         LKQ Corp.       5,999,977       286,739       7,635,942         Rollins Inc.       6,511,611       284,362       Financials (12.5%)       Arthur J Gallagher & Co.       4,840,713       1,088,580         News Corp. Class A       10,829,77       265,876       MSCI Inc. Class A       1,684,195       952,665						
* Live Nation Entertainment Inc.         3,615,138         338,377         Marathon Oil Corp.         13,122,142         317,031           Domino's Pizza Inc.         781,464         322,143         EQT Corp.         4,611,303         178,273           * United Airlines Holdings Inc.         7,325,640         302,256         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         7,635,942           Rollins Inc.         6,511,611         284,362         Financials (12.5%)           Burlington Stores Inc.         1,446,727         281,359         Arthur J Gallagher & Co.         4,840,713         1,088,580           News Corp. Class A         10,829,772         265,876         MSCI Inc. Class A         1,684,195         952,665	•					
Domino's Pizza Inc.         781,464         322,143         EQT Corp.         4,611,303         178,273           * United Airlines Holdings Inc.         7,325,640         302,256         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         7,635,942           Rollins Inc.         6,511,611         284,362         Financials (12.5%)           Burlington Stores Inc.         1,446,727         281,359         Arthur J Gallagher & Co.         4,840,713         1,088,580           News Corp. Class A         10,829,479         265,876         MSCI Inc. Class A         1,684,195         952,665	· ·					
* United Airlines Holdings Inc.         7,325,640         302,256         Texas Pacific Land Corp.         68,845         108,255           LKQ Corp.         5,999,977         286,739         7,635,942           Rollins Inc.         6,511,611         284,362         Financials (12.5%)           Burlington Stores Inc.         1,446,727         281,359         Arthur J Gallagher & Co.         4,840,713         1,088,580           News Corp. Class A         10,829,977         265,876         MSCI Inc. Class A         1,684,195         952,665						
LKQ Corp.     5,999,977     286,739       Rollins Inc.     6,511,611     284,362       Burlington Stores Inc.     1,446,727     281,359       News Corp. Class A     10,829,977     265,876       MACH Inc. Class A     1,684,195     952,665		,		·		
Rollins Inc. 6,511,611 284,362  * Burlington Stores Inc. 1,446,727 281,359 News Corp. Class A 10,829,977 265,876  * MCM Population International 5,744,440 255,640 MSCI Inc. Class A 1,684,195 952,665	•					
* Burlington Stores Inc. 1,446,727 281,359 Arthur J Gallagher & Co. 4,840,713 1,088,580  News Corp. Class A 10,829,977 265,876 MSCI Inc. Class A 1,684,195 952,665	·			Financials (12 F9/)		7,035,942
News Corp. Class A 10,829,977 265,876 MSCI Inc. Class A 1,684,195 952,665					4 0 4 0 7 1 0	1 000 500
* MCM Popular International F.744.149 256.640	<u> </u>			ĕ		
Amenprise Financial Inc. 2,208,284 801,502						
			-	Amenprise i mandal IIIC.	2,200,284	001,002

		Market				Market
	Shares	Value* (\$000)			Shares	Value* (\$000)
Prudential Financial Inc.	8,092,373	839,260	_	Viatris Inc.	26,898,305	291,309
Apollo Global Management Inc.	8,904,941	829,851	*	Incyte Corp.	4,271,087	268,181
Allstate Corp.	5,865,360	821,033		Royalty Pharma plc Class A	8,478,652	238,165
Discover Financial Services	5,604,329	629,927	*	Teleflex Inc.	526,049	131,165
* Arch Capital Group Ltd.	7,945,199	590,090	*	Henry Schein Inc. Bio-Rad Laboratories Inc. Class A	1,464,549	110,881
Willis Towers Watson plc Broadridge Financial Solutions Inc.	2,314,181 2,636,519	558,180 542,464		Bio-nad Laboratories inc. Class A	229,359	74,058
Hartford Financial Services Group Inc.	6,740,463	541,798		1 (1 (40 50/)		14,669,961
T. Rowe Price Group Inc.	5,008,120	539,324	Ir	ndustrials (19.5%)	1.177.813	1 101 476
American International Group Inc.	7,866,591	532,962		TransDigm Group Inc. Cintas Corp.	1,940,594	1,191,476 1,169,518
* Coinbase Global Inc. Class A	3,043,269	529,285		PACCAR Inc.	11,724,879	1,144,934
Nasdaq Inc.	9,055,226	526,471		Carrier Global Corp.	18,807,531	1,080,493
Fifth Third Bancorp	15,261,818	526,380		Old Dominion Freight Line Inc.	2,201,052	892,152
M&T Bank Corp.	3,719,173	509,824		Ferguson plc	4,562,803	880,940
State Street Corp.	6,569,702	508,889		United Rentals Inc.	1,519,295	871,194
Raymond James Financial Inc. Ares Management Corp. Class A	4,209,492 3,744,927	469,358 445,347		AMETEK Inc.	5,172,520	852,897
Choe Global Markets Inc.	2,366,694	422,597		WW Grainger Inc.	1,001,260	829,734
Principal Financial Group Inc.	5,342,303	420,279		Otis Worldwide Corp.	9,174,157	820,812
Huntington Bancshares Inc.	32,447,639	412,734		Rockwell Automation Inc.	2,570,061	797,953
FactSet Research Systems Inc.	851,745	406,325		Verisk Analytics Inc. Class A Cummins Inc.	3,249,680 3,177,059	776,219 761,128
Regions Financial Corp.	20,840,005	403,879		Quanta Services Inc.	3,256,250	701,128
* Markel Group Inc.	281,389	399,544		Ingersoll Rand Inc.	9,072,738	701,686
LPL Financial Holdings Inc.	1,694,378	385,674		Martin Marietta Materials Inc.	1,385,298	691,139
Northern Trust Corp.	4,406,909	371,855		Equifax Inc.	2,761,616	682,920
Cincinnati Financial Corp.	3,515,602	363,724		Vulcan Materials Co.	2,978,094	676,057
Everest Group Ltd. Citizens Financial Group Inc.	972,857 9,930,656	343,983 329,102		DuPont de Nemours Inc.	8,676,192	667,459
W R Berkley Corp.	4,336,317	306,664	*	Keysight Technologies Inc.	3,912,892	622,502
KeyCorp	20,974,408	302,032	*	Xylem Inc.	5,402,992	617,886
Fidelity National Financial Inc.	5,796,994	295,763		Fair Isaac Corp. Fidelity National Information Services Inc.	526,298	612,616
Loews Corp.	4,004,598	278,680	*	Mettler-Toledo International Inc.	10,181,425 485,961	611,598 589,451
Tradeweb Markets Inc. Class A	2,572,288	233,770		Fortive Corp.	7,876,111	579,918
Interactive Brokers Group Inc. Class A	2,279,441	188,966		Global Payments Inc.	4,536,241	576,103
Franklin Resources Inc.	6,099,336	181,699		Westinghouse Air Brake Technologies Corp.	4,014,986	509,502
Brown & Brown Inc.	2,552,415	181,502		Dover Corp.	3,136,498	482,425
Globe Life Inc. Corebridge Financial Inc.	1,002,388 4,940,692	122,011 107,015	*	releagne rechnologies inc.	1,057,940	472,148
*,1 Rocket Cos. Inc. Class A	2,841,266	41,142		L3Harris Technologies Inc.	2,123,985	447,354
Hooket coo. His. class / (	2,011,200		*	Johnson Controls International plc	7,623,684	439,429
Health Care (9.4%)		19,342,190	*	Waters Corp. FleetCorTechnologies Inc.	1,324,927	436,206 434,648
* Dexcom Inc.	8,660,541	1,074,686		Veralto Corp.	1,537,977 5,246,261	434,046
* IQVIA Holdings Inc.	4,090,549	946,471		Expeditors International of Washington Inc.	3,259,843	414,652
* Centene Corp.	11,973,441	888,549		Ball Corp.	7,064,977	406,378
GE HealthCare Technologies Inc.	8,672,772	670,579		PPG Industries Inc.	2,642,358	395,165
West Pharmaceutical Services Inc.	1,658,223	583,893		JB Hunt Transport Services Inc.	1,850,069	369,533
Zimmer Biomet Holdings Inc.	4,683,507	569,983		Jacobs Solutions Inc.	2,825,612	366,764
* Veeva Systems Inc. Class A	2,948,113	567,571		Synchrony Financial	9,278,003	354,327
ResMed Inc.	3,296,525	567,068		Textron Inc.	4,394,701	353,422
Cardinal Health Inc. * IDEXX Laboratories Inc.	5,523,687	556,788 516,532		Snap-on Inc. Masco Corp.	1,183,395	341,812
* Alnylam Pharmaceuticals Inc.	930,604 2,683,298	510,532		Stanley Black & Decker Inc.	5,033,614 3,434,844	337,151 336,958
* Illumina Inc.	3,560,457	495,758		Packaging Corp. of America	2,009,479	327,364
STERIS plc	2,214,078	486,765	*	Zebra Technologies Corp. Class A	1,151,539	314,750
* Molina Healthcare Inc.	1,242,160	448,805		TransUnion	4,342,977	298,406
* Align Technology Inc.	1,631,357	446,992	*	Trimble Inc.	5,577,634	296,730
Baxter International Inc.	11,368,333	439,500		Howmet Aerospace Inc.	4,615,815	249,808
Laboratory Corp. of America Holdings	1,903,592	432,667		HEICO Corp. Class A	1,684,835	239,988
Biogen Inc.	1,623,732	420,173		Hubbell Inc. Class B	601,129	197,729
Cooper Cos. Inc.	1,109,720	419,962		HEICO Corp.	919,726	164,511
* BioMarin Pharmaceutical Inc. * Hologic Inc.	4,220,801 5,381,199	406,970 384,487		Jack Henry & Associates Inc. Crown Holdings Inc.	816,456 1,353,067	133,417 124,604
* Moderna Inc.	3,845,385	382,423		CH Robinson Worldwide Inc.	1,242,861	107,371
Quest Diagnostics Inc.	2,520,924	347,585	*		1,137,424	92,802
* Avantor Inc.	15,165,303	346,224	*,	<sup>1</sup> Symbotic Inc. Class A	552,210	28,345
* Insulet Corp.	1,565,615	339,707			-	30,306,740
Revvity Inc.	2,766,934	302,454				, ,

