# **HARBOR MID CAP VALUE FUND**

### LSV Asset Management

Subadvisor Since 09/30/2004

Total Net Assets - All Classes \$286,187,938 **Equity Assets:** 98.65% Cash & Other Assets Less Liabilities: 1.35%

**Benchmark Name:** Russell Midcap® Value Index

# **Portfolio Managers**











# **Investment Philosophy**

The Fund invests primarily in equity securities, common stocks, of mid cap companies that the portfolio manager believes are undervalued in the marketplace at the time of purchase. The portfolio manager's investment strategy uses a quantitative model to evaluate and recommend companies based on the following indicators: fundamental undervaluation, such as low price-to-cash flow ratio or low price-to-earnings ratio, past negative market sentiment, recent momentum, such as high recent stock price performance and control of incremental risk relative to the benchmark index.

### **CHARACTERISTICS & ALLOCATION**

As of 12/31/2023

| Portfolio Chara                | acteristics |           | Economic Sectors       |             |             |  |  |
|--------------------------------|-------------|-----------|------------------------|-------------|-------------|--|--|
|                                | Portfolio   | Benchmark |                        | Portfolio % | Benchmark % |  |  |
| Number of Holdings             | 147         | 703       | Financials             | 21.32       | 17.59       |  |  |
| Wtd Avg Market Cap (\$Mil)     | 14,770.50   | 23,017.40 | Industrials            | 17.11       | 19.16       |  |  |
| Median Market Cap (\$Mil)      | 6,877.00    | 10,093.00 | Consumer Discretionary | 14.36       | 9.42        |  |  |
| Price/Book Ratio               | 1.94        | 2.50      | Information Technology | 9.87        | 9.51        |  |  |
| Adjusted Trailing P/E Ratio    | 11.30       | 21.70     | Health Care            | 7.62        | 6.82        |  |  |
| % EPS Growth - Past 3 Yr       | 29.00       | 18.60     | Consumer Staples       | 7.14        | 3.74        |  |  |
| Est 3-5 Yr EPS Growth Rate (%) | 7.50        | 9.50      | Materials              | 5.52        | 7.62        |  |  |
| Return on Equity (%)           | 19.00       | 12.36     | Real Estate            | 5.11        | 10.58       |  |  |
| Beta vs. Fund Benchmark        | 1.02        |           | Energy                 | 4.95        | 5.26        |  |  |
| Forecasted P/E Ratio           | 10.20       | 18.30     | Utilities              | 3.70        | 7.16        |  |  |
|                                |             |           | Communication Services | 1.95        | 3.22        |  |  |

| Top 10 Holdings         |                  |         |  |  |  |  |
|-------------------------|------------------|---------|--|--|--|--|
|                         | Portfolio % Bend | hmark % |  |  |  |  |
| PulteGroup Inc.         | 1.75             | 0.29    |  |  |  |  |
| Jabil Inc.              | 1.72             | 0.08    |  |  |  |  |
| Hartford Financial Serv | 1.66             | 0.32    |  |  |  |  |
| HP Inc.                 | 1.56             | 0.28    |  |  |  |  |
| Snap-on Incorporated    | 1.53             | 0.20    |  |  |  |  |
| Owens Corning           | 1.52             | 0.17    |  |  |  |  |
| Cardinal Health Inc.    | 1.47             | 0.16    |  |  |  |  |
| Cummins Inc.            | 1.47             | 0.45    |  |  |  |  |
| Kroger Co.              | 1.41             | 0.40    |  |  |  |  |
| AGCO Corporation        | 1.39             | 0.10    |  |  |  |  |
| Total                   | 15.48            | 2.45    |  |  |  |  |

