

Morgan Stanley

U.S. Real Estate Portfolio

The Fund is intended to be a funding vehicle for variable annuity contracts and variable life insurance policies offered by the separate accounts of certain life insurance companies.

Table of Contents

Expense Example.....	2
Investment Overview.....	3
Portfolio of Investments.....	5
Statement of Assets and Liabilities	6
Statement of Operations.....	7
Statements of Changes in Net Assets.....	8
Financial Highlights	9
Notes to Financial Statements.....	11
Report of Independent Registered Public Accounting Firm	17
Liquidity Risk Management Program	18
Federal Tax Notice.....	19
Director and Officer Information	20

Expense Example (unaudited)

U.S. Real Estate Portfolio

As a shareholder of the U.S. Real Estate Portfolio (the “Fund”), you incur two types of costs: (1) insurance company charges; and (2) ongoing costs, which may include advisory fees, administration fees, distribution (12b-1) fees and other Fund expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Fund and to compare these costs with the ongoing costs of investing in other mutual funds.

This example is based on an investment of \$1,000 invested at the beginning of the six-month period ended December 31, 2021 and held for the entire six-month period.

Actual Expenses

The table below provides information about actual account values and actual expenses. You may use the information in this table, together with the amount you invested, to estimate the expenses that you paid over the period. 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 in the table under the heading entitled “Actual Expenses Paid During Period” to estimate the expenses you paid on your account during this period.

Hypothetical Example for Comparison Purposes

The table below provides information about hypothetical account values and hypothetical expenses based on the Fund’s actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Fund’s actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the Fund and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any insurance company charges. Therefore, the table below is useful in comparing ongoing costs, but will not help you determine the relative total cost of owning different funds. In addition, if these insurance company charges were included, your costs would have been higher.

	Beginning Account Value 7/1/21	Actual Ending Account Value 12/31/21	Hypothetical Ending Account Value	Actual Expenses Paid During Period*	Hypothetical Expenses Paid During Period*	Net Expense Ratio During Period**
U.S. Real Estate Portfolio Class I	\$1,000.00	\$1,155.80	\$1,021.07	\$4.46	\$4.18	0.82%
U.S. Real Estate Portfolio Class II	1,000.00	1,153.80	1,019.81	5.81	5.45	1.07

* Expenses are calculated using each Fund Class’ annualized net expense ratio (as disclosed), multiplied by the average account value over the period and multiplied by 184/365 (to reflect the most recent one-half year period).

** Annualized.

Investment Overview (unaudited)

U.S. Real Estate Portfolio

The Fund seeks to provide above average current income and long-term capital appreciation by investing primarily in equity securities of companies in the U.S. real estate industry, including real estate investment trusts (“REITs”).

Performance

For the fiscal year ended December 31, 2021, the Fund’s Class I shares had a total return based on net asset value and reinvestment of distributions per share of 39.80%, net of fees, and 39.44%, net of fees, for Class II shares. The Fund’s Class I and Class II shares underperformed the Fund’s benchmark, the FTSE Nareit (National Association of Real Estate Investment Trusts) Equity REITs Index (the “Index”), which returned 43.24%, and outperformed the S&P 500® Index, which returned 28.71%.

Factors Affecting Performance

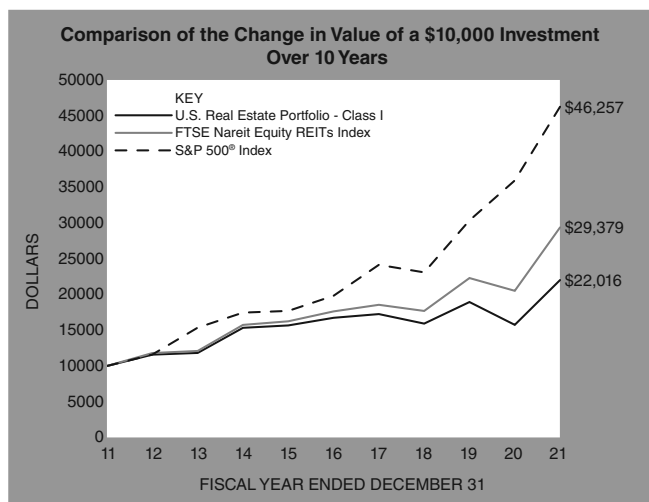
- In the U.S., after a strong start to 2021 in more economically sensitive sectors such as office, lodging and retail, rising concerns regarding COVID-19 and the delta and omicron variants led investors to question the sustainability of economic growth, which resulted in sector leadership rotation. Ultimately the more defensive and secularly favored sectors, such as storage, apartments and industrial, outperformed and posted strong returns for the year. An exception to this sector leadership rotation was within retail, where regional malls posted the best returns for the year on continued strength in retail sales and robust discretionary spending. In contrast, health care and office companies underperformed.
- The Fund’s overweight to storage, underweight to skilled nursing health care and REIT hotels, and security selection in industrial were top relative contributors for the year. Key detractors included the underweights to regional malls and industrial; security selection within and the underweight to apartments; overweight to “big 3” health care companies; and security selection in data centers and NYC office.

Management Strategies

- The team uses internal proprietary research to invest in public real estate companies that we believe offer the best value relative to their underlying assets and growth prospects. The team combines a bottom-up approach, assessing the intrinsic value, equity multiples and growth prospects of each security, with a top-down view that incorporates fundamental inflection points, macroeconomic considerations and geopolitical risk. By incorporating both an equity market valuation and a more traditional real estate valuation with a top-down overlay, we believe the Fund will be better prepared to identify securities with the best expected total returns.
- Forecasted market strength in the asset class is supported by a number of macro and fundamental factors, including continued vaccine distribution, the reopening and/or anticipated reopening of economies around the world, and growing demand for real estate. We believe the relative valuation of real estate securities is attractive compared to investable alternatives, including the broader equity market, fixed income and direct property investment. Fundamental recovery and strength, coupled with attractive relative valuations, appear to be supportive of above-trend growth over the next several years. We believe continued merger and acquisition activity and privatizations are possible given discounts to private market valuations observed across sectors. Transaction volumes are expected to increase given the growing clarity on the recovery in fundamentals across most major sectors. However, an elevated risk premium should be expected for assets with operational, leasing or repositioning risk.
- Rising inflation and related rising interest rates could dampen value appreciation in the near term. However, we believe inflation pressures will likely moderate throughout the year and interest rates are likely to remain low versus history. More important is the expectation for continued economic expansion and strong gross domestic product growth, coupled with an expectation for limited new supply additions, strong credit availability and increasing investor interest in real estate investing, which could lead to above-trend levels of cash flow growth and value appreciation in the sector.

Investment Overview (unaudited) (cont'd)

U.S. Real Estate Portfolio



In accordance with SEC regulations, the Fund's performance shown assumes that all recurring fees (including management fees) were deducted and all dividends and distributions were reinvested. The performance of Class II shares will vary from the performance of Class I shares based upon its different inception date and will be negatively impacted by additional fees assessed to that class.

Performance Compared to the FTSE Nareit Equity REITs Index⁽¹⁾ and the S&P 500[®] Index⁽²⁾

	Period Ended December 31, 2021			
	Total Returns ⁽³⁾			
	Average Annual			
	One Year	Five Years	Ten Years	Since Inception ⁽⁶⁾
Fund – Class I ⁽⁴⁾	39.80%	5.64%	8.21%	9.19%
FTSE Nareit Equity REITs Index	43.24	10.75	11.38	9.93
S&P 500 [®] Index	28.71	18.47	16.55	9.50
Fund – Class II ⁽⁵⁾	39.44	5.37	7.94	9.78
FTSE Nareit Equity REITs Index	43.24	10.75	11.38	11.24
S&P 500 [®] Index	28.71	18.47	16.55	11.20

Performance data quoted represents past performance, which is no guarantee of future results, and current performance may be lower or higher than the figures shown. Performance assumes that all dividends and distributions, if any, were reinvested. For the most recent month-end performance figures, please contact the issuing insurance company or speak with your financial advisor. Investment return and principal value will fluctuate so that Fund shares, when redeemed, may be worth more or less than their original cost. Total returns do not reflect the deduction of taxes that a shareholder would pay on Fund distributions or the redemption of Fund shares. Performance shown does not reflect fees and expenses imposed by your insurance company's separate account. If performance information included the effect of these additional charges, the total returns would be lower. Please keep in mind that double-digit returns for the Fund are highly unusual and cannot be sustained.