		Market			Market
	Shares	Value* (\$000)		Shares	Value* (\$000)
Real Estate (8.2%)			* Okta Inc. Class A	3,514,548	318,172
Welltower Inc.	12,464,889	1,123,959	* Twilio Inc. Class A	3,856,232	292,572
Realty Income Corp.	16,225,312	931,657	SS&C Technologies Holdings Inc.	4,717,197	288,268
Digital Realty Trust Inc.	6,788,268	913,565	Gen Digital Inc.	12,210,725	278,649
CoStar Group Inc.	9,153,123	799,892	Bentley Systems Inc. Class B	5,100,469	266,142
Extra Space Storage Inc.	4,735,481	759,240	* Unity Software Inc.	5,964,332	243,882
VICI Properties Inc. Class A	20,537,306	654,729	Paycom Software Inc.	1,147,827	237,279
SBA Communications Corp. Class A	2,417,959	613,412	Leidos Holdings Inc.	1,541,529	166,855
CBRE Group Inc. Class A	6,489,476	604,105	* DocuSign Inc. Class A	2,278,976	135,485
AvalonBay Communities Inc.	3,182,795	595,883	* Qorvo Inc.	1,091,772	122,944
Weyerhaeuser Co.	16,360,158	568,843	* Match Group Inc.	3,048,536	111,272
Simon Property Group Inc.	3,472,778	495,357		-,- :-,	
Equity Residential	8,088,125	494,670	T. (4.00()		22,439,119
Alexandria Real Estate Equities Inc.	3,894,297	493,680	Telecommunications (1.8%)		
Invitation Homes Inc.	13,720,867	468,019	* Arista Networks Inc.	5,578,658	1,313,830
Iron Mountain Inc.	6,543,104	457,886	Motorola Solutions Inc.	3,720,116	1,164,731
Ventas Inc.	9,016,758	449,395	* Liberty Broadband Corp. Class C	2,666,823	214,919
Sun Communities Inc.	2,788,313	372,658	* Roku Inc. Class A	1,402,327	128,537
Essex Property Trust Inc.	1,439,069	356,803	* Liberty Broadband Corp. Class A	381,143	30,736
Mid-America Apartment Communities Inc.	2,616,265	356,803			2,852,753
·			Utilities (7.4%)		,
WP Carey Inc.	4,902,815	317,752	PG&E Corp.	57,063,899	1,028,862
UDR Inc.	7,374,955	282,387	Waste Connections Inc.	5,774,462	861,954
Host Hotels & Resorts Inc.	7,907,988	153,969	Constellation Energy Corp.	7.158.810	836,793
Regency Centers Corp.	2,069,230	138,638	Xcel Energy Inc.	12,369,766	765,812
Healthpeak Properties Inc.	6,135,482	121,483	Consolidated Edison Inc.	7,730,772	703,268
Camden Property Trust	1,197,466	118,896	Public Service Enterprise Group Inc.	11,186,529	684,056
Zillow Group Inc. Class C	1,732,568	100,246	· ·	8,596,398	614,557
Zillow Group Inc. Class A	437,625	24,822	Edison International		
		12,763,729	WEC Energy Group Inc.	7,069,329	595,025
echnology (14.4%)		,	American Water Works Co. Inc.	4,363,612	575,953
Amphenol Corp. Class A	13,410,146	1,329,348	Eversource Energy	7,822,772	482,822
Microchip Technology Inc.	12,126,719	1,093,588	Entergy Corp.	4,738,564	479,495
Atlassian Corp. Class A	3,474,492	826,443	FirstEnergy Corp.	12,215,378	447,816
ON Semiconductor Corp.	9,653,470	806,354	PPL Corp.	16,516,959	447,610
Palantir Technologies Inc. Class A	43,796,781	751,991	DTE Energy Co.	3,925,726	432,851
Gartner Inc.	1,659,756	748,733	Ameren Corp.	5,866,383	424,374
Datadog Inc. Class A	6,095,299	739,847	CenterPoint Energy Inc.	14,112,573	403,196
ANSYS Inc.			CMS Energy Corp.	6,541,648	379,874
DoorDash Inc. Class A	1,946,964	706,514	Alliant Energy Corp.	5,666,284	290,680
	7,062,935	698,454	AES Corp.	15,013,463	289,009
CDW Corp.	3,002,274	682,477	Evergy Inc.	5,147,537	268,701
Monolithic Power Systems Inc.	1,020,127	643,476	NiSource Inc.	10,028,854	266,266
HubSpot Inc.	1,071,608	622,111	Vistra Corp.	4,008,321	154,401
MongoDB Inc. Class A	1,519,028	621,055	Avangrid Inc.	1,734,513	56,216
HP Inc.	19,933,985	599,814	-		11,489,591
Marvell Technology Inc.	9,668,331	583,097			11,403,331
Splunk Inc.	3,777,129	575,446	Total Common Stocks		
Cloudflare Inc. Class A	6,299,715	524,514	(Cost \$102,451,201)		154,511,384
Corning Inc.	17,207,907	523,981	Temporary Cash Investments (0.7%)		
Hewlett Packard Enterprise Co.	28,748,844	488,155			
Pinterest Inc. Class A	13,139,793	486,698	Money Market Fund (0.7%)		
Zscaler Inc.	1,978,682	438,397	2,3 Vanguard Market Liquidity Fund, 5.435%	44 405 070	4 440 004
Fortinet Inc.	7,313,191	428,041	(Cost \$1,119,168)	11,195,073	1,119,284
Cognizant Technology Solutions Corp. Class A	5,618,831	424,390	Total Investments (100.1%)		
NetApp Inc.	4,678,595	412,465	(Cost \$103,570,369)		155,630,668
Skyworks Solutions Inc.	3,586,382	403,181	Other Assets and Liabilities – Net (-0.1%)		(169,069)
VeriSign Inc.	1,945,839	400,765			
Akamai Technologies Inc.	3,381,851	400,242	Net Assets (100%)		155,461,599
Snap Inc. Class A	23,411,330	396,354	Cost is in \$000.		
Tyler Technologies Inc.	944,474	394,903	• See Note A in Notes to Financial Statements.		
EPAM Systems Inc.	1,292,855	384,417	* Non-income-producing security.		
Western Digital Corp.	7,269,906	380,725	, ,	no total value of a	rition on lass is
Seagate Technology Holdings plc	4,455,632	380,723	1 Includes partial security positions on loan to broker-dealers. The	ie totai vaiue of secu	mues on loan is
Zoom Video Communications Inc. Class A	5,201,865	374,066	\$180,290,000.	and cortain trusts -	ad accounts ======
Teradyne Inc.	3,427,739	374,000	2 Affiliated money market fund available only to Vanguard funds by Vanguard. Rate shown is the 7-day yield.	anu certain trusts ar	iu accounts mana
iciauylie iiic.					
GoDaddy Inc. Class A	3,157,517	335,202	3 Collateral of \$199,138,000 was received for securities on loan		

#### Derivative Financial Instruments Outstanding as of Period End

#### Futures Contracts

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
E-mini S&P Mid-Cap 400 Index	March 2024	1,040	292,188	7,544

#### Over-the-Counter Total Return Swaps

				Floating Interest		
Reference Entity	Termination Date	Counterparty	Notional Amount (\$000)	Rate Received (Paid) <sup>1</sup>	Value and Unrealized Appreciation (\$000)	Value and Unrealized (Depreciation) (\$000)
Alnylam Pharmaceuticals Inc.	8/30/24	BANA	21,704	(5.332)	2,897	
Ameren Corp.	1/31/24	GSI	1,076	(5.331)	17	
Coinbase Global Inc. Class A	1/31/24	GSI	59,160	(5.331)	10,312	
CRSP US Mid Cap TR Index	8/30/24	BANA	106,511	(5.882)	6,631	
Fidelity National Information Services Inc.	8/30/24	BANA	29,480	(5.979)	707	
Fidelity National Information Services Inc.	8/30/24	BANA	29,470	(5.978)	477	
Fidelity National Information Services Inc.	8/30/24	BANA	29,460	(5.979)	472	
Fidelity National Information Services Inc.	8/30/24	BANA	29,360	(5.977)	592	_
Fidelity National Information Services Inc.	8/30/24	BANA	28,920	(5.977)	1,038	_
Fidelity National Information Services Inc.	8/30/24	BANA	23,456	(5.882)	673	_
Fidelity National Information Services Inc.	8/30/24	BANA	12,000	(5.976)	_	(16)
Global Payments Inc.	8/30/24	BANA	151,372	(5.932)	13,355	_
Hormel Foods Corp.	1/31/24	GSI	13,986	(5.331)	441	_
Molina Healthcare Inc.	8/30/24	BANA	23,761	(5.332)	_	(375)
Palantir Technologies Inc. Class A	8/30/24	BANA	5,373	(5.332)	_	(794)
Sirius XM Holdings Inc.	1/31/24	GSI	13,365	(5.331)	151	_
Trade Desk Inc. Class A	8/30/24	BANA	24,661	(5.332)	423	
VICI Properties Inc. Class A	8/30/24	BANA	79,209	(5.982)	6,005	
					44,191	(1,185)

Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A. GSI—Goldman Sachs International.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$55,501,000 in connection with open over-the-counter swap contracts.

# Statement of Assets and Liabilities As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$102,451,201)	154,511,384
Affiliated Issuers (Cost \$1,119,168)	1,119,284
Total Investments in Securities	155,630,668
Investment in Vanguard	4,827
Cash	3,550
Cash Collateral Pledged—Futures Contracts	28,145
Receivables for Accrued Income	242,977
Receivables for Capital Shares Issued	79,665
Unrealized Appreciation—Over-the-Counter Swap Contracts	44,191
Total Assets	156,034,023
Liabilities	
Payables for Investment Securities Purchased	7,245
Collateral for Securities on Loan	199,138
Payables for Capital Shares Redeemed	357,218
Payables to Vanguard	2,923
Variation Margin Payable—Futures Contracts	4,715
Unrealized Depreciation—Over-the-Counter Swap Contracts	1,185
Total Liabilities	572,424
Net Assets	155,461,599

<sup>1</sup> Includes \$180,290,000 of securities on loan.

#### Statement of Assets and Liabilities (continued)

At December 31, 2023, net assets consisted of:	
(\$000s, except shares, footnotes, and per-share amounts)	Amount
Paid-in Capital	124,561,160
Total Distributable Earnings (Loss)	30,900,439
Net Assets	155,461,599
Investor Shares – Net Assets	
Applicable to 6,553,612 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	416,241
Net Asset Value Per Share—Investor Shares	\$63.51
ETF Shares – Net Assets	
Applicable to 255,293,710 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	59,375,822
Net Asset Value Per Share — ETF Shares	\$232.58
Admiral Shares – Net Assets	
Applicable to 199,014,585 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	57,330,173
Net Asset Value Per Share—Admiral Shares	\$288.07
Institutional Shares—Net Assets	
Applicable to 343,633,753 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	21,867,485
Net Asset Value Per Share—Institutional Shares	\$63.64
Institutional Plus Shares – Net Assets	
Applicable to 52,485,031 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	16,471,878
Net Asset Value Per Share —Institutional Plus Shares	\$313.84

# Statement of Operations

Year Ended December 31, 2023

	(\$000)
Investment Income	
Income	
Dividends <sup>1</sup>	2,386,824
Interest <sup>2</sup>	35,149
Securities Lending—Net	23,785
Total Income	2,445,758
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	3,060
Management and Administrative—Investor Shares	703
Management and Administrative—ETF Shares	15,555
Management and Administrative—Admiral Shares	22,525
Management and Administrative—Institutional Shares	6,976
Management and Administrative—Institutional Plus Shares	3,753
Marketing and Distribution—Investor Shares	21
Marketing and Distribution—ETF Shares	2,978
Marketing and Distribution—Admiral Shares	2,387
Marketing and Distribution—Institutional Shares	657
Marketing and Distribution—Institutional Plus Shares	449
Custodian Fees	191
Auditing Fees	37
Shareholders' Reports—Investor Shares	1
Shareholders' Reports—ETF Shares	1,389
Shareholders' Reports—Admiral Shares	578
Shareholders' Reports—Institutional Shares	169
Shareholders' Reports—Institutional Plus Shares	90
Trustees' Fees and Expenses	85
Other Expenses	23
Total Expenses	61,627
Expenses Paid Indirectly	(8)
Net Expenses	61,619
Net Investment Income	2,384,139
Realized Net Gain (Loss)	
Investment Securities Sold <sup>2,3</sup>	560,466
Futures Contracts	40,311
Swap Contracts	23,882
Realized Net Gain (Loss)	624,659
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>2</sup>	18,589,151
Futures Contracts	24,275
Swap Contracts	56,866
Change in Unrealized Appreciation (Depreciation)	18,670,292
Net Increase (Decrease) in Net Assets Resulting from Operations	21,679,090

<sup>1</sup> Dividends are net of foreign withholding taxes of \$935,000.

<sup>2</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$33,917,000, \$178,000, \$6,000, and (\$264,000), respectively. Purchases and sales are for temporary cash investment purposes.

<sup>3</sup> Includes \$6,499,705,000 of net gain (loss) resulting from in-kind redemptions.

# Statement of Changes in Net Assets

	Year Ende	d December 31,
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	2,384,139	2,185,524
Realized Net Gain (Loss)	624,659	2,853,546
Change in Unrealized Appreciation (Depreciation)	18,670,292	(36,662,503)
Net Increase (Decrease) in Net Assets Resulting from Operations	21,679,090	(31,623,433)
Distributions		
Investor Shares	(6,392)	(7,365)
ETF Shares	(884,374)	(779,343)
Admiral Shares	(872,711)	(818,365)
Institutional Shares	(338,375)	(331,945)
Institutional Plus Shares	(256,449)	(235,283)
Total Distributions	(2,358,301)	(2,172,301)
Capital Share Transactions		
Investor Shares	(116,598)	(126,905)
ETF Shares	2,252,186	3,900,034
Admiral Shares	(1,165,068)	(830,405)
Institutional Shares	(1,138,787)	(1,758,614)
Institutional Plus Shares	(455,704)	710,097
Net Increase (Decrease) from Capital Share Transactions	(623,971)	1,894,207
Total Increase (Decrease)	18,696,818	(31,901,527)
Net Assets		
Beginning of Period	136,764,781	168,666,308
End of Period	155,461,599	136,764,781

#### **Investor Shares**

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$55.66	\$69.54	\$56.52	\$48.64	\$37.71
Investment Operations					
Net Investment Income <sup>1</sup>	.887	.807	.652	.698	.577
Net Realized and Unrealized Gain (Loss) on Investments	7.851	(13.875)	13.065	7.937	11.018
Total from Investment Operations	8.738	(13.068)	13.717	8.635	11.595
Distributions					
Dividends from Net Investment Income	(.888)	(.812)	(.697)	(.755)	(.665
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(.888)	(.812)	(.697)	(.755)	(.665
Net Asset Value, End of Period	\$63.51	\$55.66	\$69.54	\$56.52	\$48.64
Total Return <sup>2</sup>	15.84%	-18.80%	24.36%	18.10%	30.86%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$416	\$476	\$740	\$834	\$877
Ratio of Total Expenses to Average Net Assets	0.17% <sup>3</sup>	0.17% <sup>3</sup>	0.17%	0.17%	0.17%
Ratio of Net Investment Income to Average Net Assets	1.52%	1.36%	1.02%	1.49%	1.31%
Portfolio Turnover Rate <sup>4</sup>	13%	12%	16%	26%	15%

<sup>1</sup> Calculated based on average shares outstanding.

#### **ETF Shares**

For a Share Outstanding	Year Ended December 31				cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$203.84	\$254.69	\$207.00	\$178.14	\$138.08
Investment Operations					
Net Investment Income <sup>1</sup>	3.589	3.302	2.741	2.772	2.663
Net Realized and Unrealized Gain (Loss) on Investments	28.686	(50.886)	47.811	29.084	40.043
Total from Investment Operations	32.275	(47.584)	50.552	31.856	42.706
Distributions					
Dividends from Net Investment Income	(3.535)	(3.266)	(2.862)	(2.996)	(2.646)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(3.535)	(3.266)	(2.862)	(2.996)	(2.646)
Net Asset Value, End of Period	\$232.58	\$203.84	\$254.69	\$207.00	\$178.14
Total Return	15.99%	-18.68%	24.52%	18.22%	31.04%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$59,376	\$49,861	\$57,774	\$41,587	\$29,014
Ratio of Total Expenses to Average Net Assets	0.04%2	0.04%2	0.04%	0.04%	0.04%
Ratio of Net Investment Income to Average Net Assets	1.68%	1.53%	1.16%	1.61%	1.62%
Portfolio Turnover Rate <sup>3</sup>	13%	12%	16%	26%	15%
1 Calculated based on average charge outstanding					

<sup>1</sup> Calculated based on average shares outstanding.