| Top 10 Ir                              | ndustries   |             |
|--|-------------|-------------|
|  | Portfolio % | Benchmark % |
| Machinery                              | 8.56        | 6.24        |
| Insurance                              | 7.07        | 6.11        |
| Oil Gas & Consumables                  | 4.95        | 4.22        |
| Household Durables                     | 4.80        | 2.58        |
| Electronic Equipment                   | 4.73        | 2.30        |
| Banks                                  | 3.95        | 3.33        |
| Health Care Providers                  | 3.91        | 1.42        |
| Consumer Finance                       | 3.48        | 0.97        |
| Specialty Retail                       | 3.36        | 1.30        |
| Consumer Staples Distribution & Retail | 3.33        | 1.60        |
| Total                                  | 48.14       | 30.07       |

|       | Market Capitaliza | tion        |
|-------|-------------------|-------------|
|       |                   | Portfolio % |
| Large | Above 25.0B       | 16.85       |
|       | 10.0B - 25.0B     | 32.65       |
| Mid   | 5.0B - 10.0B      | 24.92       |
|       | 1.0B - 5.0B       | 21.48       |
| Small | 0.0 - 1.0B        | 2.68        |



### **PERFORMANCE**

As of 12/31/2023

### **Average Annual Returns**

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|---|
| R |

| Share Class                 | Ticker | CUSIP     | 3 Months | YTD    | 1 Yr.  | 3 Yr.  | 5 Yr.  | 10 Yr. | Since<br>Inception | Inception Date | Net Expense<br>Ratio % | Gross<br>Expense<br>Ratio % |
|-----------------------------|--------|-----------|----------|--------|--------|--------|--------|--------|--------------------|----------------|------------------------|-----------------------------|
| Institutional               | HAMVX  | 411511835 | 11.93%   | 16.33% | 16.33% | 12.61% | 11.05% | 7.15%  | 7.76%              | 03/01/02       | 0.85                   | 0.89                        |
| Investor                    | HIMVX  | 411511736 | 11.78%   | 15.87% | 15.87% | 12.20% | 10.63% | 6.75%  | 8.59%              | 11/01/02       | 1.21                   | 1.25                        |
| Retirement                  | HNMVX  | 411512460 | 11.92%   | 16.42% | 16.42% | 12.69% | 11.14% | 7.21%  | 7.79%              | 03/01/16       | 0.77                   | 0.81                        |
| Russell Midcap® Value Index |        |           | 12.11%   | 12.71% | 12.71% | 8.36%  | 11.16% | 8.26%  | 9.42%              | 03/01/02       |                        |                             |

### MANAGER COMMENTARY

As of 12/31/2023

"Mid- and small-cap value stocks look very appealing from a valuation standpoint, and we continue to be able to find stocks generating strong cash flow and earnings yet trading at attractive multiples."

LSV Asset Management

### **Market in Review**

Finishing off a strong year for investors, U.S. equities posted significant gains in the fourth quarter of 2023. Gains were primarily driven by the expectation that the Federal Reserve ("Fed") will begin cutting rates in 2024, earlier than expected given recent positive economic data. The S&P 500 Index was up 11.7% for the quarter, its best quarterly return over the past three years. For the year, the S&P 500 advanced 26.3%, led by the Magnificent Seven (Apple, Amazon.com, Alphabet, Meta, Microsoft, Nvidia, and Tesla), which were up over 100% on average and accounted for more than 60% of the S&P 500 return. Small-cap stocks participated in the fourth quarter rally, as the Russell 2000® Index returned 14.03%, while the Russell 1000® Index was up 11.96%. Value stocks (as measured by the Russell indexes) lagged growth in the large- and mid-cap segments of the market, while small-cap value stocks outperformed during the quarter. The Russell Midcap® Value Index was up 12.11%, while the Russell Midcap® Growth Index returned 14.55% during the fourth quarter. Of the 11 broad sectors, 10 posted gains during the fourth quarter, led by Real Estate, Information Technology, Financials, and Industrials. Energy was the lone sector to finish down, as oil prices declined despite output cuts by OPEC+.