- ⁽¹⁾ The FTSE Nareit (National Association of Real Estate Investment Trusts) Equity REITs Index is free float-adjusted market capitalization weighted index of tax-qualified REITs listed on the New York Stock Exchange, NYSE Amex and the NASDAQ National Market Systems. The Index is unmanaged and its returns do not include any sales charges or fees. Such costs would lower performance. It is not possible to invest directly in an index.
- ⁽²⁾ The Standard and Poor's 500[®] Index (S&P 500[®] Index) measures the performance of the large cap segment of the U.S. equities market, covering approximately 80% of the U.S. equities market. The Index includes 500 leading companies in leading industries of the U.S. economy. The Index is unmanaged and its returns do not include any sales charges or fees. Such costs would lower performance. It is not possible to invest directly in an index.
- ⁽³⁾ Total returns for the Fund reflect fees waived and expenses reimbursed, if applicable, by the Adviser (as defined herein). Without such waivers and reimbursements, total returns would have been lower.
- ⁽⁴⁾ Commenced operations on March 3, 1997.
- ⁽⁵⁾ Commenced offering on November 5, 2002.
- ⁽⁶⁾ For comparative purposes, average annual since inception returns listed for the Indexes refer to the inception date or initial offering of the respective share class of the Fund, not the inception of the Index.

Portfolio of Investments

U.S. Real Estate Portfolio

	Shares	Value (000)
Common Stocks (100.4%)		
Apartments (13.5%)		
Equity Residential REIT	205,172	\$ 18,568
Mid-America Apartment Communities, Inc. REIT	82,679	18,970
UDR, Inc. REIT	310,713	18,640
		56,178
Data Centers (7.4%)		
Digital Realty Trust, Inc. REIT	129,911	22,977
GDS Holdings Ltd. ADR (China) (a)	31,263	1,475
Switch, Inc., Class A	218,571	6,260
		30,712
Free Standing (6.2%)		
Agree Realty Corp. REIT	59,796	4,267
NETSTREIT Corp. REIT	262,991	6,023
Realty Income Corp. REIT	214,516	15,357
		25,647
Health Care (13.2%)		
Healthcare Trust of America, Inc., Class A REIT	166,630	5,564
Healthpeak Properties, Inc. REIT	398,370	14,377
Medical Properties Trust, Inc. REIT	333,497	7,880
Ventas, Inc. REIT	158,634	8,109
Welltower, Inc. REIT	221,308	18,982
		54,912
Industrial (16.3%)		
ProLogis, Inc. REIT	317,331	53,426
Rexford Industrial Realty, Inc. REIT	177,296	14,380
		67,806
Lodging/Resorts (2.1%)		
Boyd Gaming Corp. (a)	88,999	5,836
Caesars Entertainment, Inc. (a)	32,538	3,043
		8,879
Manufactured Homes (3.8%)		
Sun Communities, Inc. REIT	75,045	15,757
Office (5.0%)		
Alexandria Real Estate Equities, Inc. REIT	60,169	13,415
Kilroy Realty Corp. REIT	114,989	7,642
		21,057
Regional Malls (3.0%)		
Simon Property Group, Inc. REIT	78,724	12,578
Self Storage (13.7%)		
Extra Space Storage, Inc. REIT	74,740	16,946
Life Storage, Inc. REIT	58,067	8,894
Public Storage REIT	83,276	31,192
		57,032
Shopping Centers (8.3%)		
Brixmor Property Group, Inc. REIT	357,733	9,090
Kite Realty Group Trust REIT	427,937	9,321
RPT Realty REIT	396,946	5,311
SITE Centers Corp. REIT	676,003	10,701
		34,423

	Shares	Value (000)
Single Family Homes (2.8%)		
Invitation Homes, Inc. REIT	260,169	\$ 11,796
Specialty (5.1%)		
Outfront Media, Inc. REIT	352,805	9,462
SBA Communications Corp. REIT	10,863	4,226
VICI Properties, Inc. REIT	247,038	7,439
		21,127
Total Common Stocks (Cost \$331,080)		417,904
Short-Term Investment (0.1%)		
Investment Company (0.1%)		
Morgan Stanley Institutional Liquidity Funds — Treasury Portfolio — Institutional Class (See Note H) (Cost \$425)	424,882	425
Total Investments (100.5%) (Cost \$331,505) (b)		418,329
Liabilities in Excess of Other Assets (-0.5%)		(1,934)
Net Assets (100.0%)		\$416,395

(a) Non-income producing security.

(b) At December 31, 2021, the aggregate cost for federal income tax purposes is approximately \$331,909,000. The aggregate gross unrealized appreciation is approximately \$89,875,000 and the aggregate gross unrealized depreciation is approximately \$3,287,000, resulting in net unrealized appreciation of approximately \$86,588,000.

ADR American Depositary Receipt.

REIT Real Estate Investment Trust.

Portfolio Composition

Classification	Percentage of Total Investments
Industrial	16.2%
Self Storage	13.6
Apartments	13.4
Health Care	13.1
Other*	11.8
Shopping Centers	8.2
Data Centers	7.4
Free Standing	6.1
Specialty	5.1
Office	5.1
Total Investments	100.0%

* Industries and/or investment types representing less than 5% of total investments.

U.S. Real Estate Portfolio

Statement of Assets and Liabilities

December 31, 2021
(000)

Assets:	
Investments in Securities of Unaffiliated Issuers, at Value (Cost \$331,080)	\$417,904
Investment in Security of Affiliated Issuer, at Value (Cost \$425)	425
Total Investments in Securities, at Value (Cost \$331,505)	418,329
Foreign Currency, at Value (Cost \$21)	21
Dividends Receivable	937
Receivable for Fund Shares Sold	65
Receivable from Affiliate	—@
Other Assets	35
Total Assets	419,387
Liabilities:	
Payable for Fund Shares Redeemed	2,130
Payable for Advisory Fees	539
Payable for Servicing Fees	149
Payable for Distribution Fees — Class II Shares	46
Payable for Professional Fees	42
Payable for Administration Fees	27
Payable for Custodian Fees	10
Payable for Transfer Agency Fees	2
Other Liabilities	47
Total Liabilities	2,992
NET ASSETS	\$416,395
Net Assets Consist of:	
Paid-in-Capital	\$253,303
Total Distributable Earnings	163,092
Net Assets	\$416,395
CLASS I:	
Net Assets	\$194,007
Net Asset Value, Offering and Redemption Price Per Share Applicable to 8,267,458 Outstanding \$0.001 Par Value Shares (Authorized 500,000,000 Shares)	\$ 23.47
CLASS II:	
Net Assets	\$222,388
Net Asset Value, Offering and Redemption Price Per Share Applicable to 9,534,961 Outstanding \$0.001 Par Value Shares (Authorized 500,000,000 Shares)	\$ 23.32

@ Amount is less than \$500.

U.S. Real Estate Portfolio

Statement of Operations

Year Ended
December 31, 2021
(000)

Investment Income:	
Dividends from Securities of Unaffiliated Issuers (Net of \$2 of Foreign Taxes Withheld)	\$ 7,662
Non-Cash Dividends from Securities of Unaffiliated Issuers	680
Dividends from Security of Affiliated Issuer (Note H)	—@
Income from Securities Loaned — Net	—@
Total Investment Income	8,342
Expenses:	
Advisory Fees (Note B)	2,683
Servicing Fees (Note D)	554
Distribution Fees — Class II Shares (Note E)	515
Administration Fees (Note C)	307
Professional Fees	130
Shareholder Reporting Fees	20
Custodian Fees (Note G)	15
Transfer Agency Fees (Note F)	14
Directors' Fees and Expenses	8
Pricing Fees	3
Other Expenses	15
Total Expenses	4,264
Waiver of Advisory Fees (Note B)	(607)
Rebate from Morgan Stanley Affiliate (Note H)	(2)
Net Expenses	3,655
Net Investment Income	4,687
Realized Gain:	
Investments Sold	114,747
Foreign Currency Translation	2
Net Realized Gain	114,749
Change in Unrealized Appreciation (Depreciation):	
Investments	8,475
Foreign Currency Translation	(—@)
Net Change in Unrealized Appreciation (Depreciation)	8,475
Net Realized Gain and Change in Unrealized Appreciation (Depreciation)	123,224
Net Increase in Net Assets Resulting from Operations	\$127,911

@ Amount is less than \$500.