See accompanying Notes, which are an integral part of the Financial Statements.

<sup>2</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.17%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.04%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

#### Admiral Shares

For a Share Outstanding	Year Ended December				cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$252.47	\$315.46	\$256.40	\$220.66	\$171.04
Investment Operations					
Net Investment Income <sup>1</sup>	4.381	4.028	3.333	3.418	3.296
Net Realized and Unrealized Gain (Loss) on Investments	35.571	(63.000)	59.242	36.010	49.578
Total from Investment Operations	39.952	(58.972)	62.575	39.428	52.874
Distributions					
Dividends from Net Investment Income	(4.352)	(4.018)	(3.515)	(3.688)	(3.254)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(4.352)	(4.018)	(3.515)	(3.688)	(3.254)
Net Asset Value, End of Period	\$288.07	\$252.47	\$315.46	\$256.40	\$220.66
Total Return <sup>2</sup>	15.98%	-18.71%	24.51%	18.24%	31.03%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$57,330	\$51,352	\$65,118	\$53,301	\$47,640
Ratio of Total Expenses to Average Net Assets	0.05% <sup>3</sup>	0.05%3	0.05%	0.05%	0.05%
Ratio of Net Investment Income to Average Net Assets	1.65%	1.51%	1.14%	1.61%	1.62%
Portfolio Turnover Rate <sup>4</sup>	13%	12%	16%	26%	15%
Average Net Assets					_

<sup>1</sup> Calculated based on average shares outstanding.

#### Institutional Shares

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$55.77	\$69.69	\$56.64	\$48.74	\$37.78
Investment Operations					
Net Investment Income <sup>1</sup>	.971	.893	.743	.759	.727
Net Realized and Unrealized Gain (Loss) on Investments	7.866	(13.919)	13.090	7.961	10.957
Total from Investment Operations	8.837	(13.026)	13.833	8.720	11.684
Distributions					
Dividends from Net Investment Income	(.967)	(.894)	(.783)	(.820)	(.724)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(.967)	(.894)	(.783)	(.820)	(.724)
Net Asset Value, End of Period	\$63.64	\$55.77	\$69.69	\$56.64	\$48.74
Total Return	16.00%	-18.70%	24.53%	18.26%	31.04%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$21,867	\$20,231	\$27,312	\$22,291	\$20,425
Ratio of Total Expenses to Average Net Assets	0.04%2	0.04%2	0.04%	0.04%	0.04%
Ratio of Net Investment Income to Average Net Assets	1.66%	1.51%	1.15%	1.62%	1.62%
Portfolio Turnover Rate <sup>3</sup>	13%	12%	16%	26%	15%
1 Calculated bear of an expense above a systematic of					

 $<sup>1 \ \ {\</sup>it Calculated based on average shares outstanding}.$ 

See accompanying Notes, which are an integral part of the Financial Statements.

<sup>2</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.05%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.04%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

#### Institutional Plus Shares

For a Share Outstanding			Ye	ear Ended De	cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$275.06	\$343.68	\$279.34	\$240.40	\$186.34
Investment Operations					
Net Investment Income <sup>1</sup>	4.831	4.458	3.688	3.774	3.598
Net Realized and Unrealized Gain (Loss) on Investments	38.747	(68.641)	64.544	39.230	54.052
Total from Investment Operations	43.578	(64.183)	68.232	43.004	57.650
Distributions					
Dividends from Net Investment Income	(4.798)	(4.437)	(3.892)	(4.064)	(3.590)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(4.798)	(4.437)	(3.892)	(4.064)	(3.590)
Net Asset Value, End of Period	\$313.84	\$275.06	\$343.68	\$279.34	\$240.40
Total Return	16.00%	-18.69%	24.53%	18.27%	31.06%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$16,472	\$14,846	\$17,723	\$14,937	\$13,612
Ratio of Total Expenses to Average Net Assets	0.03%2	0.03%2	0.03%	0.03%	0.03%
Ratio of Net Investment Income to Average Net Assets	1.67%	1.53%	1.16%	1.63%	1.62%
Portfolio Turnover Rate <sup>3</sup>	13%	12%	16%	26%	15%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.03%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

#### Notes to Financial Statements

Vanguard Mid-Cap Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers five classes of shares: Investor Shares, ETF Shares, Admiral Shares, Institutional Shares, and Institutional Plus Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

In March 2023, the board of trustees approved a plan of reorganization whereby the fund will reorganize from Vanguard Index Funds (such fund the "Predecessor Fund") to a newly created shell series under Vanguard Valley Forge Funds. The purpose of the reorganization is to improve administrative efficiencies for all funds within the Vanguard complex by spreading the filing and reporting requirements across different legal entities. After the reorganization the surviving fund will be identical in its management to the Predecessor Fund and its investment objective, strategies, and policies will remain unchanged. The reorganization is anticipated to qualify as a tax-free reorganization under the Internal Revenue Code of 1986, as amended.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Other temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services.
- 2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the fund's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks or indexes in the fund's target index. Under the terms of the swaps, the fund receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock

at the beginning of the equity swap contract. The fund also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the fund generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the fund. The fund's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The fund mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the fund cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund's net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, the fund's average amounts of investments in total return swaps represented less than 1% of net assets, based on the average of notional amounts at each quarter-end during the period.

- 4. Federal Income Taxes: The fund intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.
- 5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 6. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on Ioan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.

7. Credit Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities are amortized and accreted, respectively, to interest income over the lives of the respective securities, except for premiums on certain callable debt securities that are amortized to the earliest call date. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Each class of shares has equal rights as to assets and earnings, except that each class separately bears certain class-specific expenses related to maintenance of shareholder accounts (included in Management and Administrative expenses) and shareholder reporting. Marketing and distribution expenses are allocated to each class of shares based on a method approved by the board of trustees. Income, other non-class-specific expenses, and gains and losses on investments are allocated to each class of shares based on its relative net assets.

**B.** In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$4,827,000, representing less than 0.01% of the fund's net assets and 1.93% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$8,000 (an annual rate of less than 0.01% of average net assets).

- **D.** Various inputs may be used to determine the value of the fund's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- Level 3—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
Investments				
Assets				
Common Stocks	154,511,384	_	_	154,511,384
Temporary Cash Investments	1,119,284	_	_	1,119,284
Total	155,630,668	_	_	155,630,668
Derivative Financial Instruments				
Assets				
Futures Contracts <sup>1</sup>	7,544	_	_	7,544
Swap Contracts	_	44,191	_	44,191
Total	7,544	44,191	_	51,735
Liabilities				
Swap Contracts	_	1,185	_	1,185

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions, passive foreign investment companies, and swap agreements were reclassified between the following accounts:

	Amount (\$000)
Paid-in Capital	6,500,259
Total Distributable Earnings (Loss)	(6,500,259)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; and the recognition of unrealized gains from passive foreign investment companies. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	122,056
Undistributed Long-Term Gains	
Net Unrealized Gains (Losses)	51,972,233
Capital Loss Carryforwards	(21,193,850)
Qualified Late-Year Losses	
Other Temporary Differences	
Total	30,900,439

The tax character of distributions paid was as follows:

Total	2,358,301	2,172,301
Long-Term Capital Gains	_	
Ordinary Income*	2,358,301	2,172,301
	2023 Amount (\$000)	2022 Amount (\$000)
	Year Ended I	December 31,

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	103,658,435
Gross Unrealized Appreciation	56,003,239
Gross Unrealized Depreciation	(4,031,006)
Net Unrealized Appreciation (Depreciation)	51,972,233

F. During the year ended December 31, 2023, the fund purchased \$31,187,364,000 of investment securities and sold \$31,275,203,000 of investment securities, other than temporary cash investments. Purchases and sales include \$13,167,256,000 and \$12,306,420,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$889,721,000 and sales were \$6,274,059,000, resulting in net realized loss of \$4,198,438,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

#### G. Capital share transactions for each class of shares were:

	Year Ended December				
		2023		2022	
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)	
Investor Shares					
Issued	24,944	427	38,431	646	
Issued in Lieu of Cash Distributions	6,392	109	7,365	130	
Redeemed	(147,934)	(2,529)	(172,701)	(2,864)	
Net Increase (Decrease)—Investor Shares	(116,598)	(1,993)	(126,905)	(2,088)	
ETF Shares					
Issued	14,593,074	68,060	22,366,377	104,145	
Issued in Lieu of Cash Distributions	_	_	_	_	
Redeemed	(12,340,888)	(57,375)	(18,466,343)	(86,375)	
Net Increase (Decrease)—ETF Shares	2,252,186	10,685	3,900,034	17,770	
Admiral Shares					
Issued	5,182,979	19,544	6,210,546	23,079	
Issued in Lieu of Cash Distributions	769,218	2,888	713,328	2,783	
Redeemed	(7,117,265)	(26,814)	(7,754,279)	(28,889)	
Net Increase (Decrease)—Admiral Shares	(1,165,068)	(4,382)	(830,405)	(3,027)	
Institutional Shares					
Issued	2,518,909	43,175	3,105,126	52,367	
Issued in Lieu of Cash Distributions	314,097	5,340	306,818	5,408	
Redeemed	(3,971,793)	(67,623)	(5,170,558)	(86,962)	
Net Increase (Decrease)—Institutional Shares	(1,138,787)	(19,108)	(1,758,614)	(29,187)	

	Year Ended December 3				
		2023		2022	
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)	
Institutional Plus Shares					
Issued	1,384,915	4,823	2,083,499	7,084	
Issued in Lieu of Cash Distributions	254,963	879	233,744	837	
Redeemed	(2,095,582)	(7,190)	(1,607,146)	(5,516)	
Net Increase (Decrease)—Institutional Plus Shares	(455,704)	(1,488)	710,097	2,405	

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

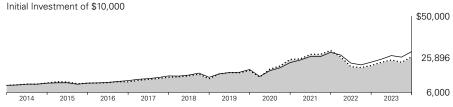
I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

## Mid-Cap Growth Index Fund

# Performance Summary

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the fund. (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.) 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 fund distributions or on the sale of fund shares.

### Cumulative Performance: December 31, 2013, Through December 31, 2023



#### Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Growth Index Fund Investor Shares	22.99%	13.57%	9.98%	\$25,896
······ CRSP US Mid Cap Growth Index	23.20	13.75	10.17	26,341
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Growth Index Fund ETF Shares Net Asset Value	23.14%	13.70%	10.12%	\$26,213
Mid-Cap Growth Index Fund ETF Shares Market Price	23.21	13.72	10.12	26,220
CRSP US Mid Cap Growth Index	23.20	13.75	10.17	26,341
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Growth Index Fund Admiral Shares	23.14%	13.70%	10.12%	\$26,214
CRSP US Mid Cap Growth Index	23.20	13.75	10.17	26,341
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

#### Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

	One Year	Five Years	Ten Years
Mid-Cap Growth Index Fund ETF Shares Market Price	23.21%	90.16%	162.20%
Mid-Cap Growth Index Fund ETF Shares Net Asset Value	23.14	90.01	162.13
CRSP US Mid Cap Growth Index	23.20	90.44	163.41

For the ETF Shares, the market price is determined by the midpoint of the bid-offer spread as of the closing time of the New York Stock Exchange (generally 4 p.m., Eastern time). The net asset value is also determined as of the NYSE closing time. For more information about how the ETF Shares' market prices have compared with their net asset value, visit vanguard.com, select your ETF, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

## **Fund Allocation**

As of December 31, 2023

Basic Materials	1.7%
Consumer Discretionary	13.1
Consumer Staples	1.9
Energy	6.9
Financials	6.9
Health Care	11.5
Industrials	20.2
Real Estate	7.3
Technology	24.8
Telecommunications	3.9
Utilities	1.8

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

## **Financial Statements**

## Schedule of Investments

As of December 31, 2023

The fund 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 fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

