Morgan Stanley

Morgan Stanley Variable Insurance Fund, Inc.

Annual Report – December 31, 2020

Emerging Markets Debt 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.

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Expense Example (unaudited)

Emerging Markets Debt Portfolio

As a shareholder of the Emerging Markets Debt 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, 2020 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 7/1/20	Actual Ending Account Value 12/31/20	Hypothetical Ending Account Value	Actual Expenses Paid During Period*	Hypothetical Expenses Paid During Period*	Net Expense Ratio During Period**
Emerging Markets Debt Portfolio Class I	$1,000.00	$1,095.40	$1,019.36	$6.06	$5.84	1.15%
Emerging Markets Debt Portfolio Class II	1,000.00	1,094.20	1,019.10	6.32	6.09	1.20

* 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 184/366 (to reflect the most recent one-half year period).

** Annualized.

Investment Overview (unaudited)

Emerging Markets Debt Portfolio

The Fund seeks high total return by investing primarily in fixed income securities of government and government related issuers and, to a lesser extent, of corporate issuers in emerging market countries.

Performance

For the fiscal year ended December 31, 2020, the Fund's Class I shares had a total return based on net asset value and reinvestment of distributions per share of 5.55%, net of fees, and 5.53%, net of fees, for Class II shares. The Fund's Class I and Class II shares outperformed the Fund's benchmark, the J.P. Morgan Emerging Markets Bond Global Diversified Index (the "Index"), which returned 5.26%.

Factors Affecting Performance

- Extraordinary times were matched by extraordinary price action across markets in the first quarter of 2020, and movements in emerging market (EM) debt were no exception. Risk markets registered new historic lows in March 2020 and wiped out gains from January and February 2020. EM assets were struck by a combination of the global slowdown in response to COVID-19, and the drop in oil prices, due to both demand destruction and supply-side frictions between Saudi Arabia and Russia. Given the overall uncertainty, we expected price volatility to remain elevated as the negative news accompanying the pandemic worked its way around the world and influenced investment flows, and liquidity constraints, which were exacerbated by widely adopted work-from-home arrangements. As such, where possible, we took steps to pare risk in the more vulnerable countries (where fiscal dynamics limit a strong COVID-19 response), certain sectors (the more obvious being energy and commodity-related) and individual high yield issuers that struggled to pass our stress tests. Later in the period, risk appetite began to rebound in April 2020, with September 2020 being the first month since the spring during which risk aversion drove price action. While economic data improved in the second half of the year, it lost some of the momentum built up over the summer in September, as rising levels of infection stoked fears of greater restrictions and the consequent economic damage. However, EM rebounded in October given continued expectations of monetary and fiscal support for markets, optimism regarding a potential coronavirus vaccine, and better-than-expected third quarter 2020 corporate earnings. In November, the market reacted positively to the U.S. election result, pricing out odds of a contested election scenario and focusing on the perception that a Biden administration would lead to more predictable and multilateral policymaking. Risk-on sentiment kept driving price action in December, supported by the ongoing policy support, vaccine approvals and the avoidance of a "no-deal" Brexit.
- In an environment of supportive monetary policy driven by central bank interest rate cuts, higher-rated and longer-duration bonds from countries in Asia, Africa and Europe led the way, while those from Latin America and the Middle East lagged. In particular, bonds from Uruguay, Tajikistan, the Dominican Republic and Guatemala outperformed the most, while bonds from Serbia, Venezuela, Lebanon and Ecuador lagged.
- For the year, allocation across and security selection within countries was beneficial to relative performance. This was especially true in Argentina, Egypt, Lebanon and Brazil. Underweight positions in Sri Lanka and Lebanon, along with overweight positions in the Dominican Republic and Brazil, also added to relative performance. Conversely, overweight positions and security selection in Ecuador and Ukraine detracted, as did the overweight positions in Venezuela.