U.S. equity markets rallied during the fourth quarter, as investors reacted positively to the expectation that the Fed will begin cutting rates in 2024 if the positive trends on inflation, jobs, and economic growth continue. The Fed kept rates steady throughout the quarter, signaling the end of interest rate increases and the potential for several interest rate cuts in 2024, but did not indicate when the cuts might start. Inflation continued to trend lower throughout the quarter, slowing to 3.1% annualized in November, while the unemployment rate remained at historically low levels, finishing the year at just 3.7%. Third quarter Gross Domestic Product ("GDP") growth was revised down to 4.9%, but this was the fastest growth since the fourth quarter of 2021. Oil prices were weaker during the quarter, finishing the year at just over \$70 per barrel, down from approximately \$90 per barrel to start the quarter despite output cuts announced by OPEC+.

Retirement Class shares commenced operations on March 1, 2016. The performance attributed to the Retirement Class shares prior to that date is that of the Institutional Class shares. Performance prior to March 1, 2016 has not been adjusted to reflect the lower expenses of Retirement Class shares. During this period, Retirement Class shares would have had returns similar to, but somewhat higher than, Institutional Class shares due to the fact that Retirement Class shares represent interests in the same portfolio as Institutional Class shares but are subject to lower expenses.

Expense ratio information is as of the Fund's current prospectus, as supplemented. Gross expenses are the Fund's total annual operating expenses. The net expense ratios for this fund are subject to a contractual management fee waiver and/or expense limitation agreement, excluding interest expense and acquired fund fees and expenses (if any), through 02/29/2024.

Performance data shown represents past performance and is no guarantee of future results. Past performance is net of management fees and expenses and reflects reinvested dividends and distributions. Past performance reflects the beneficial effect of any expense waivers or reimbursements, without which returns would have been lower. Investment returns and principal value will fluctuate and when redeemed may be worth more or less than their original cost. Returns for periods less than one year are not annualized. Current performance may be higher or lower and is available through the most recent month end at harborcapital.com or by calling 800-422-1050.

### MANAGER COMMENTARY

As of 12/31/2023



### **Portfolio Performance**

The Harbor Mid Cap Value Fund (Institutional Class, "Fund") slightly underperformed its benchmark, the Russell Midcap® Value Index, during the fourth guarter. The Fund returned 11.93%, while the Russell Midcap® Value Index returned 12.11%. Value stocks lagged growth stocks in the year-end rally, as the Russell Midcap® Value Index was up 12.11%, while the Russell Midcap® Growth Index returned 14.55%.

We take limited sector and industry bets and look to add value primarily from bottom-up stock selection. During the fourth quarter, both stock and sector selection were mixed. While the Fund benefited from an overweight allocation to Financials and Consumer Discretionary stocks, this was offset by our underweight position in Real Estate, which along with Financials, were among the top-performing sectors during the fourth quarter. Our overweight allocation to Consumer Staples also detracted. Stock selection added value in the Consumer Discretionary sector, but this was offset by poor selection among Industrials.

### **Contributors & Detractors**

Detractors during the quarter included Health Care holding Jazz Pharmaceutical, Molson Coors in the Consumer Staples sector, Information Technology holding Jabil, and refiners Marathon Petroleum and Valero Energy in the Energy sector. We trimmed our position in Jabil during the guarter, but the other holdings are highly ranked and remain in the Fund.

Stock selection in the Consumer Discretionary sector had the most significant positive impact on performance, particularly among homebuilders, as PulteGroup, Toll Brothers, and Meritage Homes were among the top contributors for the quarter and for the full year. Homebuilders as a group was up nearly 25% during the quarter (trailing only regional banks) and advanced over 60% for the year. Retailers Foot Locker and Macy's also added value in the Consumer Discretionary sector. Other top contributors included Amkor Technology in the Information Technology sector, Financials holding Ally Financial, and NRG Energy in the Utilities sector. We trimmed our position in Foot Locker, given the runup in price, but the other holdings are highly ranked in our model and remain in the Fund.