		Market Value*			Market Value*
	Shares	(\$000)		Shares	(\$000)
Common Stocks (99.9%)			FactSet Research Systems Inc.	271,261	129,405
Basic Materials (1.7%)			LPL Financial Holdings Inc.	539,973	122,909
Fastenal Co.	4,080,398	264,287	Tradeweb Markets Inc. Class A	819,282	74,456
<sup>1</sup> Albemarle Corp.	837,911	121,062	* Markel Group Inc. Interactive Brokers Group Inc. Class A	44,841	63,670
	<del>-</del>	385,349	Brown & Brown Inc.	725,997 813,048	60,185 57,816
Consumer Discretionary (13.1%)			Blown & Blown Inc.	010,040	
* Copart Inc.	6,171,406	302,399	Health Care (11.5%)		1,581,788
* Trade Desk Inc. Class A	3,186,587	229,307	* Dexcom Inc.	2,758,999	342,364
* Chipotle Mexican Grill Inc. Class A	97,988	224,094	* IQVIA Holdings Inc.	1,303,139	301,521
* Royal Caribbean Cruises Ltd.	1,555,240	201,388	West Pharmaceutical Services Inc.	528,351	186,043
* Take-Two Interactive Software Inc.	1,214,435	195,463	* Veeva Systems Inc. Class A	939,306	180,835
* Aptiv plc	2,019,665	181,204	ResMed Inc.	1,050,320	180,635
* Ulta Beauty Inc.	351,521	172,242	* Alnylam Pharmaceuticals Inc.	896,097	171,522
Hilton Worldwide Holdings Inc.	915,568	166,716	* IDEXX Laboratories Inc.	296,521	164,584
Tractor Supply Co.	771,977	165,998	* Illumina Inc.	1,133,886	157,882
* AutoZone Inc.	62,958	162,785	* Molina Healthcare Inc.	416,322	150,421
* ROBLOX Corp. Class A	3,481,809	159,188	* Align Technology Inc.	519,533	142,352
* Expedia Group Inc.	951,984	144,502	Cooper Cos. Inc.	353,638	133,831
* Live Nation Entertainment Inc.	1,151,271	107,759	* BioMarin Pharmaceutical Inc.	1,345,094	129,694
LKQ Corp.	1,910,588	91,307	* Moderna Inc.	1,225,149	129,694
Rollins Inc.	2,073,823	90,564	* Insulet Corp.	498,591	108,184
* Burlington Stores Inc.	460,720	89,601	* Incyte Corp.		85,410
Domino's Pizza Inc.	195,059	80,409	STERIS plc	1,360,247 352,761	77,555
* NVR Inc.	10,789	75,528	* Bio-Rad Laboratories Inc. Class A	,	
Las Vegas Sands Corp.	1,364,743	67,159	BIO-RAG LABORATORIES INC. Class A	36,570	11,808
Pool Corp.	131,134	52,284			2,646,523
Warner Music Group Corp. Class A	888,706	31,807	Industrials (20.2%)		
* Chewy Inc. Class A	364,019	8,602	TransDigm Group Inc.	375,245	379,598
*,1 Lucid Group Inc.	1,632,609	6,873	Cintas Corp.	618,245	372,592
		3,007,179	Old Dominion Freight Line Inc.	701,229	284,229
Consumer Staples (1.9%)		2,223,112	AMETEK Inc.	1,648,156	271,764
Church & Dwight Co. Inc.	1,759,508	166,379	WW Grainger Inc.	318,991	264,345
Brown-Forman Corp. Class B	2,215,982	126,533	Verisk Analytics Inc. Class A	1,035,355	247,305
McCormick & Co. Inc. (Non-Voting)	897,253	61,390	Quanta Services Inc.	1,037,428	223,877
Lamb Weston Holdings Inc.	517,495	55,936	Martin Marietta Materials Inc.	441,347	220,192
Brown-Forman Corp. Class A	361,122	21,519	Equifax Inc.	879,813	217,569
		<del> </del>	Vulcan Materials Co.	948,804	215,388
F (0.00()		431,757	Xylem Inc.	1,721,414	196,861
Energy (6.9%)	4 070 005	004.500	* Fair Isaac Corp.	167,654	195,151
Hess Corp.	1,973,985	284,569	* Mettler-Toledo International Inc.	154,823	187,794
Cheniere Energy Inc.	1,616,298	275,918	* Teledyne Technologies Inc.	336,916	150,362
Devon Energy Corp.	4,574,762	207,237	* Waters Corp.	422,163	138,989
Diamondback Energy Inc.	1,278,145	198,215	* FleetCorTechnologies Inc.	489,791	138,420
Coterra Energy Inc.	5,102,812	130,224	Veralto Corp.	1,670,852	137,444
* First Solar Inc.	724,794	124,867	Rockwell Automation Inc.	409,389	127,107
* Enphase Energy Inc.	926,303	122,402	JB Hunt Transport Services Inc.	589,161	117,679
Halliburton Co.	2,875,983	103,967	Ingersoll Rand Inc.	1,445,233	111,774
EQT Corp.	1,468,718	56,780	Howmet Aerospace Inc.	1,470,078	79,561
Marathon Oil Corp.	2,088,749	50,464	HEICO Corp. Class A	537,160	76,513
Texas Pacific Land Corp.	21,928 _	34,481	Ball Corp.	1,125,708	64,751
		1,589,124	HEICO Corp.	292,495	52,319
Financials (6.9%)			TransUnion	691,809	47,534
MSCI Inc. Class A	536,515	303,480	* Trimble Inc.	888,463	47,266
Apollo Global Management Inc.	2,836,905	264,371	Jack Henry & Associates Inc.	259,915	42,473
* Coinbase Global Inc. Class A	1,097,093	190,807	* BILL Holdings Inc.	362,220	29,553
Broadridge Financial Solutions Inc.	840,128	172,856	*,1 Symbotic Inc. Class A	175,769	9,022

	Shares	Market Value* (\$000)		Shares	Market Value* (\$000)
Real Estate (7.3%)			* Twilio Inc. Class A	1,228,061	93,173
Welltower Inc.	3,971,019	358,067	Bentley Systems Inc. Class B	1,624,357	84,759
Realty Income Corp.	5,169,220	296,817	* Unity Software Inc.	1,899,441	77,668
* CoStar Group Inc.	2,915,888	254,819	Paycom Software Inc.	365,536	75,564
Extra Space Storage Inc.	1,508,665	241,884	Seagate Technology Holdings plc	709,472	60,568
SBA Communications Corp. Class A	770,364	195,434	* DocuSign Inc. Class A	725,765	43,147
Invitation Homes Inc.	4,369,799	149,054	* Match Group Inc.	970,826	35,435
Sun Communities Inc.	888,584	118,759	•	,	5,697,579
* Zillow Group Inc. Class C	552,138	31,947	Telecommunications (3.9%)		5,057,575
Camden Property Trust	190,649	18,929	* Arista Networks Inc.	1 777014	418,552
* Zillow Group Inc. Class A	138,935	7,880	Motorola Solutions Inc.	1,777,214	371,068
,	-	1 672 500		1,185,180	,
TI(04.70/)		1,673,590	* Liberty Broadband Corp. Class C	849,105	68,429
Technology (24.7%)	4.070.000	400 500	* Roku Inc. Class A	446,697	40,944
Amphenol Corp. Class A	4,272,396	423,523	* Liberty Broadband Corp. Class A	121,498	9,798
Microchip Technology Inc.	3,863,494	348,410			908,791
* Atlassian Corp. Class A	1,106,890	263,285	Utilities (1.8%)		
* ON Semiconductor Corp.	3,075,475	256,894	Waste Connections Inc.	1,839,805	274,628
* Palantir Technologies Inc. Class A	14,038,493	241,041	Constellation Energy Corp.	1,140,371	133,298
* Gartner Inc.	528,784	238,540	37	, ,	407,926
* Datadog Inc. Class A	1,941,903	235,708			407,926
* ANSYS Inc.	620,330	225,105	Total Common Stocks		
* DoorDash Inc. Class A	2,250,256	222,528	(Cost \$16,089,470)		22,977,038
Monolithic Power Systems Inc.	325,022	205,017	Temporary Cash Investments (0.2%)		
* HubSpot Inc.	341,426	198,211			
* MongoDB Inc. Class A	483,979	197,875	Money Market Fund (0.2%)		
Marvell Technology Inc.	3,080,511	185,786	Vanguard Market Liquidity Fund, 5.435%	001 705	CO 101
* Splunk Inc.	1,203,516	183,356	(Cost \$62,161)	621,735	62,161
* Cloudflare Inc. Class A	2,007,243	167,123	Total Investments (100.1%)		
* Pinterest Inc. Class A	4,186,814	155,080	(Cost \$16,151,631)		23,039,199
* Zscaler Inc.	630,531	139,700	Other Assets and Liabilities – Net (-0.1%)		(34,303)
* Fortinet Inc.	2,330,432	136,400	<u></u>		
Skyworks Solutions Inc.	1,142,138	128,399	Net Assets (100%)		23,004,896
* VeriSign Inc.	619,712	127,636	Cost is in \$000.		
* Akamai Technologies Inc.	1,077,097	127,474	See Note A in Notes to Financial Statements.		
* Snap Inc. Class A	7,456,011	126,230	* Non-income-producing security.		
* Tyler Technologies Inc.	300,803	125,772	Includes partial security positions on loan to broker-dealers.	The total value of securi	ties on loan is
* EPAM Systems Inc.	412,003	122,505	\$17,419,000.		
* Zoom Video Communications Inc. Class A	1,656,605	119,127	Affiliated money market fund available only to Vanguard fund	ds and certain trusts and	d accounts manage
Teradyne Inc.	1,091,596	118,460	by Vanguard. Rate shown is the 7-day yield.		
* GoDaddy Inc. Class A	1,005,579	106,752	3 Collateral of \$19,279,000 was received for securities on loan		
* Okta Inc. Class A	1,119,278	101,328	, . ,		

### Derivative Financial Instruments Outstanding as of Period End

### Futures Contracts

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
E-mini S&P 500 Index	March 2024	42	10,122	66
E-mini S&P Mid-Cap 400 Index	March 2024	16	4,495	(23)
				43

### Over-the-Counter Total Return Swaps

Reference Entity	Termination Date	Counterparty	Notional Amount (\$000)	Floating Interest Rate Received (Paid) <sup>1</sup> (%)	Value and Unrealized Appreciation (\$000)	Value and Unrealized (Depreciation) (\$000)
Domino's Pizza Inc.	8/30/24	BANA	10,608	(5.332)	511	_
Domino's Pizza Inc.	8/30/24	BANA	10,608	(5.332)	511	_
					1,022	_

<sup>1</sup> Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A.

At December 31, 2023, the counterparties had deposited in segregated accounts securities with a value of \$1,168,000 in connection with open over-the-counter swap contracts.

## Statement of Assets and Liabilities

As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amoun
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$16,089,470)	22,977,03
Affiliated Issuers (Cost \$62,161)	62,16
Total Investments in Securities	23,039,199
Investment in Vanguard	707
Cash Collateral Pledged—Futures Contracts	1,670
Receivables for Investment Securities Sold	28
Receivables for Accrued Income	9,04
Receivables for Capital Shares Issued	7,869
Unrealized Appreciation—Over-the-Counter Swap Contracts	1,022
Total Assets	23,059,789
Liabilities	
Due to Custodian	266
Payables for Investment Securities Purchased	246
Collateral for Securities on Loan	19,279
Payables for Capital Shares Redeemed	34,207
Payables to Vanguard	706
Variation Margin Payable—Futures Contracts	189
Total Liabilities	54,893
Net Assets	23,004,896
1 Includes \$17,419,000 of securities on loan.	
At December 31, 2023, net assets consisted of:	
Paid-in Capital	20,611,267
Total Distributable Earnings (Loss)	2,393,629
Net Assets	23,004,896
Investor Shares – Net Assets	
Applicable to 572,826 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	49,47
Net Asset Value Per Share—Investor Shares	\$86.30
ETF Shares – Net Assets	
Applicable to 53,966,345 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	11,851,14
Net Asset Value Per Share — ETF Shares	\$219.6
Admiral Shares—Net Assets	
Admiral Shares—Net Assets  Applicable to 117,467,797 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	11,104,28

 ${\sf Net\,Asset\,Value\,Per\,Share-Admiral\,Shares}$ 

\$94.53

# Statement of Operations

Year Ended December 31, 2023

	(\$000)
Investment Income	
Income	
Dividends <sup>1</sup>	176,605
Interest <sup>2</sup>	1,197
Securities Lending—Net	2,061
Total Income	179,863
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	446
Management and Administrative—Investor Shares	82
Management and Administrative—ETF Shares	6,025
Management and Administrative—Admiral Shares	6,053
Marketing and Distribution—Investor Shares	3
Marketing and Distribution—ETF Shares	585
Marketing and Distribution—Admiral Shares	528
Custodian Fees	86
Auditing Fees	34
Shareholders' Reports—Investor Shares	_
Shareholders' Reports—ETF Shares	373
Shareholders' Reports—Admiral Shares	139
Trustees' Fees and Expenses	12
Other Expenses	23
Total Expenses	14,389
Net Investment Income	165,474
Realized Net Gain (Loss)	
Investment Securities Sold <sup>2,3</sup>	(359,856)
Futures Contracts	2,140
Swap Contracts	66
Realized Net Gain (Loss)	(357,650)
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>2</sup>	4,490,460
Futures Contracts	282
Swap Contracts	1,022
Change in Unrealized Appreciation (Depreciation)	4,491,764
Net Increase (Decrease) in Net Assets Resulting from Operations	4,299,588
1. Dividends are not of foreign withholding toyog of \$270,000	

 $<sup>1\,</sup>$  Dividends are net of foreign withholding taxes of \$279,000.

<sup>2</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$1,140,000, (\$1,000), less than \$1,000, and (\$25,000), respectively. Purchases and sales are for temporary cash investment purposes.

 $<sup>3\,</sup>$  Includes \$792,304,000 of net gain (loss) resulting from in-kind redemptions.

# Statement of Changes in Net Assets

	Year Ended	d December 31,
	2023 (\$000)	2022 (\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	165,474	143,006
Realized Net Gain (Loss)	(357,650)	(287,627)
Change in Unrealized Appreciation (Depreciation)	4,491,764	(7,290,573)
Net Increase (Decrease) in Net Assets Resulting from Operations	4,299,588	(7,435,194)
Distributions		
Investor Shares	(311)	(306)
ETF Shares	(83,169)	(71,823)
Admiral Shares	(79,306)	(70,682)
Total Distributions	(162,786)	(142,811)
Capital Share Transactions		
Investor Shares	(6,325)	(17,561)
ETF Shares	427,802	298,485
Admiral Shares	(37,033)	99,556
Net Increase (Decrease) from Capital Share Transactions	384,444	380,480
Total Increase (Decrease)	4,521,246	(7,197,525)
Net Assets		
Beginning of Period	18,483,650	25,681,175
End of Period	23,004,896	18,483,650

### **Investor Shares**

For a Share Outstanding			Year	Ended Dec	ember 31,	
Throughout Each Period	2023	2022	2021	2020	2019	
Net Asset Value, Beginning of Period	\$70.68	\$100.07	\$83.37	\$62.43	\$47.02	
Investment Operations						
Net Investment Income <sup>1</sup>	.528	.444	.229	.340	.345	
Net Realized and Unrealized Gain (Loss) on Investments	15.674	(29.381)	16.697	20.984	15.485	
Total from Investment Operations	16.202	(28.937)	16.926	21.324	15.830	
Distributions						
Dividends from Net Investment Income	(.522)	(.453)	(.226)	(.384)	(.420	
Distributions from Realized Capital Gains	_	_	_	_	_	
Total Distributions	(.522)	(.453)	(.226)	(.384)	(.420	
Net Asset Value, End of Period	\$86.36	\$70.68	\$100.07	\$83.37	\$62.43	
Total Return <sup>2</sup>	22.99%	-28.93%	20.32%	34.32%	33.72%	
Ratios/Supplemental Data						
Net Assets, End of Period (Millions)	\$49	\$46	\$86	\$81	\$63	
Ratio of Total Expenses to Average Net Assets	0.19%	0.19% <sup>3</sup>	0.19%	0.19%	0.19%	
Ratio of Net Investment Income to Average Net Assets	0.68%	0.57%	0.25%	0.51%	0.62%	
Portfolio Turnover Rate <sup>4</sup>	14%	22%	25%	22%	18%	

<sup>1</sup> Calculated based on average shares outstanding.