U.S. Real Estate Portfolio

Statements of Changes in Net Assets

	Year Ended December 31, 2021 (000)	Year Ended December 31, 2020 (000)
Increase (Decrease) in Net Assets:		
Operations:		
Net Investment Income	\$ 4,687	\$ 6,687
Net Realized Gain (Loss)	114,749	(36,828)
Net Change in Unrealized Appreciation (Depreciation)	8,475	(37,337)
Net Increase (Decrease) in Net Assets Resulting from Operations	127,911	(67,478)
Dividends and Distributions to Shareholders:		
Class I	(3,597)	(9,097)
Class II	(3,799)	(9,892)
Total Dividends and Distributions to Shareholders	(7,396)	(18,989)
Capital Share Transactions:⁽¹⁾		
Class I:		
Subscribed	8,959	28,573
Distributions Reinvested	3,597	9,097
Redeemed	(43,565)	(28,557)
Class II:		
Subscribed	9,915	28,140
Distributions Reinvested	3,799	9,892
Redeemed	(46,670)	(29,553)
Net Increase (Decrease) in Net Assets Resulting from Capital Share Transactions	(63,965)	17,592
Total Increase (Decrease) in Net Assets	56,550	(68,875)
Net Assets:		
Beginning of Period	359,845	428,720
End of Period	\$416,395	\$359,845
⁽¹⁾ Capital Share Transactions:		
Class I:		
Shares Subscribed	451	1,848
Shares Issued on Distributions Reinvested	174	616
Shares Redeemed	(2,241)	(1,728)
Net Increase (Decrease) in Class I Shares Outstanding	(1,616)	736
Class II:		
Shares Subscribed	499	1,846
Shares Issued on Distributions Reinvested	185	673
Shares Redeemed	(2,337)	(1,795)
Net Increase (Decrease) in Class II Shares Outstanding	(1,653)	724

Financial Highlights

U.S. Real Estate Portfolio

Selected Per Share Data and Ratios	Class I				
	Year Ended December 31,				
	2021	2020	2019	2018	2017
Net Asset Value, Beginning of Period	\$17.13	\$21.93	\$19.52	\$21.72	\$21.39
Income (Loss) from Investment Operations:					
Net Investment Income ⁽¹⁾	0.27	0.35	0.51	0.51	0.45
Net Realized and Unrealized Gain (Loss)	6.49	(4.20)	3.15	(2.13)	0.20
Total from Investment Operations	6.76	(3.85)	3.66	(1.62)	0.65
Distributions from and/or in Excess of:					
Net Investment Income	(0.42)	(0.48)	(0.42)	(0.58)	(0.32)
Net Realized Gain	—	(0.47)	(0.83)	—	—
Total Distributions	(0.42)	(0.95)	(1.25)	(0.58)	(0.32)
Net Asset Value, End of Period	\$23.47	\$17.13	\$21.93	\$19.52	\$21.72
Total Return⁽²⁾	39.80%	(16.85)%	18.94%	(7.71)%	3.11%
Ratios to Average Net Assets and Supplemental Data:					
Net Assets, End of Period (Thousands)	\$194,007	\$169,291	\$200,635	\$185,191	\$228,487
Ratio of Expenses Before Expense Limitation	0.98%	0.99%	0.97%	1.03%	1.07%
Ratio of Expenses After Expense Limitation	0.82% ⁽³⁾	0.82% ⁽³⁾	0.82% ⁽³⁾	0.86% ⁽³⁾⁽⁴⁾	0.92% ⁽³⁾⁽⁵⁾
Ratio of Net Investment Income	1.36% ⁽³⁾	2.07% ⁽³⁾	2.36% ⁽³⁾	2.47% ⁽³⁾	2.13% ⁽³⁾
Ratio of Rebate from Morgan Stanley Affiliates	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾
Portfolio Turnover Rate	129%	50%	20%	40%	44%

(1) Per share amount is based on average shares outstanding.

(2) Calculated based on the net asset value as of the last business day of the period. Performance does not reflect fees and expenses imposed by your insurance company's separate account. If performance information included the effect of these additional charges, the total return would be lower.

(3) The Ratio of Expenses After Expense Limitation and Ratio of Net Investment Income reflect the rebate of certain Fund expenses in connection with the investments in Morgan Stanley affiliates during the period. The effect of the rebate on the ratios is disclosed in the above table as "Ratio of Rebate from Morgan Stanley Affiliates."

(4) Effective July 1, 2018, the Adviser has agreed to limit the ratio of expenses to average net assets to the maximum ratio of 0.82% for Class I shares. Prior to July 1, 2018, the maximum ratio was 0.90% for Class I shares.

(5) Effective July 1, 2017, the Adviser has agreed to limit the ratio of expenses to average net assets to the maximum ratio of 0.90% for Class I shares. Prior to July 1, 2017, the maximum ratio was 0.95% for Class I shares.

(6) Amount is less than 0.005%.

Financial Highlights

U.S. Real Estate Portfolio

Selected Per Share Data and Ratios	Class II				
	Year Ended December 31,				
	2021	2020	2019	2018	2017
Net Asset Value, Beginning of Period	\$17.03	\$21.80	\$19.40	\$21.59	\$21.26
Income (Loss) from Investment Operations:					
Net Investment Income ⁽¹⁾	0.22	0.30	0.45	0.46	0.40
Net Realized and Unrealized Gain (Loss)	6.44	(4.17)	3.14	(2.13)	0.20
Total from Investment Operations	6.66	(3.87)	3.59	(1.67)	0.60
Distributions from and/or in Excess of:					
Net Investment Income	(0.37)	(0.43)	(0.36)	(0.52)	(0.27)
Net Realized Gain	—	(0.47)	(0.83)	—	—
Total Distributions	(0.37)	(0.90)	(1.19)	(0.52)	(0.27)
Net Asset Value, End of Period	\$23.32	\$17.03	\$21.80	\$19.40	\$21.59
Total Return⁽²⁾	39.44%	(17.10)%	18.68%	(7.97)%	2.87%
Ratios to Average Net Assets and Supplemental Data:					
Net Assets, End of Period (Thousands)	\$222,388	\$190,554	\$228,085	\$218,290	\$283,481
Ratio of Expenses Before Expense Limitation	1.23%	1.24%	1.22%	1.28%	1.32%
Ratio of Expenses After Expense Limitation	1.07% ⁽³⁾	1.07% ⁽³⁾	1.07% ⁽³⁾	1.11% ⁽³⁾⁽⁴⁾	1.17% ⁽³⁾⁽⁵⁾
Ratio of Net Investment Income	1.11% ⁽³⁾	1.82% ⁽³⁾	2.11% ⁽³⁾	2.22% ⁽³⁾	1.88% ⁽³⁾
Ratio of Rebate from Morgan Stanley Affiliates	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾	0.00% ⁽⁶⁾
Portfolio Turnover Rate	129%	50%	20%	40%	44%

(1) Per share amount is based on average shares outstanding.

(2) Calculated based on the net asset value as of the last business day of the period. Performance does not reflect fees and expenses imposed by your insurance company's separate account. If performance information included the effect of these additional charges, the total return would be lower.

(3) The Ratio of Expenses After Expense Limitation and Ratio of Net Investment Income reflect the rebate of certain Fund expenses in connection with the investments in Morgan Stanley affiliates during the period. The effect of the rebate on the ratios is disclosed in the above table as "Ratio of Rebate from Morgan Stanley Affiliates."

(4) Effective July 1, 2018, the Adviser has agreed to limit the ratio of expenses to average net assets to the maximum ratio of 1.07% for Class II shares. Prior to July 1, 2018, the maximum ratio was 1.15% for Class II shares.

(5) Effective July 1, 2017, the Adviser has agreed to limit the ratio of expenses to average net assets to the maximum ratio of 1.15% for Class II shares. Prior to July 1, 2017, the maximum ratio was 1.20% for Class II shares.

(6) Amount is less than 0.005%.

Notes to Financial Statements

Morgan Stanley Variable Insurance Fund, Inc. (the “Company”) is registered under the Investment Company Act of 1940, as amended (the “Act”), as an open-end management investment company. The Company is comprised of ten separate active, diversified and non-diversified funds (individually referred to as a “Fund,” collectively as the “Funds”). The Company applies investment company accounting and reporting guidance.

The accompanying financial statements relate to the U.S. Real Estate Portfolio. The Fund seeks to provide above average current income and long-term capital appreciation by investing primarily in equity securities of companies in the U.S. real estate industry, including real estate investment trusts (“REITs”). The Fund offers two classes of shares — Class I and Class II. Both classes of shares have identical voting rights (except that shareholders of a Class have exclusive voting rights regarding any matter relating solely to that Class of shares), dividend, liquidation and other rights.

The Company is intended to be a funding vehicle for variable annuity contracts and variable life insurance policies offered by the separate accounts of certain life insurance companies.