### **Buys & Sells**

We initiated a position in Bunge Global, an agricultural products and services company in the Consumer Staples sector. The stock ranks highly on earnings and cash flow measures, generating a significant amount of free cash flow. The stock is also attractive on our book value measures. While the company pays an attractive dividend of 2.65%, Bunge is also aggressively buying back shares, which we view positively. Price momentum over the past six months has been relatively strong, and several measures of operating momentum have been improving. Overall, the stock ranks well within our top decile of stocks in the mid-cap universe.

We sold our position in Diodes, a manufacturer and supplier of semiconductor-related devices in the Information Technology sector. While trailing earnings for the company were strong, forecasts have come down, and the stock ranks poorly on price-to-forward-earnings measures. Similarly, past cash flow has been strong, but forecasts have come down, negatively impacting the stock ranking. The company does not pay a dividend and has not been returning cash to shareholders through buybacks. The stock has done well over the past three to five years, but recent price momentum has been poor. Our measures of fundamental momentum are also weak, particularly growth in sales and EBITDA\*.

### **MANAGER COMMENTARY**

As of 12/31/2023



### **Sector Overweights & Underweights**

The Fund was overweight Consumer Discretionary, Consumer Staples, Information Technology, and Financials stocks at the beginning of the year and underweight Industrials, Real Estate, and Utilities. The Fund's sector exposures are driven by valuations, as we overweight those sectors where we find the most attractive stocks from a valuation standpoint and underweight those sectors and industries where we have difficulty finding cheap stocks.

The most significant changes to the sector weights during the quarter were an increase in the absolute and relative weight to Consumer Discretionary and Financial stocks and decreases to Materials, Health Care, and Information Technology. The increase in the exposure to the Consumer Discretionary sector was primarily a result of good stock selection, while in Financials, we added to our position in Fifth Third Bancorp. The Fund remains near the maximum overweight positions in both Consumer Discretionary and Financials. We sold Westrock and Huntsman and trimmed our position in Reliance Steel and Aluminum in the Materials sector. In the Health Care sector, we sold Laboratory Corporation of America and Fortrea Holdings. We sold Diodes and trimmed our position in Jabil in the Information Technology sector.

The Fund's most significant overweight allocations relative to the value benchmark are to Consumer Discretionary, Financials, and Consumer Staples. Within Consumer Discretionary, the Fund is overweight homebuilders, automotive retail, and specialty retailers. Among Financials, the Fund is overweight consumer finance, commercial and residential mortgage finance, and multiline insurance. In Consumer Staples, the Fund is overweight grocery stores/food retail, agricultural products, and brewers. The most significant underweight allocations relative to the value benchmark are Real Estate and Utilities.

### **Outlook**

While equity markets rallied in the fourth quarter, finishing the year up 26% in the U.S. (S&P 500 Index), the advance was driven by a very narrow set of Information Technology-related stocks. While mid- and small-cap value stocks posted double-digit returns in the fourth quarter, value stocks continued to trade at very attractive multiples, particularly compared to their growth counterparts. In 2023, the top 10 stocks that drove returns in the S&P 500 comprised the highest percentage of the benchmark since the 1970s. Currently, the top 10 stocks account for 32% of the benchmark weight compared to a historical average of 21%. More importantly, the top 10 stocks in the U.S. are very expensive. Over longer periods of time, the top 10 stocks trade on par with the next 490 stocks by market cap. However, the top 10 stocks currently trade at 1.7x the valuation of the bottom 490, higher than at the height of the Information Technology bubble in the late 1990s.

Mid- and small-cap value stocks look very appealing from a valuation standpoint, and we continue to be able to find stocks generating strong cash flow and earnings yet trading at attractive multiples. The Fund currently trades at a 40% discount to the value benchmark on several valuation metrics, and we are able to find good quality companies across sectors and industries. While it is difficult to predict market returns in the coming year, we remain optimistic that the extremely attractive value positioning of the Fund will be rewarded over time.