### **ETF Shares**

For a Share Outstanding	Year Ended December 31,				
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$179.73	\$254.49	\$212.00	\$158.76	\$119.58
Investment Operations					
Net Investment Income <sup>1</sup>	1.601	1.405	.870	1.074	1.386
Net Realized and Unrealized Gain (Loss) on Investments	39.835	(74.767)	42.479	53.347	39.040
Total from Investment Operations	41.436	(73.362)	43.349	54.421	40.426
Distributions					
Dividends from Net Investment Income	(1.566)	(1.398)	(.859)	(1.181)	(1.246)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(1.566)	(1.398)	(.859)	(1.181)	(1.246)
Net Asset Value, End of Period	\$219.60	\$179.73	\$254.49	\$212.00	\$158.76
Total Return	23.14%	-28.84%	20.47%	34.46%	33.86%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$11,851	\$9,313	\$12,798	\$10,164	\$6,995
Ratio of Total Expenses to Average Net Assets	0.07%	0.07%2	0.07%	0.07%	0.07%
Ratio of Net Investment Income to Average Net Assets	0.81%	0.72%	0.37%	0.63%	0.95%
Portfolio Turnover Rate <sup>3</sup>	14%	22%	25%	22%	18%
1 Calculated based on average charge outstanding					

 $<sup>1 \ \ {\</sup>it Calculated based on average shares outstanding}.$ 

See accompanying Notes, which are an integral part of the Financial Statements.

<sup>2</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.19%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

<sup>2</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

<sup>3</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

### **Admiral Shares**

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$77.37	\$109.55	\$91.26	\$68.34	\$51.48
Investment Operations					
Net Investment Income <sup>1</sup>	.684	.602	.373	.461	.603
Net Realized and Unrealized Gain (Loss) on Investments	17.150	(32.180)	18.287	22.967	16.793
Total from Investment Operations	17.834	(31.578)	18.660	23.428	17.396
Distributions					
Dividends from Net Investment Income	(.674)	(.602)	(.370)	(.508)	(.536)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(.674)	(.602)	(.370)	(.508)	(.536)
Net Asset Value, End of Period	\$94.53	\$77.37	\$109.55	\$91.26	\$68.34
Total Return <sup>2</sup>	23.14%	-28.84%	20.48%	34.48%	33.86%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$11,104	\$9,124	\$12,797	\$10,712	\$8,173
Ratio of Total Expenses to Average Net Assets	0.07%	0.07% <sup>3</sup>	0.07%	0.07%	0.07%
Ratio of Net Investment Income to Average Net Assets	0.81%	0.71%	0.37%	0.63%	0.96%
Portfolio Turnover Rate <sup>4</sup>	14%	22%	25%	22%	18%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

### Notes to Financial Statements

Vanguard Mid-Cap Growth Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers three classes of shares: Investor Shares, ETF Shares, and Admiral Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the fund's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks or indexes in the fund's target index. Under the terms of the swaps, the fund receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock at the beginning of the equity swap contract. The fund also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the fund generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the fund. The fund's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The fund mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the fund cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund

under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund's net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, the fund's average amounts of investments in total return swaps represented less than 1% of net assets, based on the average of notional amounts at each quarter-end during the period.

- 4. Federal Income Taxes: The fund intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.
- 5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 6. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on Ioan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.
- 7. Credit Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Each class of shares has equal rights as to assets and earnings, except that each class separately bears certain class-specific expenses related to maintenance of shareholder accounts (included in Management and Administrative expenses) and shareholder reporting. Marketing and distribution expenses are allocated to each class of shares based on a method approved by the board of trustees. Income, other non-class-specific expenses, and gains and losses on investments are allocated to each class of shares based on its relative net assets.

B. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$707,000, representing less than 0.01% of the fund's net assets and 0.28% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively. of Vanguard.

**C.** Various inputs may be used to determine the value of the fund's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)	Total (\$000)
Investments				
Assets				
Common Stocks	22,977,038	_	_	22,977,038
Temporary Cash Investments	62,161	_	_	62,161
Total	23,039,199	_	_	23,039,199
Derivative Financial Instruments				
Assets				
Futures Contracts <sup>1</sup>	66	_	_	66
Swap Contracts	_	1,022	_	1,022
Total	66	1,022	_	1,088
Liabilities				
Futures Contracts <sup>1</sup>	23	_	_	23

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

D. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions and swap agreements were reclassified between the following accounts:

	Amount (\$000)
Paid-in Capital	793,305
Total Distributable Earnings (Loss)	(793,305)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; and the recognition of unrealized gains or losses from certain derivative contracts. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

Undistributed Ordinary Income Undistributed Long-Term Gains Net Unrealized Gains (Losses) Capital Loss Carryforwards Qualified Late-Year Losses Other Temporary Differences Total	Amount (\$000)
Net Unrealized Gains (Losses) Capital Loss Carryforwards Qualified Late-Year Losses Other Temporary Differences	5,044
Capital Loss Carryforwards Qualified Late-Year Losses Other Temporary Differences	_
Qualified Late-Year Losses Other Temporary Differences	6,850,493
Other Temporary Differences	(4,461,908)
Total	_
	2,393,629

The tax character of distributions paid was as follows:

	Year Ended D	ecember 31,
	2023 Amount (\$000)	2022 Amount (\$000)
Ordinary Income*	162,786	142,811
Long-Term Capital Gains	_	_
Total	162,786	142,811

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	16,188,706
Gross Unrealized Appreciation	7,690,754
Gross Unrealized Depreciation	(840,261)
Net Unrealized Appreciation (Depreciation)	6,850,493

E. During the year ended December 31, 2023, the fund purchased \$4,827,212,000 of investment securities and sold \$4,443,931,000 of investment securities, other than temporary cash investments. Purchases and sales include \$1,930,119,000 and \$1,556,147,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$369,403,000 and sales were \$1,241,955,000, resulting in net realized loss of \$1,011,903,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

F. Capital share transactions for each class of shares were:

	Year Ended December 3				
		2023			
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)	
Investor Shares					
Issued	8,551	109	7,152	91	
Issued in Lieu of Cash Distributions	311	4	306	4	
Redeemed	(15,187)	(192)	(25,019)	(303)	
Net Increase (Decrease)—Investor Shares	(6,325)	(79)	(17,561)	(208)	
ETF Shares					
Issued	2,058,259	10,398	4,309,536	22,204	
Issued in Lieu of Cash Distributions	_	_	_	_	
Redeemed	(1,630,457)	(8,250)	(4,011,051)	(20,674)	
Net Increase (Decrease)—ETF Shares	427,802	2,148	298,485	1,530	
Admiral Shares					
Issued	1,523,152	17,926	1,795,061	20,960	
Issued in Lieu of Cash Distributions	70,921	822	63,404	794	
Redeemed	(1,631,106)	(19,219)	(1,758,909)	(20,629)	
Net Increase (Decrease)—Admiral Shares	(37,033)	(471)	99,556	1,125	

**G.** Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

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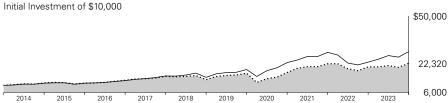
H. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

## Mid-Cap Value Index Fund

## Performance Summary

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the fund. (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.) 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 fund distributions or on the sale of fund shares.

## Cumulative Performance: December 31, 2013, Through December 31, 2023



### Average Annual Total Returns Periods Ended December 31, 2023

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Value Index Fund Investor Shares	9.62%	11.17%	8.36%	\$22,320
······ CRSP US Mid Cap Value Index	9.78	11.34	8.53	22,667
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Value Index Fund ETF Shares Net Asset Value	9.77%	11.30%	8.49%	\$22,587
Mid-Cap Value Index Fund ETF Shares Market Price	9.83	11.31	8.49	22,589
CRSP US Mid Cap Value Index	9.78	11.34	8.53	22,667
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

	One Year	Five Years	Ten Years	Final Value of a \$10,000 Investment
Mid-Cap Value Index Fund Admiral Shares	9.76%	11.31%	8.49%	\$22,591
CRSP US Mid Cap Value Index	9.78	11.34	8.53	22,667
Dow Jones U.S. Total Stock Market Float Adjusted Index	26.06	15.05	11.40	29,422

### Cumulative Returns of ETF Shares: December 31, 2013, Through December 31, 2023

	One Year	Five Years	Ten Years
Mid-Cap Value Index Fund ETF Shares Market Price	9.83%	70.87%	125.89%
Mid-Cap Value Index Fund ETF Shares Net Asset Value	9.77	70.76	125.87
CRSP US Mid Cap Value Index	9.78	71.08	126.67

For the ETF Shares, the market price is determined by the midpoint of the bid-offer spread as of the closing time of the New York Stock Exchange (generally 4 p.m., Eastern time). The net asset value is also determined as of the NYSE closing time. For more information about how the ETF Shares' market prices have compared with their net asset value, visit vanguard.com, select your ETF, click on Price, and then scroll down to the Premium/Discount chart. The ETF premium/discount chart there shows the percentage and days on which the ETF Shares' market price was above or below the NAV.

## **Fund Allocation**

As of December 31, 2023

Basic Materials	5.6%
Consumer Discretionary	13.0
Consumer Staples	6.7
Energy	3.2
Financials	17.5
Health Care	7.7
Industrials	19.4
Real Estate	9.2
Technology	5.5
Utilities	12.2

The table reflects the fund's investments, except for short-term investments and derivatives. Sector categories are based on the Industry Classification Benchmark ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

The fund may invest in derivatives (such as futures and swap contracts) for various reasons, including, but not limited to, attempting to remain fully invested and tracking its target index as closely as possible.

# **Financial Statements**

## Schedule of Investments

As of December 31, 2023

The fund 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 fund's Form N-PORT reports are available on the SEC's website at www.sec.gov.