A. Significant Accounting Policies: The following significant accounting policies are in conformity with U.S. generally accepted accounting principles (“GAAP”). Such policies are consistently followed by the Company in the preparation of its financial statements. GAAP may require management to make estimates and assumptions that affect the reported amounts and disclosures in the financial statements. Actual results may differ from those estimates.

1. Security Valuation: (1) An equity portfolio security listed or traded on an exchange is valued at its latest reported sales price (or at the exchange official closing price if such exchange reports an official closing price), and if there were no sales on a given day and if there is no official exchange closing price for that day, the security is valued at the mean between the last reported bid and asked prices if such bid and asked prices are available on the relevant exchanges. If only bid prices are available then the latest bid price may be used. Listed equity securities not traded on the valuation date with no reported bid and asked prices available on the exchange are valued at the mean between the current bid and asked prices obtained from one or more reputable brokers or dealers. In cases where a security is traded on more than one exchange, the security is valued on the exchange designated as the primary market; (2) all other equity portfolio securities for which over-the-counter (“OTC”) market quotations are readily available are valued at the latest reported sales price (or at the market official closing price if such

market reports an official closing price), and if there was no trading in the security on a given day and if there is no official closing price from relevant markets for that day, the security is valued at the mean between the last reported bid and asked prices if such bid and asked prices are available on the relevant markets. An unlisted equity security that does not trade on the valuation date and for which bid and asked prices from the relevant markets are unavailable is valued at the mean between the current bid and asked prices obtained from one or more reputable brokers or dealers; (3) certain portfolio securities may be valued by an outside pricing service/vendor approved by the Company’s Board of Directors (the “Directors”). The pricing service/vendor may employ a pricing model that takes into account, among other things, bids, yield spreads and/or other market data and specific security characteristics. Alternatively, if a valuation is not available from an outside pricing service/vendor, and the security trades on an exchange, the security may be valued at its latest reported sale price (or at the exchange official closing price if such exchange reports an official closing price), prior to the time when assets are valued. If there are no sales on a given day and if there is no official exchange closing price for that day, the security is valued at the mean between the last reported bid and asked prices if such bid and asked prices are available in the relevant exchanges. If only bid prices are available then the latest bid price may be used. If Morgan Stanley Investment Management Inc. (the “Adviser”), a wholly-owned subsidiary of Morgan Stanley, determines that the price provided by the outside pricing service/vendor or exchange does not reflect the security’s fair value or is unable to provide a price, prices from brokers or dealers may also be utilized. In these circumstances, the value of the security will be the mean of bid and asked prices obtained from brokers or dealers; (4) when market quotations are not readily available, including circumstances under which the Adviser determines that the closing price, last sale price or the mean between the last reported bid and asked prices are not reflective of a security’s market value, portfolio securities are valued at their fair value as determined in good faith under procedures established by and under the general supervision of the Directors. Occasionally, developments affecting the closing prices of securities and other assets may occur between the times at which valuations of such securities are determined (that is, close of the foreign market on which the securities trade) and the close of business of the New York Stock Exchange (“NYSE”). If developments occur during such periods that are expected to materially affect the value of such securities, such valuations may be adjusted to reflect the

Notes to Financial Statements (cont'd)

estimated fair value of such securities as of the close of the NYSE, as determined in good faith by the Directors or by the Adviser using a pricing service and/or procedures approved by the Directors; and (5) investments in mutual funds, including the Morgan Stanley Institutional Liquidity Funds, are valued at the net asset value (“NAV”) as of the close of each business day.

The Directors have responsibility for determining in good faith the fair value of the investments, and the Directors may appoint others, such as the Company’s Adviser or a valuation committee, to assist the Directors in determining fair value and to make the actual calculations pursuant to the fair valuation methodologies previously approved by the Directors. Under procedures approved by the Directors, the Company’s Adviser has formed a Valuation Committee whose members are approved by the Directors. The Valuation Committee provides administration and oversight of the Company’s valuation policies and procedures, which are reviewed at least annually by the Directors. These procedures allow the Company to utilize independent pricing services, quotations from securities and financial instrument dealers and other market sources to determine fair value.

The Fund invests a significant portion of its assets in securities of REITs. The market’s perception of prospective declines in private real estate values and other financial assets may result in increased volatility of market prices that can negatively impact the valuation of certain issuers held by the Fund.

2. Fair Value Measurement: Financial Accounting Standards Board (“FASB”) Accounting Standards Codification™ (“ASC”) 820, “Fair Value Measurement” (“ASC 820”), defines fair value as the value that the Fund would receive to sell an investment or pay to transfer a liability in a timely transaction with an independent buyer in the principal market, or in the absence of a principal market, the most advantageous market for the investment or liability. ASC 820 establishes a three-tier hierarchy to distinguish between (1) inputs that reflect the assumptions market participants would use in valuing an asset or liability developed based on market data obtained from sources independent of the reporting entity (observable inputs) and (2) inputs that reflect the reporting entity’s own assumptions about the assumptions market participants would use in valuing an asset or liability developed based on the best information available in the circumstances (unobservable inputs) and to establish classification of fair value measurements for disclosure purposes. Various inputs are used in determining the value of the

Fund’s investments. The inputs are summarized in the three broad levels listed below:

- Level 1 – unadjusted quoted prices in active markets for identical investments
- Level 2 – other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)
- Level 3 – significant unobservable inputs including the Fund’s own assumptions in determining the fair value of investments. Factors considered in making this determination may include, but are not limited to, information obtained by contacting the issuer, analysts, or the appropriate stock exchange (for exchange-traded securities), analysis of the issuer’s financial statements or other available documents and, if necessary, available information concerning other securities in similar circumstances.

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities and the determination of the significance of a particular input to the fair value measurement in its entirety requires judgment and considers factors specific to each security.

The following is a summary of the inputs used to value the Fund’s investments as of December 31, 2021:

Investment Type	Level 1	Level 2	Level 3	Total
	Unadjusted quoted prices (000)	Other significant observable inputs (000)	Significant unobservable inputs (000)	
Assets:				
Common Stocks				
Apartments	\$ 56,178	\$—	\$—	\$ 56,178
Data Centers	30,712	—	—	30,712
Free Standing	25,647	—	—	25,647
Health Care	54,912	—	—	54,912
Industrial	67,806	—	—	67,806
Lodging/Resorts	8,879	—	—	8,879
Manufactured Homes	15,757	—	—	15,757
Office	21,057	—	—	21,057
Regional Malls	12,578	—	—	12,578
Self Storage	57,032	—	—	57,032
Shopping Centers	34,423	—	—	34,423
Single Family Homes	11,796	—	—	11,796
Specialty	21,127	—	—	21,127
Total Common Stocks	417,904	—	—	417,904
Short-Term Investment				
Investment Company	425	—	—	425
Total Assets	\$418,329	\$—	\$—	\$418,329

Notes to Financial Statements (cont'd)

Transfers between investment levels may occur as the markets fluctuate and/or the availability of data used in an investment's valuation changes.

3. Foreign Currency Translation and Foreign Investments:

The books and records of the Fund are maintained in U.S. dollars. Foreign currency amounts are translated into U.S. dollars as follows:

- investments, other assets and liabilities at the prevailing rate of exchange on the valuation date;
- investment transactions and investment income at the prevailing rates of exchange on the dates of such transactions.

Although the net assets of the Fund are presented at the foreign exchange rates and market values at the close of the period, the Fund does not isolate that portion of the results of operations arising as a result of changes in the foreign exchange rates from the fluctuations arising from changes in the market prices of securities held at period end. Similarly, the Fund does not isolate the effect of changes in foreign exchange rates from the fluctuations arising from changes in the market prices of securities sold during the period. Accordingly, realized and unrealized foreign currency gains (losses) on investments in securities are included in the reported net realized and unrealized gains (losses) on investment transactions and balances. However, pursuant to U.S. federal income tax regulations, gains and losses from certain foreign currency transactions and the foreign currency portion of gains and losses realized on sales and maturities of foreign denominated debt securities are treated as ordinary income for U.S. federal income tax purposes.

Net realized gains (losses) on foreign currency transactions represent net foreign exchange gains (losses) from foreign currency forward exchange contracts, disposition of foreign currencies, currency gains (losses) realized between the trade and settlement dates on securities transactions, and the difference between the amount of investment income and foreign withholding taxes recorded on the Fund's books and the U.S. dollar equivalent amounts actually received or paid. The change in unrealized currency gains (losses) on foreign currency transactions for the period is reflected in the Statement of Operations.