# **QUARTERLY ATTRIBUTION**

As of 12/31/2023

### **Best & Worst Performers**

| Best Performers      | Average Weight % | Return % |
|----------------------|------------------|----------|
| FOOT LOCKER INC      | 0.50             | 82.98    |
| MACY'S INC           | 0.45             | 74.76    |
| PHOTRONICS INC       | 0.38             | 55.22    |
| AMKOR TECHNOLOGY INC | 1.12             | 47.62    |
| MERITAGE HOMES CORP  | 0.59             | 42.55    |

| Worst Performers | Average Weight % | Return % |
|------------------|------------------|----------|
| DIODES INC       | 0.42             | -13.79   |
| APA CORP         | 0.71             | -12.18   |
| BORGWARNER INC   | 0.49             | -10.91   |
| WESTERN UNION CO | 0.55             | -7.81    |
| WHIRLPOOL CORP   | 0.62             | -7.50    |

### **Contributors & Detractors**

| Greatest Contributors | Return % | Contribution to Return % |
|-----------------------|----------|--------------------------|
| PULTEGROUP INC        | 39.67    | 0.60                     |
| AMKOR TECHNOLOGY INC  | 47.62    | 0.49                     |
| TOLL BROTHERS INC     | 39.39    | 0.41                     |
| NRG ENERGY INC        | 35.41    | 0.40                     |
| FOOT LOCKER INC       | 82.98    | 0.38                     |
| Total                 |          | 2.28                     |

| <b>Greatest Detractors</b> | Return % | Contribution to Return % |
|----------------------------|----------|--------------------------|
| APA CORP                   | -12.18   | -0.11                    |
| DIODES INC                 | -13.79   | -0.11                    |
| WHIRLPOOL CORP             | -7.50    | -0.09                    |
| JAZZ PHARMACEUTICALS PLC   | -4.98    | -0.09                    |
| BORGWARNER INC             | -10.91   | -0.08                    |
| Total                      |          | -0.48                    |

## **ATTRIBUTION**

As of 12/31/2023

**Quarterly Attribution:** 

Harbor Mid Cap Value Fund vs Russell Midcap® Value

#### Performance

|                       | Portfolio | Benchmark | Active |
|-----------------------|-----------|-----------|--------|
| Return Ex Currency    | 12.28     | 12.11     | 0.17   |
| Currency Contribution | 0.00      | 0.00      | 0.00   |
| Total Return          | 12.28     | 12.11     | 0.17   |