	Shares	Market Value* (\$000)		Shares	Market Value• (\$000)
Common Stocks (99.8%)	Sildles	(\$000)	Tyson Foods Inc. Class A	2,183,709	117,374
Basic Materials (5.5%)			Kellanova	2,097,830	117,290
Nucor Corp.	1,882,126	327,565	Conagra Brands Inc.	3,659,313	104,876
LyondellBasell Industries NV Class A	1,986,634	188,889	J M Smucker Co.	771,924	97,556
Newmont Corp.	4,411,693	182,600	Hormel Foods Corp.	2,091,910	67,171
International Flavors & Fragrances Inc.	1,954,403	158,248	McCormick & Co. Inc. (Non-Voting)	961,933	65,815
Celanese Corp. Class A	833,393	129,484	Campbell Soup Co.	1,481,079	64,027
Avery Dennison Corp.	616,551	124,642	Albertsons Cos. Inc. Class A	2,424,846	55,772
CF Industries Holdings Inc.	1,462,723	116,286	Molson Coors Beverage Co. Class B	692,210	42,370
International Paper Co.	2,649,117	95,766			1,904,995
Mosaic Co.	2,502,256	89,406	Energy (3.2%)		
Steel Dynamics Inc.	588,460	69,497	ONEOK Inc.	4,459,982	313,180
Eastman Chemical Co.	453,774	40,758	Baker Hughes Co. Class A	7,703,652	263,311
FMC Corp.	477,376	30,099	Williams Cos. Inc.	4,656,749	162,194
Westlake Corp.	122,687	17,171	Halliburton Co.	3,083,607	111,472
	_	1,570,411	Marathon Oil Corp.	2,240,299	54,126
Consumer Discretionary (13.0%)			<b>-</b>		904,283
DR Horton Inc.	2,168,098	329,507	Financials (17.4%)		
Lennar Corp. Class A	1,876,361	279,653	Arthur J Gallagher & Co.	1,652,914	371,707
Dollar General Corp.	1,680,297	228,436	Ameriprise Financial Inc.	774,751	294,274
* Dollar Tree Inc.	1,600,133	227,299	Prudential Financial Inc.	2,763,795	286,633
Delta Air Lines Inc.	4,926,317	198,186	Allstate Corp.	2,003,460	280,444
* Warner Bros Discovery Inc.	15,262,727	173,690	Discover Financial Services	1,914,417	215,180
eBay Inc. PulteGroup Inc.	3,973,427 1,650,455	173,321 170,360	* Arch Capital Group Ltd. Willis Towers Watson plc	2,714,124 790,554	201,578 190,682
Darden Restaurants Inc.	921,127	151,341	Hartford Financial Services Group Inc.	2,302,682	185,090
Garmin Ltd.	1,171,792	151,541	T. Rowe Price Group Inc.	1,710,873	184,244
Genuine Parts Co.	1,073,341	148,658	American International Group Inc.	2,687,387	182,070
* Carnival Corp.	7,713,376	143,006	Fifth Third Bancorp	5,213,809	179,824
Electronic Arts Inc.	1,029,604	140,860	Nasdag Inc.	3,092,030	179,771
*,1 Rivian Automotive Inc. Class A	5,817,851	136,487	M&T Bank Corp.	1,270,579	174,171
Southwest Airlines Co.	4,563,854	131,804	State Street Corp.	2,244,370	173,849
Omnicom Group Inc.	1,515,464	131,103	Raymond James Financial Inc.	1,437,371	160,267
Best Buy Co. Inc.	1,499,607	117,389	Choe Global Markets Inc.	808,129	144,300
* United Airlines Holdings Inc.	2,501,428	103,209	Principal Financial Group Inc.	1,825,273	143,594
* MGM Resorts International	1,961,382	87,635	Huntington Bancshares Inc.	11,086,473	141,020
News Corp. Class A	3,436,880	84,375	Regions Financial Corp.	7,120,549	137,996
* NVR Inc.	11,558	80,911	Northern Trust Corp.	1,505,813	127,060
Fox Corp. Class A	1,856,375	55,079	Cincinnati Financial Corp.	1,201,288	124,285
Interpublic Group of Cos. Inc.	1,466,272	47,859	Everest Group Ltd.	332,194	117,457
* CarMax Inc.	607,306	46,605	Citizens Financial Group Inc.	3,390,934	112,376
Fox Corp. Class B	1,031,838	28,530	W R Berkley Corp.	1,480,696	104,715
Paramount Global Class B	1,786,952	26,429	KeyCorp	7,167,989	103,219
Endeavor Group Holdings Inc. Class A	1,035,765	24,579	Fidelity National Financial Inc.	1,979,458	100,992
Sirius XM Holdings Inc.	4,410,743	24,127	Loews Corp.	1,367,413	95,158
Lennar Corp. Class B	122,627	16,438	* Markel Group Inc.	48,071	68,256
News Corp. Class B	378,120	9,725	Franklin Resources Inc. Globe Life Inc.	2,082,600	62,041
1 Lucid Group Inc. 1 Paramount Global Class A	1,753,660	7,383	Corebridge Financial Inc.	342,217	41,655
Falamount Global Class A	93,029 _	1,829	*.1 Rocket Cos. Inc. Class A	1,686,615 970,641	36,532 14,055
Consumer Staples (6.7%)		3,676,435		·	4,934,495
Cencora Inc.	1,297,823	266,547	Health Care (7.7%)		,,
Corteva Inc.	5,396,517	258,601	* Centene Corp.	4,089,815	303,505
Kroger Co.	4,956,343	226,554	GE HealthCare Technologies Inc.	2,962,514	229,061
Archer-Daniels-Midland Co.	2,041,761	147,456	Zimmer Biomet Holdings Inc.	1,599,948	194,714
Walgreens Boots Alliance Inc.	5,291,265	138,155	Cardinal Health Inc.	1,886,957	190,205
Clorox Co.	949,793	135,431	Baxter International Inc.	3,884,043	150,157

	Shares	Market Value* (\$000)		Shares	Marke Value (\$000
Laboratory Corp. of America Holdings	649,995	147,737	Regency Centers Corp.	706,486	47,335
Biogen Inc.	554,662	143,530	Healthpeak Properties Inc.	2.093.818	41,458
Hologic Inc.	1,837,462	131,287	Camden Property Trust	204,447	20,300
Quest Diagnostics Inc.	860,807	118,688			
Avantor Inc.	5,178,355	118,222	Tl/F F0()		2,594,08
Revvity Inc.	944,796	103,276	Technology (5.5%)	4 005 504	000.40
Viatris Inc.	9,184,673	99,470	CDW Corp.	1,025,594	233,13
STERIS plc	378,207	83,149	HP Inc.	6,809,518	204,89
Royalty Pharma plc Class A	2,895,149	81,325	Corning Inc.	5,878,695	179,00
Teleflex Inc.	179,863	44,847	Hewlett Packard Enterprise Co.	9,821,575	166,77
Henry Schein Inc.	499.766	37,837	Cognizant Technology Solutions Corp. Class A	1,919,409	144,97
Bio-Rad Laboratories Inc. Class A	39,158	12,644	NetApp Inc.	1,598,504	140,92
DIO-NAU LADOTATORIES ITIC. CIASS A	39,130		* Western Digital Corp.	2,482,402	130,00
		2,189,654	SS&C Technologies Holdings Inc.	1,610,750	98,43
ustrials (19.4%)			Gen Digital Inc.	4,169,521	95,149
PACCAR Inc.	4,004,618	391,051	Seagate Technology Holdings plc	760,720	64,94
Carrier Global Corp.	6,423,612	369,037	Leidos Holdings Inc.	526,370	56,97
Ferguson plc	1,558,471	300,894	* Qorvo Inc.	372,583	41,95
United Rentals Inc.	518,930	297,565		-	1,557,168
Otis Worldwide Corp.	3,133,244	280,331	Utilities (12.2%)		1,557,100
Fidelity National Information Services Inc.	4,536,029	272,479	, ,	10 404 000	251 20
Cummins Inc.	1,085,188	259,979	PG&E Corp.	19,484,320	351,30
Global Payments Inc.	1,993,520	253,177	Xcel Energy Inc.	4,224,615	261,54
DuPont de Nemours Inc.	2,963,146	227,955	Consolidated Edison Inc.	2,640,691	240,22
Keysight Technologies Inc.	1,336,735	212,661	Public Service Enterprise Group Inc.	3,821,156	233,66
Fortive Corp.	2,690,558	198,106	Edison International	2,936,541	209,93
Westinghouse Air Brake Technologies Corp.	1,371,630	174,060	WEC Energy Group Inc.	2,414,931	203,26
Dover Corp.	1,070,993	164,729	American Water Works Co. Inc.	1,490,648	196,75
L3Harris Technologies Inc.	725,552	152,816	Eversource Energy	2,672,560	164,95
•	,		Entergy Corp.	1,618,876	163,81
Johnson Controls International plc	2,604,195	150,106	FirstEnergy Corp.	4,173,368	152,99
Expeditors International of Washington Inc.	1,113,128	141,590	PPL Corp.	5,643,077	152,92
Rockwell Automation Inc.	438,962	136,289	DTE Energy Co.	1,341,257	147,88
PPG Industries Inc.	902,635	134,989	Ameren Corp.	2,009,490	145,36
Jacobs Solutions Inc.	964,841	125,236	CenterPoint Energy Inc.	4,818,889	137,67
Synchrony Financial	3,168,038	120,987	CMS Energy Corp.	2,233,753	129,71
Textron Inc.	1,500,615	120,679	Constellation Energy Corp.	894,578	104,56
Ingersoll Rand Inc.	1,549,551	119,842	Alliant Energy Corp.	1,934,816	99,25
Snap-on Inc.	404,083	116,715	AES Corp.	5,126,590	98,68
Stanley Black & Decker Inc.	1,173,748	115,145	Evergy Inc.	1,757,698	91,75
Masco Corp.	1,718,706	115,119	NiSource Inc.	3,424,649	90,92
Packaging Corp. of America	686,170	111,784	Vistra Corp.	1,368,597	52,71
Zebra Technologies Corp. Class A	393,209	107,476	Avangrid Inc.	592,501	19,20
Ball Corp.	1,206,969	69,425	Avangna me.	332,301	
Hubbell Inc. Class B	205,266	67,518			3,449,12
TransUnion	741,441	50,944	Total Common Stocks		
Trimble Inc.	952,222	50,658	(Cost \$21,606,256)		28,269,15
Crown Holdings Inc.	461,760	42,524	Temporary Cash Investments (0.2%)		
CH Robinson Worldwide Inc.	424,118	36,640			
	=	5,488,506	Money Market Fund (0.2%)		
J Fototo (0.39/)		5,466,500	<sup>2,3</sup> Vanguard Market Liquidity Fund, 5.435%		
I Estate (9.2%) Digital Realty Trust Inc.	2 210 562	212 022	(Cost \$48,429)	484,544	48,44
9 ,	2,318,563	312,032	Total Investments (100.0%)		
VICI Properties Inc. Class A	7,920,290	252,499	(Cost \$21,654,685)		28,317,60
CBRE Group Inc. Class A	2,216,785	206,360	Other Assets and Liabilities – Net (0.0%)		14,03
AvalonBay Communities Inc.	1,087,255	203,556			-
Weyerhaeuser Co.	5,588,835	194,324	Net Assets (100%)		28,331,63
Simon Property Group Inc.	1,186,407	169,229	Cost is in \$000		
Equity Residential	2,761,778	168,910	Cost is in \$000.		
Alexandria Real Estate Equities Inc.	1,330,415	168,657	• See Note A in Notes to Financial Statements.		
Iron Mountain Inc.	2,235,427	156,435	* Non-income-producing security.		
Ventas Inc.	3,080,594	153,537	1 Includes partial security positions on loan to broker-dealers. The	total value of securit	ies on loan is
Essex Property Trust Inc.	491,387	121,834	\$43,657,000.		
Mid-America Apartment Communities Inc.	893,361	120,121	2 Affiliated money market fund available only to Vanguard funds a	and certain trusts and	accounts ma
WP Carey Inc.	1,674,150	108,502	by Vanguard. Rate shown is the 7-day yield.		
UDR Inc.	2,518,294	96,425	3 Collateral of \$48,225,000 was received for securities on loan.		
Host Hotels & Resorts Inc.	2,700,134	52,572			

### Derivative Financial Instruments Outstanding as of Period End

### Futures Contracts

				(\$000)
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
E-mini S&P 500 Index	March 2024	26	6,266	(17)
E-mini S&P Mid-Cap 400 Index	March 2024	48	13,486	(128)
				(145)

### Over-the-Counter Total Return Swaps

				Floating Interest Rate	Value and	Value and
	Termination		Notional Amount	Received (Paid) <sup>1</sup>	Unrealized	Unrealized
Deference Entity		Cauntarnartu			Appreciation	(Depreciation)
Reference Entity	Date	Counterparty	(\$000)	(%)	(\$000)	(\$000)
Constellation Energy Corp.	1/31/24	CITNA	25,176	(5.332)	_	(909)
Constellation Energy Corp.	8/30/24	BANA	14,525	(5.332)	_	(524)
Warner Bros Discovery Inc.	1/31/24	CITNA	16,093	(5.332)	1,365	
					1,365	(1,433)

<sup>1</sup> Based on USD Overnight Bank Funding Rate as of the most recent reset date. Floating interest payment received/paid monthly. BANA—Bank of America, N.A. CITNA—Citibank, N.A.

At December 31, 2023, the counterparties had deposited in segregated accounts cash of \$820,000 in connection with open over-the-counter swap contracts.

# Statement of Assets and Liabilities

As of December 31, 2023

(\$000s, except shares, footnotes, and per-share amounts)	Amount
Assets	
Investments in Securities, at Value <sup>1</sup>	
Unaffiliated Issuers (Cost \$21,606,256)	28,269,155
Affiliated Issuers (Cost \$48,429)	48,445
Total Investments in Securities	28,317,600
Investment in Vanguard	892
Cash Collateral Pledged—Futures Contracts	1,390
Cash Collateral Pledged—Over-the-Counter Swap Contracts	270
Receivables for Investment Securities Sold	12,908
Receivables for Accrued Income	74,353
Receivables for Capital Shares Issued	9,309
Unrealized Appreciation—Over-the-Counter Swap Contracts	1,365
Total Assets	28,418,087
Liabilities	
Due to Custodian	4,322
Payables for Investment Securities Purchased	211
Collateral for Securities on Loan	48,225
Payables for Capital Shares Redeemed	31,213
Payables to Vanguard	872
Variation Margin Payable—Futures Contracts	177
Unrealized Depreciation—Over-the-Counter Swap Contracts	1,433
Total Liabilities	86,453
Net Assets	28,331,634
1 Includes \$43,657,000 of securities on loan.	
At December 31, 2023, net assets consisted of:  Paid-in Capital	26,772,587
Total Distributable Earnings (Loss)	1,559,047
Net Assets	28,331,634
iver Assets	20,331,034
Investor Shares – Net Assets	
Applicable to 689,038 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	39,321
Net Asset Value Per Share – Investor Shares	\$57.07
ETF Shares – Net Assets	
Applicable to 112,610,775 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	16,320,349
שפווסווסומו ווונפופטנ (עווווווווונפע מענווטווצמנוטוו)	10,320,348

Applicable to 159,460,910 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)

Net Asset Value Per Share—ETF Shares

 ${\sf Net\,Asset\,Value\,Per\,Share-Admiral\,Shares}$ 

Admiral Shares—Net Assets

11,971,964

\$75.08

\$144.93

# Statement of Operations

Year Ended December 31, 2023 (\$000)

	(\$000)
Investment Income	
Income	
Dividends	666,368
Interest <sup>1</sup>	1,354
Securities Lending—Net	6,750
Total Income	674,472
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	602
Management and Administrative—Investor Shares	72
Management and Administrative—ETF Shares	8,914
Management and Administrative—Admiral Shares	6,936
Marketing and Distribution—Investor Shares	2
Marketing and Distribution—ETF Shares	842
Marketing and Distribution—Admiral Shares	629
Custodian Fees	348
Auditing Fees	35
Shareholders' Reports—Investor Shares	_
Shareholders' Reports—ETF Shares	751
Shareholders' Reports—Admiral Shares	162
Trustees' Fees and Expenses	16
Other Expenses	23
Total Expenses	19,332
Expenses Paid Indirectly	(18)
Net Expenses	19,314
Net Investment Income	655,158
Realized Net Gain (Loss)	
Investment Securities Sold <sup>1,2</sup>	579,354
Futures Contracts	4,634
Swap Contracts	3,729
Realized Net Gain (Loss)	587,717
Change in Unrealized Appreciation (Depreciation)	
Investment Securities <sup>1</sup>	1,330,296
Futures Contracts	245
Swap Contracts	1,375
Change in Unrealized Appreciation (Depreciation)	1,331,916
Net Increase (Decrease) in Net Assets Resulting from Operations	2,574,791

<sup>1</sup> Interest income, realized net gain (loss), capital gain distributions received, and change in unrealized appreciation (depreciation) from an affiliated company of the fund were \$1,263,000, \$25,000, less than \$1,000, and (\$5,000), respectively. Purchases and sales are for temporary cash investment purposes.