Foreign security and currency transactions may involve certain considerations and risks not typically associated with those of U.S. dollar denominated transactions as a result of, among other factors, fluctuations of exchange rates in relation to the U.S. dollar, the possibility of lower

levels of governmental supervision and regulation of foreign securities markets and the possibility of political or economic instability.

Governmental approval for foreign investments may be required in advance of making an investment under certain circumstances in some countries, and the extent of foreign investments in domestic companies may be subject to limitation in other countries. Foreign ownership limitations also may be imposed by the charters of individual companies to prevent, among other concerns, violations of foreign investment limitations. As a result, an additional class of shares (identified as "Foreign" in the Portfolio of Investments) may be created and offered for investment. The "local" and "foreign shares" market values may differ. In the absence of trading of the foreign shares in such markets, the Fund values the foreign shares at the closing exchange price of the local shares.

4. Securities Lending:

The Fund lends securities to qualified financial institutions, such as broker-dealers, to earn additional income. Any increase or decrease in the fair value of the securities loaned that might occur and any interest earned or dividends declared on those securities during the term of the loan would remain in the Fund. The Fund would receive cash or securities as collateral in an amount equal to or exceeding 100% of the current fair value of the loaned securities. The collateral is marked-to-market daily by State Street Bank and Trust Company ("State Street"), the securities lending agent, to ensure that a minimum of 100% collateral coverage is maintained.

Based on pre-established guidelines, the securities lending agent invests any cash collateral that is received in an affiliated money market portfolio and repurchase agreements. Securities lending income is generated from the earnings on the invested collateral and borrowing fees, less any rebates owed to the borrowers and compensation to the lending agent, and is recorded as "Income from Securities Loaned — Net" in the Fund's Statement of Operations. Risks in securities lending transactions are that a borrower may not provide additional collateral when required or return the securities when due, and that the value of the short-term investments will be less than the amount of cash collateral plus any rebate that is required to be returned to the borrower.

The Fund has the right under the securities lending agreement to recover the securities from the borrower on demand.

Notes to Financial Statements (cont'd)

At December 31, 2021, the Fund did not have any outstanding securities on loan.

5. Indemnifications: The Company enters into contracts that contain a variety of indemnifications. The Company's maximum exposure under these arrangements is unknown. However, the Company has not had prior claims or losses pursuant to these contracts and expects the risk of loss to be remote.

6. Security Transactions, Income and Expenses: Security transactions are accounted for on the trade date (date the order to buy or sell is executed). Realized gains and losses on the sale of investment securities are determined on the specific identified cost method. Dividend income and other distributions are recorded on the ex-dividend date (except for certain foreign dividends which may be recorded as soon as the Fund is informed of such dividends) net of applicable withholding taxes. Non-cash dividends received in the form of stock, if any, are recognized on the ex-dividend date and recorded as non-cash dividend income at fair value. Interest income is recognized on the accrual basis net of applicable withholding taxes except where collection is in doubt. Discounts are accreted and premiums are amortized over the life of the respective securities. Most expenses of the Company can be directly attributed to a particular Fund. Expenses which cannot be directly attributed are apportioned among the Funds based upon relative net assets or other appropriate methods. Income, expenses (other than class specific expenses) and realized and unrealized gains or losses are allocated to each class of shares based upon their relative net assets.

The Fund owns shares of REITs which report information on the source of their distributions annually in the following calendar year. A portion of distributions received from REITs during the year is estimated to be a return of capital and is recorded as a reduction of their cost.

7. Dividends and Distributions to Shareholders: Dividends and distributions to shareholders are recorded on the ex-dividend date. Dividends from net investment income, if any, are declared and paid annually. Net realized capital gains, if any, are distributed at least annually.

B. Advisory Fees: The Adviser, a wholly-owned subsidiary of Morgan Stanley, provides the Fund with advisory services under the terms of an Investment Advisory Agreement, paid quarterly, at the annual rate based on the daily net assets as follows:

First \$500 million	Next \$500 million	Over \$1 billion
0.70%	0.65%	0.60%

For the year ended December 31, 2021, the advisory fee rate (net of waiver/rebate) was equivalent to an annual effective rate of 0.54% of the Fund's average daily net assets.

The Adviser has agreed to reduce its advisory fee and/or reimburse the Fund so that total annual Fund operating expenses, excluding certain investment related expenses, taxes, interest and other extraordinary expenses (including litigation), will not exceed 0.82% for Class I shares and 1.07% for Class II shares. The fee waivers and/or expense reimbursements will continue for at least one year from the date of the Fund's prospectus or until such time as the Directors act to discontinue all or a portion of such waivers and/or reimbursements when they deem such action is appropriate. For the year ended December 31, 2021, approximately \$607,000 of advisory fees were waived pursuant to this arrangement.

C. Administration Fees: The Adviser also serves as Administrator to the Company and provides administrative services pursuant to an Administration Agreement for an annual fee, accrued daily and paid monthly, of 0.08% of the Fund's average daily net assets.

Under a Sub-Administration Agreement between the Administrator and State Street, State Street provides certain administrative services to the Company. For such services, the Administrator pays State Street a portion of the fee the Administrator receives from the Fund.

D. Servicing Fees: The Company accrues daily and pays quarterly a servicing fee of up to 0.17% of the average daily value of shares of the Fund held in an insurance company's account. Certain insurance companies have entered into a servicing agreement with the Company to provide administrative and other contract-owner related services on behalf of the Fund.

E. Distribution Fees: Morgan Stanley Distribution, Inc. ("MSDI" or the "Distributor"), a wholly-owned subsidiary of the Adviser and an indirect subsidiary of Morgan Stanley, serves as the Distributor of the Fund and provides the Fund's Class II shareholders with distribution services pursuant to a Distribution Plan (the "Plan") in accordance with Rule 12b-1 under the Act. Under the Plan, the Fund is authorized to pay the Distributor a distribution fee, which is accrued daily and paid monthly, at an annual rate of 0.25% of the Fund's average daily net assets attributable to Class II shares.

F. Dividend Disbursing and Transfer Agent: The Company's dividend disbursing and transfer agent is DST Asset Manager Solutions, Inc. ("DST"). Pursuant to a Transfer Agency Agreement, the Company pays DST a fee based on the number of classes, accounts and transactions relating to the Funds of the Company.

Notes to Financial Statements (cont'd)

G. Custodian Fees: State Street (the “Custodian”) also serves as Custodian for the Company in accordance with a Custodian Agreement. The Custodian holds cash, securities and other assets of the Company as required by the Act. Custody fees are payable monthly based on assets held in custody, investment purchases and sales activity and account maintenance fees, plus reimbursement for certain out-of-pocket expenses.

H. Security Transactions and Transactions with Affiliates: For the year ended December 31, 2021, purchases and sales of investment securities for the Fund, other than long-term U.S. Government securities and short-term investments were approximately \$488,970,000 and \$541,828,000, respectively. There were no purchases and sales of long-term U.S. Government securities for the year ended December 31, 2021.

The Fund invests in the Institutional Class of the Morgan Stanley Institutional Liquidity Funds — Treasury Portfolio (the “Liquidity Funds”), an open-end management investment company managed by the Adviser, both directly and as a portion of the securities held as collateral on loaned securities. Advisory fees paid by the Fund are reduced by an amount equal to its pro-rata share of the advisory and administration fees paid by the Fund due to its investment in the Liquidity Funds. For the year ended December 31, 2021, advisory fees paid were reduced by approximately \$2,000 relating to the Fund’s investment in the Liquidity Funds.

A summary of the Fund’s transactions in shares of affiliated investments during the year ended December 31, 2021 is as follows:

Affiliated Investment Company	Value December 31, 2020 (000)	Purchases at Cost (000)	Proceeds from Sales (000)	Dividend Income (000)
Liquidity Funds	\$5,321	\$129,473	\$134,369	\$— [@]

Affiliated Investment Company (cont'd)	Realized Gain (Loss) (000)	Change in Unrealized Appreciation (Depreciation) (000)	Value December 31, 2021 (000)
Liquidity Funds	\$—	\$—	\$425

[@] Amount is less than \$500.

The Fund is permitted to purchase and sell securities (“cross-trade”) from and to other Morgan Stanley funds as well as other funds and client accounts for which the Adviser or an affiliate of the Adviser serves as investment adviser, pursuant to procedures approved by the Directors in compliance with

Rule 17a-7 under the Act (the “Rule”). Each cross-trade is executed at the current market price in compliance with provisions of the Rule. For the year ended December 31, 2021, the Fund did not engage in any cross-trade transactions.