| October 1844 The Affician |                 | Average Weight   |                   |             | Total Return |                    | Contributio        | n to Return     | А                 | ttribution Analysi | S            |
|---------------------------|-----------------|------------------|-------------------|-------------|--------------|--------------------|--------------------|-----------------|-------------------|--------------------|--------------|
| Sector Attribution        |                 |                  |                   |             |              |                    |                    | Bench.          |                   |                    |              |
|                           |                 |                  | Variation in Avg. | Port. Total | Bench. Total | Variation in Total | Port. Contribution | Contribution To |                   |                    |              |
|                           | Port. Avg. Wgt. | Bench. Avg. Wgt. | Wgt.              | Return      | Return       | Return             | To Return          | Return          | Allocation Effect | Selection Effect   | Total Effect |
| Consumer Discretionary    | 13.64           | 9.07             | 4.57              | 22.21       | 15.87        | 6.35               | 2.92               | 1.41            | 0.18              | 0.83               | 1.00         |
| Utilities                 | 3.68            | 7.54             | -3.87             | 17.09       | 9.31         | 7.78               | 0.64               | 0.77            | 0.10              | 0.28               | 0.38         |
| Materials                 | 6.08            | 7.71             | -1.63             | 10.46       | 8.94         | 1.52               | 0.64               | 0.68            | 0.05              | 0.11               | 0.16         |
| Health Care               | 8.01            | 6.85             | 1.15              | 9.02        | 7.82         | 1.20               | 0.77               | 0.47            | -0.06             | 0.13               | 0.06         |
| Financials                | 20.91           | 17.33            | 3.58              | 16.47       | 17.18        | -0.70              | 3.48               | 3.02            | 0.18              | -0.13              | 0.05         |
| Energy                    | 5.02            | 5.68             | -0.66             | -0.80       | 0.12         | -0.92              | -0.09              | -0.03           | 0.06              | -0.04              | 0.02         |
| Information Technology    | 10.28           | 9.34             | 0.93              | 10.72       | 10.24        | 0.48               | 1.03               | 0.88            | -0.03             | 0.05               | 0.02         |
| Communication Services    | 2.06            | 3.32             | -1.26             | 3.68        | 11.40        | -7.72              | 0.08               | 0.39            | 0.01              | -0.17              | -0.15        |
| Real Estate               | 5.32            | 10.30            | -4.99             | 16.52       | 16.59        | -0.06              | 0.90               | 1.71            | -0.22             | 0.00               | -0.22        |
| Consumer Staples          | 7.10            | 3.84             | 3.26              | 4.46        | 5.15         | -0.69              | 0.34               | 0.19            | -0.22             | -0.07              | -0.28        |
| Industrials               | 17.03           | 19.00            | -1.97             | 9.18        | 13.58        | -4.40              | 1.55               | 2.63            | -0.03             | -0.76              | -0.79        |
|                           |                 |                  |                   |             |              |                    |                    |                 |                   |                    |              |
| Total                     | 100.00          | 100.00           | 0.00              | 12.28       | 12.11        | 0.17               | 12.28              | 12.11           | -0.06             | 0.23               | 0.17         |

### **Trailing 1 Year Attribution:**

Harbor Mid Cap Value Fund vs Russell Midcap® Value

#### **Performance**

|                       | Portfolio | Benchmark | Active |  |
|-----------------------|-----------|-----------|--------|--|
| Return Ex Currency    | 17.44     | 12.71     | 4.73   |  |
| Currency Contribution | 0.00      | 0.00      | 0.00   |  |
| Total Return          | 17.44     | 12.71     | 4.73   |  |

| Sector Attribution     |                 | Average Weight   |                   |             | Total Return |                    | Contribution to Return |                 | Attribution Analysis |                  |              |
|------------------------|-----------------|------------------|-------------------|-------------|--------------|--------------------|------------------------|-----------------|----------------------|------------------|--------------|
|                        |                 |                  |                   |             |              |                    |                        | Bench.          |                      |                  |              |
|                        |                 |                  | Variation in Avg. | Port. Total | Bench. Total | Variation in Total | Port. Contribution     | Contribution To |                      |                  |              |
|                        | Port. Avg. Wgt. | Bench. Avg. Wgt. | Wgt.              | Return      | Return       | Return             | To Return              | Return          | Allocation Effect    | Selection Effect | Total Effect |
| Consumer Discretionary | 14.35           | 9.66             | 4.69              | 34.39       | 22.79        | 11.60              | 4.52                   | 2.10            | 0.47                 | 1.50             | 1.97         |
| Utilities              | 3.76            | 8.12             | -4.36             | 25.40       | -2.41        | 27.81              | 0.85                   | -0.16           | 0.72                 | 0.98             | 1.70         |
| Financials             | 20.92           | 17.35            | 3.57              | 17.88       | 11.90        | 5.98               | 3.76                   | 1.89            | 0.07                 | 1.27             | 1.34         |
| Health Care            | 7.73            | 7.19             | 0.54              | 5.50        | -0.74        | 6.24               | 0.62                   | -0.12           | -0.17                | 0.67             | 0.51         |
| Materials              | 7.69            | 7.74             | -0.05             | 13.62       | 9.07         | 4.55               | 0.98                   | 0.69            | 0.05                 | 0.39             | 0.44         |
| Information Technology | 10.31           | 8.89             | 1.42              | 23.28       | 20.55        | 2.73               | 2.49                   | 1.73            | 0.22                 | 0.22             | 0.43         |
| Consumer Staples       | 7.40            | 4.18             | 3.22              | 3.90        | -3.04        | 6.94               | 0.32                   | -0.15           | -0.50                | 0.53             | 0.04         |
| Real Estate            | 5.65            | 10.62            | -4.96             | 10.92       | 11.42        | -0.50              | 0.60                   | 1.22            | 0.06                 | -0.03            | 0.03         |
| Energy                 | 4.59            | 5.30             | -0.71             | 7.84        | 7.95         | -0.11              | 0.19                   | 0.38            | -0.08                | 0.02             | -0.06        |
| Communication Services | 2.16            | 3.29             | -1.13             | -8.35       | 7.86         | -16.21             | -0.17                  | 0.31            | 0.08                 | -0.40            | -0.33        |
| Industrials            | 14.72           | 17.68            | -2.95             | 23.40       | 28.94        | -5.54              | 3.23                   | 4.83            | -0.47                | -0.83            | -1.30        |
|                        |                 |                  |                   |             |              |                    |                        |                 |                      |                  |              |
| Total                  | 100.00          | 100.00           | 0.00              | 17.44       | 12.71        | 4.73               | 17.44                  | 12.71           | 0.41                 | 4.32             | 4.73         |