 $<sup>2\,</sup>$  Includes \$1,739,804,000 of net gain (loss) resulting from in-kind redemptions.

# Statement of Changes in Net Assets

	Year Ended December 31,		
	2023 (\$000)	2022 (\$000)	
Increase (Decrease) in Net Assets			
Operations			
Net Investment Income	655,158	625,353	
Realized Net Gain (Loss)	587,717	1,031,827	
Change in Unrealized Appreciation (Depreciation)	1,331,916	(4,126,567)	
Net Increase (Decrease) in Net Assets Resulting from Operations	2,574,791	(2,469,387)	
Distributions			
Investor Shares	(921)	(970)	
ETF Shares	(379,681)	(356,532)	
Admiral Shares	(277,948)	(267,459)	
Total Distributions	(658,550)	(624,961)	
Capital Share Transactions			
Investor Shares	(7,800)	(7,678)	
ETF Shares	(785,146)	1,666,234	
Admiral Shares	(570,787)	(147,140)	
Net Increase (Decrease) from Capital Share Transactions	(1,363,733)	1,511,416	
Total Increase (Decrease)	552,508	(1,582,932)	
Net Assets			
Beginning of Period	27,779,126	29,362,058	
End of Period	28,331,634	27,779,126	

### **Investor Shares**

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$53.27	\$59.16	\$46.83	\$46.96	\$37.50
Investment Operations					
Net Investment Income <sup>1</sup>	1.202	1.129	1.006	1.048 <sup>2</sup>	.808
Net Realized and Unrealized Gain (Loss) on Investments	3.830	(5.876)	12.311	(.122)	9.566
Total from Investment Operations	5.032	(4.747)	13.317	.926	10.374
Distributions					
Dividends from Net Investment Income	(1.232)	(1.143)	(.987)	(1.056)	(.914
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(1.232)	(1.143)	(.987)	(1.056)	(.914
Net Asset Value, End of Period	\$57.07	\$53.27	\$59.16	\$46.83	\$46.96
Total Return <sup>3</sup>	9.62%	-8.00%	28.59%	2.43%	27.82%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$39	\$45	\$57	\$43	\$52
Ratio of Total Expenses to Average Net Assets	0.19%4	0.19%4	0.19%	0.19%	0.19%
Ratio of Net Investment Income to Average Net Assets	2.24%	2.05%	1.83%	2.58% <sup>2</sup>	1.90%
Portfolio Turnover Rate <sup>5</sup>	22%	18%	17%	39%	17%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Net investment income per share and the ratio of net investment income to average net assets include \$.142 and 0.35%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

<sup>3</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

<sup>4</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.19%.

<sup>5</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

### **ETF Shares**

For a Share Outstanding			Ye	ear Ended De	cember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$135.28	\$150.26	\$118.93	\$119.27	\$95.22
Investment Operations					
Net Investment Income <sup>1</sup>	3.249	3.091	2.744	2.781 <sup>2</sup>	2.497
Net Realized and Unrealized Gain (Loss) on Investments	9.695	(14.996)	31.258	(.310)	23.996
Total from Investment Operations	12.944	(11.905)	34.002	2.471	26.493
Distributions					
Dividends from Net Investment Income	(3.294)	(3.075)	(2.672)	(2.811)	(2.443)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(3.294)	(3.075)	(2.672)	(2.811)	(2.443)
Net Asset Value, End of Period	\$144.93	\$135.28	\$150.26	\$118.93	\$119.27
Total Return	9.77%	-7.88%	28.74%	2.50%	27.98%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$16,320	\$15,995	\$16,086	\$11,061	\$10,339
Ratio of Total Expenses to Average Net Assets	0.07%3	0.07%3	0.07%	0.07%	0.07%
Ratio of Net Investment Income to Average Net Assets	2.38%	2.22%	1.96%	2.69% <sup>2</sup>	2.26%
Portfolio Turnover Rate <sup>4</sup>	22%	18%	17%	39%	17%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Net investment income per share and the ratio of net investment income to average net assets include \$.362 and 0.35%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

<sup>3</sup> The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07%.

<sup>4</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

### **Admiral Shares**

For a Share Outstanding			Year	Ended Dec	ember 31,
Throughout Each Period	2023	2022	2021	2020	2019
Net Asset Value, Beginning of Period	\$70.08	\$77.84	\$61.61	\$61.79	\$49.33
Investment Operations					
Net Investment Income <sup>1</sup>	1.677	1.586	1.413	1.438 <sup>2</sup>	1.303
Net Realized and Unrealized Gain (Loss) on Investments	5.030	(7.753)	16.201	(.162)	12.422
Total from Investment Operations	6.707	(6.167)	17.614	1.276	13.725
Distributions					
Dividends from Net Investment Income	(1.707)	(1.593)	(1.384)	(1.456)	(1.265)
Distributions from Realized Capital Gains	_	_	_	_	_
Total Distributions	(1.707)	(1.593)	(1.384)	(1.456)	(1.265)
Net Asset Value, End of Period	\$75.08	\$70.08	\$77.84	\$61.61	\$61.79
Total Return <sup>3</sup>	9.76%	-7.90%	28.76%	2.54%	27.99%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$11,972	\$11,740	\$13,218	\$10,092	\$11,148
Ratio of Total Expenses to Average Net Assets	0.07%4	0.07%4	0.07%	0.07%	0.07%
Ratio of Net Investment Income to Average Net Assets	2.37%	2.19%	1.95%	2.69% <sup>2</sup>	2.28%
Portfolio Turnover Rate <sup>5</sup>	22%	18%	17%	39%	17%

<sup>1</sup> Calculated based on average shares outstanding.

<sup>2</sup> Net investment income per share and the ratio of net investment income to average net assets include \$.187 and 0.35%, respectively, resulting from a special dividend from NortonLifeLock Inc. in February 2020.

<sup>3</sup> Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

 $<sup>4\ \ \</sup>text{The ratio of expenses to average net assets for the period net of reduction from custody fee offset arrangements was 0.07\%.}$ 

<sup>5</sup> Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

### Notes to Financial Statements

Vanguard Mid-Cap Value Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers three classes of shares: Investor Shares, ETF Shares, and Admiral Shares. Each of the share classes has different eligibility and minimum purchase requirements, and is designed for different types of investors. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker.

**A.** The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.

- 1. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the valuation designee to represent fair value and subject to oversight by the board of trustees. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value.
- 2. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any securities pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Statement of Assets and Liabilities. Fluctuations in the value of the contracts are recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized gains (losses) on futures contracts.

During the year ended December 31, 2023, the fund's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of the notional amounts at each quarter-end during the period.

3. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks or indexes in the fund's target index. Under the terms of the swaps, the fund receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock at the beginning of the equity swap contract. The fund also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the fund generally invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the fund. The fund's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The fund mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the fund cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund

under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund's net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

The notional amounts of swap contracts are not recorded in the Statement of Assets and Liabilities. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Assets and Liabilities as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until periodic payments are made or the termination of the swap, at which time realized gain (loss) is recorded.

During the year ended December 31, 2023, the fund's average amounts of investments in total return swaps represented less than 1% of net assets, based on the average of notional amounts at each quarter-end during the period.

- 4. Federal Income Taxes: The fund intends to continue to qualify as a regulated investment company and distribute virtually all of its taxable income. The fund's tax returns are open to examination by the relevant tax authorities until expiration of the applicable statute of limitations, which is generally three years after the filing of the tax return. Management has analyzed the fund's tax positions taken for all open federal and state income tax years, and has concluded that no provision for income tax is required in the fund's financial statements.
- 5. Distributions: Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined on a tax basis at the fiscal year-end and may differ from net investment income and realized capital gains for financial reporting purposes.
- 6. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled before the opening of the market on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Assets and Liabilities for the return of the collateral, during the period the securities are on Ioan. Collateral investments in Vanguard Market Liquidity Fund are subject to market appreciation or depreciation. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.
- 7. Credit Facilities and Interfund Lending Program: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$4.3 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement and an uncommitted credit facility provided by Vanguard. Both facilities may be renewed annually. Each fund is individually liable for its borrowings, if any, under the credit facilities. Borrowings may be utilized for temporary or emergency purposes and are subject to the fund's regulatory and contractual borrowing restrictions. With respect to the committed credit facility, the participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn committed amount of the facility, which are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under either facility bear interest at an agreed-upon spread plus the higher of the federal funds effective rate, the overnight bank funding rate, or the Daily Simple Secured Overnight Financing Rate inclusive of an additional agreed-upon spread. However, borrowings under the uncommitted credit facility may bear interest based upon an alternate rate agreed to by the fund and Vanguard.

In accordance with an exemptive order (the "Order") from the SEC, the fund may participate in a joint lending and borrowing program that allows registered open-end Vanguard funds to borrow money from and lend money to each other for temporary or emergency purposes (the "Interfund Lending Program"), subject to compliance with the terms and conditions of the Order, and to the extent permitted by the fund's investment objective and investment policies. Interfund loans and borrowings normally extend overnight but can have a maximum duration of seven days. Loans may be called on one business day's notice. The interest rate to be charged is governed by the conditions of the Order and internal procedures adopted by the board of trustees. The board of trustees is responsible for overseeing the Interfund Lending Program.

For the year ended December 31, 2023, the fund did not utilize the credit facilities or the Interfund Lending Program.

8. Other: Dividend income is recorded on the ex-dividend date. Non-cash dividends included in income, if any, are recorded at the fair value of the securities received. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Each class of shares has equal rights as to assets and earnings, except that each class separately bears certain class-specific expenses related to maintenance of shareholder accounts (included in Management and Administrative expenses) and shareholder reporting. Marketing and distribution expenses are allocated to each class of shares based on a method approved by the board of trustees. Income, other non-class-specific expenses, and gains and losses on investments are allocated to each class of shares based on its relative net assets.

**B.** In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees and are generally settled twice a month.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At December 31, 2023, the fund had contributed to Vanguard capital in the amount of \$892,000, representing less than 0.01% of the fund's net assets and 0.36% of Vanguard's capital received pursuant to the FSA. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

- C. The fund's custodian bank has agreed to reduce its fees when the fund maintains cash on deposit in the non-interest-bearing custody account. For the year ended December 31, 2023, custodian fee offset arrangements reduced the fund's expenses by \$18,000 (an annual rate of less than 0.01% of average net assets).
- **D.** Various inputs may be used to determine the value of the fund's investments and derivatives. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.
- Level 1—Quoted prices in active markets for identical securities.
- **Level 2**—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).
- **Level 3**—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments and derivatives valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments and derivatives as of December 31, 2023, based on the inputs used to value them:

	Level 1	Level 2	Level 3	Total
	(\$000)	(\$000)	(\$000)	(\$000)
Investments				
Assets				
Common Stocks	28,269,155	_	_	28,269,155
Temporary Cash Investments	48,445	_	_	48,445
Total	28,317,600	_	_	28,317,600
Derivative Financial Instruments				
Assets				
Swap Contracts	_	1,365	_	1,365
Liabilities				
Futures Contracts <sup>1</sup>	145	_	_	145
Swap Contracts	_	1,433	_	1,433
Total	145	1,433	_	1,578

<sup>1</sup> Includes cumulative appreciation (depreciation) on futures contracts and centrally cleared swaps, if any, as reported in the Schedule of Investments. Only current day's variation margin is reported within the Statement of Assets and Liabilities.

E. Permanent differences between book-basis and tax-basis components of net assets are reclassified among capital accounts in the financial statements to reflect their tax character. These reclassifications have no effect on net assets or net asset value per share. As of period end, permanent differences primarily attributable to the accounting for applicable in-kind redemptions, passive foreign investment companies, and swap agreements were reclassified between the following accounts:

	Amount (\$000)
Paid-in Capital	1,739,093
Total Distributable Earnings (Loss)	(1,739,093)

Temporary differences between book-basis and tax-basis components of total distributable earnings (loss) arise when certain items of income, gain, or loss are recognized in different periods for financial statement and tax purposes; these differences will reverse at some time in the future. The differences are primarily related to capital loss carryforwards; the deferral of losses from wash sales; the recognition of unrealized gains or losses from certain derivative contracts; and the recognition of unrealized gains from passive foreign investment companies. As of period end, the tax-basis components of total distributable earnings (loss) are detailed in the table as follows:

	Amount (\$000)
Undistributed Ordinary Income	6,194
Undistributed Long-Term Gains	_
Net Unrealized Gains (Losses)	6,642,233
Capital Loss Carryforwards	(5,089,380)
Qualified Late-Year Losses	
Other Temporary Differences	_
Total	1,559,047

The tax character of distributions paid was as follows:

	Year Ended D	Year Ended December 31,	
		2022 Amount (\$000)	
Ordinary Income*	658,550	624,961	
Long-Term Capital Gains	_	_	
Total	658,550	624,961	

<sup>\*</sup> Includes short-term capital gains, if any.