The Fund has an unfunded Deferred Compensation Plan (the “Compensation Plan”), which allows each independent Director to defer payment of all, or a portion, of the fees he or she receives for serving on the Board of Directors. Each eligible Director generally may elect to have the deferred amounts credited with a return equal to the total return on one or more of the Morgan Stanley funds that are offered as investment options under the Compensation Plan. Appreciation/depreciation and distributions received from these investments are recorded with an offsetting increase/decrease in the deferred compensation obligation and do not affect the NAV of the Fund.

I. Federal Income Taxes: It is the Fund’s intention to continue to qualify as a regulated investment company and distribute all of its taxable and tax-exempt income. Accordingly, no provision for federal income taxes is required in the financial statements.

The Fund may be subject to taxes imposed by countries in which it invests. Such taxes are generally based on income and/or capital gains earned or repatriated. Taxes are accrued based on net investment income, net realized gains and net unrealized appreciation as such income and/or gains are earned. Taxes may also be based on transactions in foreign currency and are accrued based on the value of investments denominated in such currency.

FASB ASC 740-10, “Income Taxes — Overall”, sets forth a minimum threshold for financial statement recognition of the benefit of a tax position taken or expected to be taken in a tax return. Management has concluded there are no significant uncertain tax positions that would require recognition in the financial statements. If applicable, the Fund recognizes interest accrued related to unrecognized tax benefits in “Interest Expense” and penalties in “Other Expenses” in the Statement of Operations. The Fund files tax returns with the U.S. Internal Revenue Service, New York and various states. Generally, each of the tax years in the four-year period ended December 31, 2021 remains subject to examination by taxing authorities.

The tax character of distributions paid may differ from the character of distributions shown for GAAP purposes due to short-term capital gains being treated as ordinary income for

Notes to Financial Statements (cont'd)

tax purposes. The tax character of distributions paid during fiscal years 2021 and 2020 was as follows:

2021 Distributions Paid From:		2020 Distributions Paid From:	
Ordinary Income (000)	Long-Term Capital Gain (000)	Ordinary Income (000)	Long-Term Capital Gain (000)
\$7,396	\$—	\$9,512	\$9,477

The amount and character of income and gains to be distributed are determined in accordance with income tax regulations which may differ from GAAP. These book/tax differences are either considered temporary or permanent in nature.

Temporary differences are attributable to differing book and tax treatments for the timing of the recognition of gains (losses) on certain investment transactions and the timing of the deductibility of certain expenses.

The Fund had no permanent differences causing reclassifications among the components of net assets for the year ended December 31, 2021.

At December 31, 2021, the components of distributable earnings for the Fund on a tax basis were as follows:

Undistributed Ordinary Income (000)	Undistributed Long-Term Capital Gain (000)
\$33,500	\$43,031

During the year ended December 31, 2021, the Fund utilized capital loss carryforwards for U.S. federal income tax purposes of approximately \$35,808,000.

J. Credit Facility: The Company and other Morgan Stanley funds participated in a \$300,000,000 committed, unsecured revolving line of credit facility (the “Facility”) with State Street. This Facility is to be used for temporary emergency purposes or funding of shareholder redemption requests. The interest rate on borrowings is based on the federal funds rate or 1 month LIBOR rate plus a spread. Effective April 19, 2021, the interest rate on borrowings is based on the federal funds effective rate or overnight bank funding rate plus a spread. The Facility also has a commitment fee of 0.25% per annum based on the unused portion of the Facility. During the year ended December 31, 2021, the Fund did not have any borrowings under the Facility.

K. Other: At December 31, 2021, the Fund had record owners of 10% or greater. Investment activities of these shareholders could have a material impact on the Fund. The aggregate percentage of such owners was 62.6%.

L. Market Risk: The outbreak of the coronavirus (“COVID-19”) and the recovery responses could adversely

impact the operations of the Fund and its service providers and financial performance of the Fund and the Fund’s investments. The extent of such impact depends on future developments, including (i) the duration and spread of the outbreak, (ii) the restrictions and advisories, (iii) the effects on the financial markets, (iv) government and regulatory responses, and (v) the effects on the economy overall as a result of developments such as disruption to consumer demand, economic output and supply chains. The duration and extent of COVID-19 and associated economic and market conditions and uncertainty over the long term cannot be reasonably estimated at this time. The ultimate impact of COVID-19 and the extent to which the associated conditions impact the Fund will also depend on future developments, which are highly uncertain, difficult to accurately predict and subject to change at any time. If the financial performance of the Fund’s investments is impacted because of these factors for an extended period, the Fund’s investment results may be adversely affected.

Report of Independent Registered Public Accounting Firm

To the Shareholders and Board of Directors of
Morgan Stanley Variable Insurance Fund, Inc. —
U.S. Real Estate Portfolio

Opinion on the Financial Statements

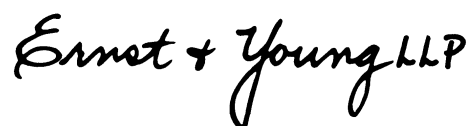
We have audited the accompanying statement of assets and liabilities of U.S. Real Estate Portfolio (the “Fund”) (one of the funds constituting Morgan Stanley Variable Insurance Fund, Inc. (the “Company”)), including the portfolio of investments, as of December 31, 2021, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, the financial highlights for each of the five years in the period then ended and the related notes (collectively referred to as the “financial statements”). In our opinion, the financial statements present fairly, in all material respects, the financial position of U.S. Real Estate Portfolio (one of the funds constituting Morgan Stanley Variable Insurance Fund, Inc.) at December 31, 2021, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended and its financial highlights for each of the five years in the period then ended, in conformity with U.S. generally accepted accounting principles.

Basis for Opinion

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

We conducted our audits 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. The Company is not required to have, nor were we engaged to perform, an audit of the Company’s internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting, but not for the purpose of expressing an opinion on the effectiveness of the Company’s internal control over financial reporting. Accordingly, we express no such opinion.

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 procedures included confirmation of securities owned as of December 31, 2021 by correspondence with the custodian and others or by other appropriate auditing procedures where replies from others were not received. 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. We believe that our audits provide a reasonable basis for our opinion.

The logo for Ernst & Young LLP, featuring the company name in a stylized, handwritten-style script.

We have served as the auditor of one or more Morgan Stanley investment companies since 2000.
Boston, Massachusetts
February 18, 2022

Liquidity Risk Management Program (unaudited)

In compliance with Rule 22e-4 under the Investment Company Act of 1940, as amended (the “Liquidity Rule”), the Fund has adopted and implemented a liquidity risk management program (the “Program”), which is reasonably designed to assess and manage the risk that the Fund could not meet requests to redeem shares issued by the Fund without significant dilution of remaining investors’ interests in the Fund (i.e., liquidity risk). The Fund’s Board of Directors (the “Board”) previously approved the designation of the Liquidity Risk Subcommittee (the “LRS”) as Program administrator. The LRS is comprised of representatives from various divisions within Morgan Stanley Investment Management.

At a meeting held on March 3-4, 2021, the Board reviewed a written report prepared by the LRS that addressed the Program’s operation and assessed its adequacy, and effectiveness of implementation for the period from January 1, 2020, through December 31, 2020, as required under the Liquidity Rule, and discussed the impact of the COVID-19 pandemic on liquidity and the LRS’s assessment of liquidity risk during the reporting period, including during the distressed market environment caused by the onset of the COVID-19 pandemic. The report concluded that the Program operated effectively and was adequately and effectively implemented in all material aspects, and that the relevant controls and safeguards were appropriately designed to enable the LRS to administer the Program in compliance with the Liquidity Rule.

In accordance with the Program, the LRS assessed each Fund’s liquidity risk no less frequently than annually taking into consideration certain factors, as applicable, such as (i) investment strategy and liquidity of portfolio investments, (ii) short-term and long-term cash flow projections and (iii) holdings of cash and cash equivalents and borrowing arrangements and other funding sources. Certain factors are considered under both normal and reasonably foreseeable stressed conditions.

Each Fund portfolio investment is classified into one of four liquidity categories, which classification is assessed at least monthly by the LRS. The classification is based on a determination of the number of days it is reasonably expected to take to convert the investment into cash, or sell or dispose of the investment, in current market conditions without significantly changing the market value of the investment. Liquidity classification determinations take into account various market, trading and investment-specific considerations, as well as market depth, and in some cases utilize third-party vendor data.