Performance data shown represents past performance and is no guarantee of future results.



## **IMPORTANT INFORMATION**



#### **Risks**

There is no guarantee that the investment objective of the Fund will be achieved. Stock markets are volatile and equity values can decline significantly in response to adverse issuer, political, regulatory, market and economic conditions. The value of securities selected using quantitative analysis can react differently to issuer, political, market, and economic developments than the market as a whole or securities selected using only fundamental analysis. The factors used in quantitative analysis and the weight placed on those factors may not be predictive of a security's value. In addition, any model may contain flaws or the model may not perform as anticipated. Stocks of mid cap companies pose special risks, including possible illiquidity and greater price volatility than stocks of larger, more established companies.

#### **Benchmarks**

The Russell Midcap® Value Index is an unmanaged index generally representative of the U.S. market for medium capitalization value stocks. This unmanaged index does not reflect fees and expenses and is not available for direct investment. The Russell Midcap® Value Index and Russell® are trademarks of Frank Russell Company.

The Russell Midcap® Growth Index is an unmanaged index generally representative of the U.S. market for medium capitalization growth stocks. This unmanaged index does not reflect fees and expenses and is not available for direct investment. The Russell Midcap® Growth Index and Russell® are trademarks of Frank Russell Company.

The S&P 500 Index is an unmanaged index generally representative of the U.S. market for large capitalization equities. This unmanaged index does not reflect fees and expenses and is not available for direct investment.

#### **Disclosures**

All holdings-related data is provided by FactSet. Because FactSet relies on external sources for its data, that data may differ slightly from actual values maintained by Harbor Funds.

Due to the security valuation procedures of the Fund and intra-day trading activity not included in the FactSet calculations, the actual returns may vary. From time to time the cash return in the portfolio may appear distorted based on the way FactSet's attribution calculation methodology addresses delayed settlements.

Beta is a rolling three year, unless the Fund has a track record of less than three years, in which case it is a rolling one year.

Best and Worst Performers sections reflect stocks in the portfolio for the guarter with an average weight of 0.25% or greater.

Views expressed herein are drawn from commentary provided to Harbor by the subadvisor and may not be reflective of their current opinions or future actions, are subject to change without prior notice, and should not be considered investment advice.

This information should not be considered as a recommendation to purchase or sell a particular security. The weightings, holdings, industries, sectors, countries, and returns mentioned may change at any time and may not represent current or future investments.