As of December 31, 2023, gross unrealized appreciation and depreciation for investments and derivatives based on cost for U.S. federal income tax purposes were as follows:

	Amount (\$000)
Tax Cost	21,675,367
Gross Unrealized Appreciation	7,258,712
Gross Unrealized Depreciation	(616,479)
Net Unrealized Appreciation (Depreciation)	6,642,233

F. During the year ended December 31, 2023, the fund purchased \$9,677,685,000 of investment securities and sold \$10,976,913,000 of investment securities, other than temporary cash investments. Purchases and sales include \$3,660,931,000 and \$4,522,736,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

The fund purchased securities from and sold securities to other Vanguard funds or accounts managed by Vanguard or its affiliates, in accordance with procedures adopted by the board of trustees in compliance with Rule 17a-7 of the Investment Company Act of 1940. For the year ended December 31, 2023, such purchases were \$880,257,000 and sales were \$1,457,156,000, resulting in net realized loss of \$526,060,000; these amounts, other than temporary cash investments, are included in the purchases and sales of investment securities noted above.

G. Capital share transactions for each class of shares were:

			Year Ended De	cember 31,
		2023		2022
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)
Investor Shares				
Issued	4,382	82	9,543	172
Issued in Lieu of Cash Distributions	921	17	970	18
Redeemed	(13,103)	(245)	(18,191)	(326)
Net Increase (Decrease)—Investor Shares	(7,800)	(146)	(7,678)	(136)
ETF Shares				
Issued	3,747,400	27,552	6,026,513	43,603
Issued in Lieu of Cash Distributions	_	_	_	_
Redeemed	(4,532,546)	(33,175)	(4,360,279)	(32,425)
Net Increase (Decrease)—ETF Shares	(785,146)	(5,623)	1,666,234	11,178
Admiral Shares				
Issued	1,601,367	22,657	2,265,008	31,170
Issued in Lieu of Cash Distributions	246,708	3,514	237,416	3,400
Redeemed	(2,418,862)	(34,228)	(2,649,564)	(36,866)
Net Increase (Decrease)—Admiral Shares	(570,787)	(8,057)	(147,140)	(2,296)

H. Significant market disruptions, such as those caused by pandemics (e.g., COVID-19 pandemic), natural or environmental disasters, war (e.g., Russia's invasion of Ukraine), acts of terrorism, or other events, can adversely affect local and global markets and normal market operations. Any such disruptions could have an adverse impact on the value of the fund's investments and fund performance.

To the extent the fund's investment portfolio reflects concentration in a particular market, industry, sector, country or asset class, the fund may be adversely affected by the performance of these concentrations and may be subject to increased price volatility and other risks.

The use of derivatives may expose the fund to various risks. Derivatives can be highly volatile, and any initial investment is generally small relative to the notional amount so that transactions may be leveraged in terms of market exposure. A relatively small market movement may have a potentially larger impact on derivatives than on standard securities. Leveraged derivatives positions can, therefore, increase volatility. Additional information regarding the fund's use of derivative(s) and the specific risks associated is described under significant accounting policies.

I. Management has determined that no events or transactions occurred subsequent to December 31, 2023, that would require recognition or disclosure in these financial statements.

# Report of Independent Registered Public Accounting Firm

To the Board of Trustees of Vanguard Index Funds and Shareholders of Vanguard Extended Market Index Fund, Vanguard Mid-Cap Index Fund, Vanguard Mid-Cap Growth Index Fund and Vanguard Mid-Cap Value Index Fund

### **Opinions on the Financial Statements**

We have audited the accompanying statements of assets and liabilities, including the schedules of investments, of Vanguard Extended Market Index Fund, Vanguard Mid-Cap Index Fund, Vanguard Mid-Cap Growth Index Fund and Vanguard Mid-Cap Value Index Fund (four of the funds constituting Vanguard Index Funds, hereafter collectively referred to as the "Funds") as of December 31, 2023, the related statements of operations for the year ended December 31, 2023, the statements of changes in net assets for each of the two years in the period ended December 31, 2023, including the related notes, and the financial highlights for each of the five years in the period ended December 31, 2023 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of each of the Funds as of December 31, 2023, the results of each of their operations for the year then ended, the changes in each of their net assets for each of the two years in the period ended December 31, 2023 and each of the financial highlights for each of the five years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America.

### **Basis for Opinions**

These financial statements are the responsibility of the Funds' management. Our responsibility is to express an opinion on the Funds' 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 Funds 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, 2023 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 opinions.

/s/PricewaterhouseCoopers LLP Philadelphia, Pennsylvania February 15, 2024

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

### Tax information (unaudited)

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

Fund	Percentage
Extended Market Index Fund	62.4%
Mid-Cap Index Fund	77.1
Mid-Cap Growth Index Fund	82.0
Mid-Cap Value Index Fund	80.8

The following amounts, or if subsequently determined to be different, the maximum amounts allowable by law, are hereby designated as qualified dividend income for individual shareholders for the fiscal year.

Fund	(\$000)
Extended Market Index Fund	838,526
Mid-Cap Index Fund	1,992,764
Mid-Cap Growth Index Fund	139,980
Mid-Cap Value Index Fund	563,390

The following amounts, or if subsequently determined to be different, the maximum amounts allowable by law, are hereby designated as interest earned from obligations of the U.S. government which is generally exempt from state income tax.

Fund	(\$000)
Extended Market Index Fund	12,975
Mid-Cap Index Fund	13,468
Mid-Cap Growth Index Fund	427
Mid-Cap Value Index Fund	499

The following amounts, or if subsequently determined to be different, the maximum amounts allowable by law, are hereby designated as qualified business income for individual shareholders for the fiscal year.

Fund	(\$000)
Extended Market Index Fund	214,308
Mid-Cap Index Fund	339,831
Mid-Cap Growth Index Fund	22,806
Mid-Cap Value Index Fund	93,843

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## The People Who Govern Your Fund

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 208 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.

### Interested Trustee<sup>1</sup>

### Mortimer J. Buckley

Born in 1969. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chairman of the board (2019-present) of Vanguard and of each of the investment companies served by Vanquard; chief executive officer (2018-present) of Vanguard; chief executive officer, president, and trustee (2018-present) of each of the investment companies served by Vanguard; president and director (2017-present) of Vanguard; and president (2018-present) of Vanguard Marketing Corporation, Chief investment officer (2013-2017). managing director (2002-2017), head of the Retail Investor Group (2006–2012), and chief information officer (2001–2006) of Vanguard. Member of the board of governors of the Investment Company Institute and the board of governors of FINRA.

### Independent Trustees

### Tara Bunch

Born in 1962. Trustee since November 2021. Principal occupation(s) during the past five years and other experience: head of global operations at Airbnb (2020–present). Vice president of AppleCare (2012–2020). Member of the board of directors of Out & Equal, the advisory board of the University of California, Berkeley School of Engineering, and the advisory board of Santa Clara University's Leavey School of Business.

### Emerson U. Fullwood

Born in 1948. Trustee since January 2008. Principal occupation(s) during the past five years and other experience: executive chief staff and marketing officer for North America and corporate vice president (retired 2008) of Xerox Corporation (document management products and services). Former president of the Worldwide Channels Group, Latin America, and Worldwide Customer Service and executive chief staff officer of Developing Markets of Xerox. Executive in residence and 2009-2010 Distinguished Minett Professor at the Rochester Institute of Technology. Member of the board of directors of the University of Rochester Medical Center, the Monroe Community College Foundation, the United Way of Rochester, North Carolina A&T University, Roberts Wesleyan College, and the Rochester Philharmonic Orchestra. Trustee of the University of Rochester.

### F. Joseph Loughrey

Born in 1949. Trustee since October 2009. Principal occupation(s) during the past five years and other experience: president and chief operating officer (retired 2009) and vice chairman of the board (2008–2009) of Cummins Inc. (industrial machinery). Director of the V Foundation. Member of the advisory council for the College of Arts and Letters at the University of Notre Dame. Chairman of the board of Saint Anselm College.

### Mark Loughridge

Born in 1953. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: senior vice president and chief financial officer (retired 2013) of IBM (information technology services). Fiduciary member of IBM's Retirement Plan Committee (2004–2013), senior vice president and general manager (2002–2004) of IBM Global Financing, vice president and controller (1998–2002) of IBM, and a variety of other prior management roles at IBM. Member of the Council on Chicago Booth.

### Scott C. Malpass

Born in 1962. Trustee since March 2012. Principal occupation(s) during the past five years and other experience: co-founder and managing partner (2022–present) of Grafton Street Partners (investment advisory firm). Chief investment officer (retired 2020) and vice president (retired 2020) of the University of Notre Dame. Chair of the board of Catholic Investment Services, Inc. (investment advisors). Member of the board of superintendence of the Institute for the Works of Religion, the Notre Dame 403(b) Investment Committee, and the board of directors of Paxos Trust Company (finance).

### Deanna Mulligan

Born in 1963. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: chief executive officer of Purposeful (advisory firm for CEOs and C-level executives; 2021–present). Board chair (2020), chief executive officer (2011–2020), and president (2010–2019) of The Guardian Life Insurance Company of America. Chief operating officer (2010–2011) and executive vice president (2008–2010) of Individual Life and Disability of the Guardian Life Insurance Company of America. Director of DuPont. Member of the board of the Economic Club of New York. Trustee of the Partnership for New York City (business leadership), Chief Executives for Corporate Purpose, and the NewYork-Presbyterian Hospital.

### André F. Perold

Born in 1952. Trustee since December 2004. Principal occupation(s) during the past five years and other experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011). Chief investment officer and partner of HighVista Strategies (private investment firm). Member of the board of RIT Capital Partners (investment firm).

### Sarah Bloom Raskin

Born in 1961. Trustee since January 2018. Principal occupation(s) during the past five years and other experience: deputy secretary (2014–2017) of the United States Department of the Treasury. Governor (2010–2014) of the Federal Reserve Board. Commissioner (2007–2010) of financial regulation for the State of Maryland. Colin W. Brown Distinguished Professor of the Practice of Law, Duke Law School (2021–present); Rubenstein Fellow, Duke University (2017–2020); Distinguished Fellow of the Global Financial Markets Center, Duke Law School (2020–2022); and Senior Fellow, Duke Center on Risk (2020–present). Partner of Kaya Partners (climate policy advisory services). Member of the board of directors of Arcadia (energy solution technology).

### **Grant Reid**

Born in 1959. Trustee since July 2023. Principal occupation(s) during the past five years and other experience: chief executive officer and president (2014–2022) and member of the board of directors (2015–2022) of Mars, Incorporated (multinational manufacturer). Member of the board of directors of Marriott International, Inc. Chair of Agribusiness Task Force, Sustainable Markets Initiative.

### **David Thomas**

Born in 1956. Trustee since July 2021. Principal occupation(s) during the past five years and other experience: president of Morehouse College (2018–present). Professor of business administration, emeritus at Harvard University (2017–2018). Dean (2011–2016) and professor of management (2016–2017) at the Georgetown University McDonough School of Business. Director of DTE Energy Company. Trustee of Common Fund.

### 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 (2000–2010) 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 Vanguard and of each of the investment companies served by Vanguard. Chief compliance officer (2018–2022) and deputy chief compliance officer (2017–2019) of State Street.

### Christine M. Buchanan

Born in 1970. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Chief financial officer (2021–present) and treasurer (2017–2022) of each of the investment companies served by Vanguard. Partner (2005–2017) at KPMG (audit, tax, and advisory services).

#### John Galloway

Born in 1973. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Investment stewardship officer (September

2020–present) of each of the investment companies served by Vanguard. Head of Investor Advocacy (February 2020–present) and head of Marketing Strategy and Planning (2017–2020) at Vanguard. Special assistant to the President of the United States (2015).

### Ashley Grim

Born in 1984. Principal occupation(s) during the past five years and other experience: treasurer (February 2022–present) of each of the investment companies served by Vanguard. Fund transfer agent controller (2019–2022) and director of Audit Services (2017–2019) at Vanguard. Senior manager (2015–2017) at PriceWaterhouseCoopers (audit and assurance, consulting, and tax services).

### Jodi Miller

Born in 1980. Principal occupation(s) during the past five years and other experience: principal of Vanguard. Finance director (2022–present) of each of the investment companies served by Vanguard. Head of Enterprise Investment Services (2020–present), head of Retail Client Services and Operations (2020–2022), and head of Retail Strategic Support (2018–2020) at Vanguard.

### Anne E. Robinson

Born in 1970. Principal occupation(s) during the past five years and other experience: general counsel (2016–present) of Vanguard. Secretary (2016–present)

of Vanguard and of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Managing director and general counsel of Global Cards and Consumer Services (2014–2016) at Citigroup. Counsel (2003–2014) at American Express. Nonexecutive director (2022–present) of the board of National Grid (energy).

### Michael Rollings

Born in 1963. Principal occupation(s) during the past five years and other experience: finance director (2017–present) and treasurer (2017) of each of the investment companies served by Vanguard. Managing director (2016–present) of Vanguard. Chief financial officer (2016–present) of Vanguard. Director (2016–present) of Vanguard Marketing Corporation. Executive vice president and chief financial officer (2006–2016) of MassMutual Financial Group.

### Vanguard Senior Management Team

Matthew Benchener Joseph Brennan Mortimer J. Buckley Gregory Davis John James Chris D. McIsaac Thomas M. Rampulla Karin A. Risi Anne E. Robinson Michael Rollings Nitin Tandon Lauren Valente

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