The Liquidity Rule limits a fund’s investments in illiquid investments to 15% of its net assets and requires funds that do not primarily hold assets that are highly liquid investments to determine and maintain a minimum percentage of the fund’s net assets to be invested in highly liquid investments (highly liquid investment minimum or “HLIM”). The LRS believes that the Program includes provisions reasonably designed to review, monitor and comply with the 15% limit on illiquid investments and for determining, periodically reviewing and complying with the HLIM requirement, as applicable.

There can be no assurance that the Program will achieve its objectives under all circumstances in the future. Please refer to the Fund’s prospectus for more information regarding the Fund’s exposure to liquidity risk and other risks to which it may be subject.

Federal Tax Notice (unaudited)

For federal income tax purposes, the following information is furnished with respect to the distributions paid by the Fund during its taxable year ended December 31, 2021.

The Fund designated approximately \$6,518,000 of its distributions paid as qualified business income.

In January, the Fund provides tax information to shareholders for the preceding calendar year.

Director and Officer Information (unaudited)

Independent Directors:

Name, Address and Birth Year of Independent Director	Position(s) Held with Registrant	Length of Time Served*	Principal Occupation(s) During Past 5 Years and Other Relevant Professional Experience	Number of Funds in Fund Complex Overseen by Independent Director**	Other Directorships Held by Independent Director During Past 5 Years***
Frank L. Bowman c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1944	Director	Since August 2006	President, Strategic Decisions, LLC (consulting) (since February 2009); Director or Trustee of various Morgan Stanley Funds (since August 2006); Chairperson of the Compliance and Insurance Committee (since October 2015); formerly, Chairperson of the Insurance Sub-Committee of the Compliance and Insurance Committee (2007-2015); served as President and Chief Executive Officer of the Nuclear Energy Institute (policy organization) (February 2005-November 2008); retired as Admiral, U.S. Navy after serving over 38 years on active duty including 8 years as Director of the Naval Nuclear Propulsion Program in the Department of the Navy and the U.S. Department of Energy (1996-2004); served as Chief of Naval Personnel (July 1994-September 1996) and on the Joint Staff as Director of Political Military Affairs (June 1992-July 1994); knighted as Honorary Knight Commander of the Most Excellent Order of the British Empire; awarded the Officier de l'Orde National du Mérite by the French Government; elected to the National Academy of Engineering (2009).	77	Director of Naval and Nuclear Technologies LLP; Director Emeritus of the Armed Services YMCA; Member of the National Security Advisory Council of the Center for U.S. Global Engagement and a member of the CNA Military Advisory Board; Chairman of Fairhaven United Methodist Church; Member of the Board of Advisors of the Dolphin Scholarship Foundation; Director of other various nonprofit organizations; formerly, Director of BP, plc (November 2010-May 2019).
Kathleen A. Dennis c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1953	Director	Since August 2006	Chairperson of the Governance Committee (since January 2021), Chairperson of the Liquidity and Alternatives Sub-Committee of the Investment Committee (2006-2020) and Director or Trustee of various Morgan Stanley Funds (since August 2006); President, Cedarwood Associates (mutual fund and investment management consulting) (since July 2006); formerly, Senior Managing Director of Victory Capital Management (1993-2006).	77	Board Member, University of Albany Foundation (2012-present); Board Member, Mutual Funds Directors Forum (2014-present); Director of various non-profit organizations.
Nancy C. Everett c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1955	Director	Since January 2015	Chairperson of the Equity Investment Committee (since January 2021); Director or Trustee of various Morgan Stanley Funds (since January 2015); Chief Executive Officer, Virginia Commonwealth University Investment Company (since November 2015); Owner, OBIR, LLC (institutional investment management consulting) (since June 2014); formerly, Managing Director, BlackRock, Inc. (February 2011-December 2013) and Chief Executive Officer, General Motors Asset Management (a/k/a Promark Global Advisors, Inc.) (June 2005-May 2010).	78	Formerly, Member of Virginia Commonwealth University School of Business Foundation (2005-2016); Member of Virginia Commonwealth University Board of Visitors (2013-2015); Member of Committee on Directors for Emerging Markets Growth Fund, Inc. (2007-2010); Chairperson of Performance Equity Management, LLC (2006-2010); and Chairperson, GMAM Absolute Return Strategies Fund, LLC (2006-2010).

Director and Officer Information (unaudited) (cont'd)

Independent Directors (cont'd):

Name, Address and Birth Year of Independent Director	Position(s) Held with Registrant	Length of Time Served*	Principal Occupation(s) During Past 5 Years and Other Relevant Professional Experience	Number of Funds in Fund Complex Overseen by Independent Director**	Other Directorships Held by Independent Director During Past 5 Years***
Jakki L. Haussler c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1957	Director	Since January 2015	Director or Trustee of various Morgan Stanley Funds (since January 2015); Chairman, Opus Capital Group (since 1996); formerly, Chief Executive Officer, Opus Capital Group (1996-2019); Director, Capvest Venture Fund, LP (May 2000-December 2011); Partner, Adena Ventures, LP (July 1999-December 2010); Director, The Victory Funds (February 2005-July 2008).	78	Director, Barnes Group Inc. (since July 2021); Director of Cincinnati Bell Inc. and Member, Audit Committee and Chairman, Governance and Nominating Committee; Director of Service Corporation International and Member, Audit Committee and Investment Committee; Director of Northern Kentucky University Foundation and Member, Investment Committee; Member of Chase College of Law Transactional Law Practice Center Board of Advisors; Director of Best Transport; Director of Chase College of Law Board of Visitors; formerly, Member, University of Cincinnati Foundation Investment Committee; Member, Miami University Board of Visitors (2008-2011); Trustee of Victory Funds (2005-2008) and Chairman, Investment Committee (2007-2008) and Member, Service Provider Committee (2005-2008).
Dr. Manuel H. Johnson c/o Johnson Smick International, Inc. 220 I Street, NE Suite 200 Washington, D.C. 20002 Birth Year: 1949	Director	Since July 1991	Senior Partner, Johnson Smick International, Inc. (consulting firm); Chairperson of the Fixed Income, Liquidity and Alternatives Investment Committee (since January 2021), Chairperson of the Investment Committee (2006-2020) and Director or Trustee of various Morgan Stanley Funds (since July 1991); Co-Chairman and a founder of the Group of Seven Council (G7C) (international economic commission); formerly, Chairperson of the Audit Committee (July 1991-September 2006); Vice Chairman of the Board of Governors of the Federal Reserve System and Assistant Secretary of the U.S. Treasury.	77	Director of NVR, Inc. (home construction).
Joseph J. Kearns c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1942	Director	Since August 1994	Senior Adviser, Kearns & Associates LLC (investment consulting); Chairperson of the Audit Committee (since October 2006) and Director or Trustee of various Morgan Stanley Funds (since August 1994); formerly, Deputy Chairperson of the Audit Committee (July 2003-September 2006) and Chairperson of the Audit Committee of various Morgan Stanley Funds (since August 1994); CFO of the J. Paul Getty Trust (1982-1999).	78	Director, Rubicon Investments (since February 2019); Prior to August 2016, Director of Electro Rent Corporation (equipment leasing); Prior to December 31, 2013, Director of The Ford Family Foundation.
Michael F. Klein c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1958	Director	Since August 2006	Chairperson of the Risk Committee (since January 2021); Managing Director, Aetos Alternatives Management, LP (since March 2000); Co-President, Aetos Alternatives Management, LP (since January 2004) and Co-Chief Executive Officer of Aetos Alternatives Management, LP (since August 2013); Chairperson of the Fixed Income Sub-Committee of the Investment Committee (2006-2020) and Director or Trustee of various Morgan Stanley Funds (since August 2006); formerly, Managing Director, Morgan Stanley & Co. Inc. and Morgan Stanley Dean Witter Investment Management and President, various Morgan Stanley Funds (June 1998-March 2000); Principal, Morgan Stanley & Co. Inc. and Morgan Stanley Dean Witter Investment Management (August 1997-December 1999).	77	Director of certain investment funds managed or sponsored by Aetos Alternatives Management, LP; Director of Sanitized AG and Sanitized Marketing AG (specialty chemicals).