As a result of changing market conditions, total net asset levels, expenses and other statistics may change at any time and may differ from those shown.

The total amount shown for sector, industries, or country holdings may be greater than 100% because of the inclusion of derivatives and the collateral securities supporting those instruments.

Sector allocations are determined using the Global Industry Classification Standard (GICS), which is a service of Morgan Stanley Capital International (MSCI) and Standard & Poor's (S&P).

Investors should carefully consider the investment objectives, risks, charges and expenses of a fund before investing. To obtain a summary prospectus or prospectus for this and other information, visit harborcapital.com or call 800-422-1050. Read it carefully before investing.

LSV Asset Management is an independent subadvisor to the Harbor Mid Cap Value Fund.

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### IMPORTANT INFORMATION



#### **Attribution Disclosures**

Linked Performance by Sectors data is produced from FactSet using data supplied by State Street Bank and Trust Company.

Active Currency Contribution is the Currency Contribution of the portfolio minus the Currency Contribution of the benchmark.

Allocation Effect is the portion of portfolio excess return that is attributable to taking different group bets from the benchmark. (If either the portfolio or the benchmark has no position in a given group, allocation effect is the lone effect.) A group's allocation effect equals the average percent capitalization of the portfolio's group minus the average percent cap of the benchmark's group times the total return of the benchmark.

Average Weight is the dollar value (price times the shares held) of the security or group, divided by the total dollar value of the entire portfolio displayed as a percentage. It is calculated as the simple arithmetic average of daily values.

Contribution to Return is the contribution of a security or group to the overall portfolio return. It is calculated as the security weight multiplied by the daily security return linked daily across the reporting period.

Currency Contribution is Total Return in USD subtracting out the Local Returns.

Local Returns are the Total Return of the portfolio or benchmark using the local currency.

Selection Effect is the portion of portfolio excess return attributable to choosing different securities within groups from the benchmark. A group's security selection effect equals the average weight of the benchmark's group times the total return of the portfolio's group minus the total return of the benchmark's group.

Total Effect is the sum of Allocation Effect and Selection Effect. The total effect represents the opportunity cost of what was done in a group relative to the overall portfolio. It is not just the difference between percent contribution in the portfolio and benchmark. At the overall portfolio level, the two numbers are equal. At the group level, they can be different.

Total Return is the price change of a security or group including dividends accrued over the report period (or the in-portfolio return) which includes only the time period that each security was in the portfolio.

#### **Definitions**

Beta is a measure of systematic risk, or the sensitivity of a fund to movements in the benchmark. A beta of 1 implies that the expected movement of a fund's return would match that of the benchmark used to measure beta.

Median Market Cap: The median size of the companies in a portfolio or index as measured by the market value of outstanding shares.

Weighted Average Market Capitalization: The average size of the companies in a portfolio or index as measured by the market value of outstanding shares.

Earnings per share (EPS) is the portion of a company's profit allocated to each outstanding share.

The Est 3-5 Yr EPS Growth (%) is the estimated growth of earnings per share over the next 3-5 years, using pre-calculated mean long-term EPS growth rate estimates, which are calculated using each individual broker's methodology, from FactSet, First Call, I/B/E/S Consensus, and Reuters. Forward looking estimates may not come to pass.

% EPS Growth - Past 3 Year: Earnings per share refers to the bottom-line measure of a company's profitability defined as net income divided by the number of outstanding shares.

The Adjusted Trailing P/E (price-to-earnings) Ratio is the closing stock price divided by the sum of the last 12 months actual EPS.

Forecasted P/E Ratio: a measure of the P/E (price-to-earnings) ratio using forecasted earnings for the P/E calculation.

Return on Equity (ROE) is a measure of financial performance calculated by dividing net income by shareholders' equity.

The Price/Book (price-to-book) Ratio evaluates a firm's market value relative to its book value.

All P/E, ROE and P/B statistics are calculated as weighted medians.