Director and Officer Information (unaudited) (cont'd)

Independent Directors (cont'd):

Name, Address and Birth Year of Independent Director	Position(s) Held with Registrant	Length of Time Served*	Principal Occupation(s) During Past 5 Years and Other Relevant Professional Experience	Number of Funds in Fund Complex Overseen by Independent Director**	Other Directorships Held by Independent Director During Past 5 Years***
Patricia A. Maleski c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1960	Director	Since January 2017	Director or Trustee of various Morgan Stanley Funds (since January 2017); Managing Director, JPMorgan Asset Management (2004-2016); Oversight and Control Head of Fiduciary and Conflicts of Interest Program (2015-2016); Chief Control Officer — Global Asset Management (2013-2015); President, JPMorgan Funds (2010-2013); Chief Administrative Officer (2004-2013); various other positions including Treasurer and Board Liaison (since 2001).	78	Trustee, Nutley Family Service Bureau, Inc. (since January 2022).
W. Allen Reed c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1947	Chair of the Board and Director	Chair of the Board since August 2020 and Director since August 2006	Chair of the Boards of various Morgan Stanley Funds (since August 2020); Director or Trustee of various Morgan Stanley Funds (since August 2006); formerly, Vice Chair of the Boards of various Morgan Stanley Funds (January 2020-August 2020); President and Chief Executive Officer of General Motors Asset Management; Chairman and Chief Executive Officer of the GM Trust Bank and Corporate Vice President of General Motors Corporation (August 1994-December 2005).	77	Formerly, Director of Legg Mason, Inc. (2006-2019); and Director of the Auburn University Foundation (2010-2015).
Frances L. Cashman c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1961	Advisory Board Member	Advisory Board Member Since January 2022	Chief Executive Officer, Asset Management Division, Euromoney Institutional Investor PLC (financial information) (May 2021-Present); Executive Vice President and various other roles, Legg Mason & Co. (asset management) (2010-2020); Managing Director, Stifel Nicolaus (2005-2010).	78	Trustee and Investment Committee Member, Georgia Tech Foundation (Since June 2019); Trustee and Chair of Marketing Committee, Loyola Blakefield (Since September 2017); Trustee, MMI Gateway Foundation (since September 2017); Director and Investment Committee Member, Catholic Community Foundation Board (2012-2018); Director and Investment Committee Member, St. Ignatius Loyola Academy (2011-2017).
Eddie A. Grier c/o Perkins Coie LLP Counsel to the Independent Directors 1155 Avenue of the Americas 22nd Floor New York, NY 10036 Birth Year: 1955	Advisory Board Member	Advisory Board Member Since January 2022	Dean, Santa Clara University Leavey School of Business (since April 2021); Dean, Virginia Commonwealth University School of Business (2010-2021); President and various other roles, Walt Disney Company (entertainment and media) (1981-2010).	78	Director, Witt/Keiffer, Inc. (executive search) (since 2016); Director, NuStar GP, LLC (energy) (since August 2021); Director, Sonida Senior Living, Inc. (residential community operator) (2016-2021); Director, NVR, Inc. (homebuilding) (2013-2020); Director, Middleburg Trust Company (wealth management) (2014-2019); Director, Colonial Williamsburg Company (since 2012); Regent, University of Massachusetts Global (since 2021); Director and Chair, ChildFund International (2012-2021); Trustee, Brandman University (2010-2021); Director, Richmond Forum (2012-2019).

* This is the earliest date the Director began serving the Morgan Stanley Funds. Each Director serves an indefinite term, until his or her successor is elected.

** The Fund Complex includes (as of December 31, 2021) all open-end and closed-end funds (including all of their portfolios) advised by Morgan Stanley Investment Management Inc. (the "Adviser") and any funds that have an adviser that is an affiliated person of the Adviser (including, but not limited to, Morgan Stanley AIP GP LP).

*** This includes any directorships at public companies and registered investment companies held by the Director at any time during the past five years.

Director and Officer Information (unaudited) (cont'd)

Executive Officers:

Name, Address and Birth Year of Executive Officer	Position(s) Held with Registrant	Length of Time Served*	Principal Occupation(s) During Past 5 Years
John H. Gernon 522 Fifth Avenue New York, NY 10036 Birth Year: 1963	President and Principal Executive Officer	Since September 2013	President and Principal Executive Officer of the Equity and Fixed Income Funds and the Morgan Stanley AIP Funds (since September 2013) and the Liquidity Funds and various money market funds (since May 2014) in the Fund Complex; Managing Director of the Adviser.
Deidre A. Downes 1633 Broadway New York, NY 10019 Birth Year: 1977	Chief Compliance Officer	Since November 2021	Executive Director of the Adviser (since January 2021) and Chief Compliance Officer of various Morgan Stanley Funds (since November 2021). Formerly, Vice President and Corporate Counsel at PGIM and Prudential Financial (October 2016-December 2020).
Francis J. Smith 522 Fifth Avenue New York, NY 10036 Birth Year: 1965	Treasurer and Principal Financial Officer	Treasurer since July 2003 and Principal Financial Officer since September 2002	Managing Director of the Adviser and various entities affiliated with the Adviser; Treasurer (since July 2003) and Principal Financial Officer of various Morgan Stanley Funds (since September 2002).
Mary E. Mullin 1633 Broadway New York, NY 10019 Birth Year: 1967	Secretary	Since June 1999	Managing Director of the Adviser; Secretary of various Morgan Stanley Funds (since June 1999).
Michael J. Key 522 Fifth Avenue New York, NY 10036 Birth Year: 1979	Vice President	Since June 2017	Vice President of the Equity and Fixed Income Funds, Liquidity Funds, various money market funds and the Morgan Stanley AIP Funds in the Fund Complex (since June 2017); Executive Director of the Adviser; Head of Product Development for Equity and Fixed Income Funds (since August 2013).

* This is the earliest date the officer began serving the Morgan Stanley Funds. Each officer serves an indefinite term, until his or her successor is elected.

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Adviser and Administrator

Morgan Stanley Investment Management Inc.
522 Fifth Avenue
New York, New York 10036

Distributor

Morgan Stanley Distribution, Inc.
522 Fifth Avenue
New York, New York 10036

Dividend Disbursing and Transfer Agent

DST Asset Manager Solutions, Inc.
2000 Crown Colony Drive
Quincy, Massachusetts 02169

Custodian

State Street Bank and Trust Company
One Lincoln Street
Boston, Massachusetts 02111

Reporting to Shareholders

Each Morgan Stanley fund provides a complete schedule of portfolio holdings in its Semi-Annual and the Annual Reports within 60 days of the end of the fund's second and fourth fiscal quarters. The Semi-Annual and Annual Reports are filed electronically with the Securities and Exchange Commission ("SEC") on Form N-CSRS and Form N-CSR, respectively. Morgan Stanley also delivers the Semi-Annual and Annual Reports to fund shareholders and makes these reports available on its public website, www.morganstanley.com/im/shareholderreports. Each Morgan Stanley non-money market fund also files a complete schedule of portfolio holdings with the SEC for the fund's first and third fiscal quarters as an attachment to Form N-PORT. Morgan Stanley does not deliver the reports for the first and third fiscal quarters to shareholders, but makes the complete schedule of portfolio holdings for the fund's first and third fiscal quarters available on its public website. The holdings for each money market fund are also posted to the Morgan Stanley public website. You may obtain the Form N-PORT filings (as well as the Form N-CSR and N-CSRS filings) by accessing the SEC's website, www.sec.gov. You can also request copies of these materials, upon payment of a duplicating fee, by electronic request at the SEC's email address (publicinfo@sec.gov).

Proxy Voting Policies and Procedures and Proxy Voting Record

You may obtain a copy of the Company's Proxy Voting Policy and Procedures and information regarding how the Company voted proxies relating to portfolio securities during the most recent twelve-month period ended June 30, without charge, upon request, by calling toll free 1 (800) 548-7786 or by visiting our website at www.morganstanley.com/im/shareholderreports. This information is also available on the SEC's website at www.sec.gov.

This report is submitted for the general information of the shareholders of the Fund. For more detailed information about the Fund, its fees and expenses and other pertinent information, please read its Prospectus. The Company's Statement of Additional Information contains additional information about the Fund, including its Directors. It is available, without charge, by calling 1 (800) 548-7786.

Householding Notice

To reduce printing and mailing costs, the Fund attempts to eliminate duplicate mailings to the same address. The Fund delivers a single copy of certain shareholder documents, including shareholder reports, prospectuses and proxy materials, to investors with the same last name who reside at the same address. Your participation in this program will continue for an unlimited period of time unless you instruct us otherwise. You can request multiple copies of these documents by calling (800) 548-7786, 8:00 a.m. to 6:00 p.m., ET. Once our Customer Service Center has received your instructions, we will begin sending individual copies for each account within 30 days.

This report is not authorized for distribution to prospective investors in the Fund unless preceded or accompanied by an effective Prospectus. Read the Prospectus carefully before investing.

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Independent Registered Public Accounting Firm

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Variable Portfolio Funds

70100 Ameriprise Financial Center
Minneapolis, MN 55474