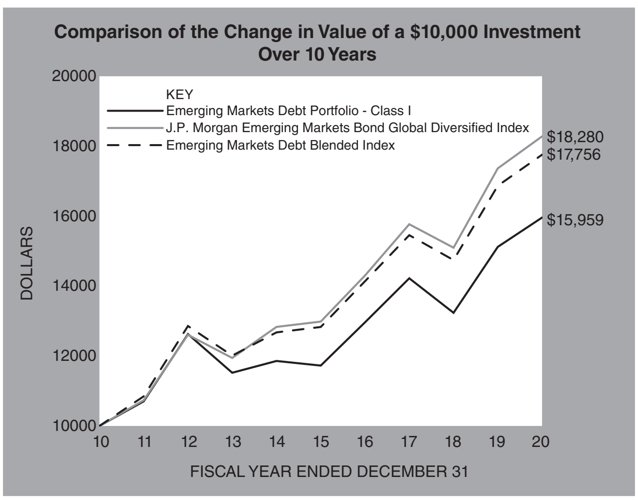
Management Strategies

- Conditions for EM debt outperformance in the near term appear to be in place, despite the recent tightening of lockdown measures around the world in response to a rapid increase in infections and the emergence of more contagious strains of the COVID-19 virus. Our constructive view on risk assets is predicated on a global backdrop of steady, extended monetary accommodation, an ongoing rollout of multiple vaccines in the developed world (and parts of EM), and expectations of looser fiscal policy under the incoming Biden administration. Therefore, we believe high yield credit, EM currencies and local currency high-yielders may outperform investment grade counterparts, which have less valuation cushion and are vulnerable to a potential steepening of developed market yield curves. Moreover, the incoming U.S. administration, by signaling a more cooperative and multilateral foreign policy stance, may alleviate trade tensions and support global trade, thus further supporting EM assets. Finally, the weak U.S. dollar consensus view, if proven accurate, would further strengthen the case in favor of EM currencies.
- Notwithstanding our constructive outlook for the asset class, we highlight potential risks. First, a delayed deployment of vaccines in EM would demand a more protracted policy support by governments, exacerbating

Investment Overview (unaudited) (cont'd)

Emerging Markets Debt Portfolio

fiscal and debt sustainability concerns. Therefore, the potential for debt restructurings and defaults is non-negligible, though in our view, these would not pose a systemic risk for the asset class. More generally, a delayed transition to fiscal consolidation, whether it is caused by logistical hurdles in deploying vaccines in EM or by governments' reluctance to incur the political cost of fiscal austerity, may prompt the market to demand higher risk premiums in EM fixed income assets. Finally, potentially excessive optimism about reduced trade frictions under a Biden administration (particularly in U.S.-China relations) could challenge our positive scenarios for global trade and growth, and thus negatively impact the performance of growth-sensitive EM assets.



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 J.P. Morgan Emerging Markets Bond Global Diversified Index[1], and the Emerging Markets Debt Blended Index[2]

	Period Ended December 31, 2020			
	Total Returns[3]			
		Average Annual		
	One Year	Five Years	Ten Years	Since Inception[6]
Fund – Class I[4]	5.55%	6.36%	4.79%	6.62%
J.P. Morgan Emerging Markets Bond Global Diversified Index	5.26	7.08	6.22	8.19
Emerging Markets Debt Blended Index	5.26	6.71	5.91	7.91
Fund – Class II[5]	5.53	6.30	4.72	7.33
J.P. Morgan Emerging Markets Bond Global Diversified Index	5.26	7.08	6.22	8.19
Emerging Markets Debt Blended Index	5.26	6.71	5.91	8.21

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.

(1) The J.P. Morgan Emerging Markets Bond Global Diversified Index tracks total returns for U.S. dollar-denominated debt instruments issued by emerging markets sovereign and quasi-sovereign entities: Brady Bonds, loans, Eurobonds and local market instruments for emerging market countries but limits the weights of countries with larger debt stocks by only including a specified portion of these countries' eligible current face amounts of debt outstanding. 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 Emerging Markets Debts Blended Index is a performance linked benchmark of old and new benchmark of the Fund. Old benchmark represented by J.P. Morgan Emerging Markets Bond Global Index (benchmark that tracks total returns for U.S. dollar-denominated debt instruments issued by emerging markets sovereign and quasi-sovereign entities) from the Fund's inception to December 31, 2019, and the new benchmark represented by J.P. Morgan Emerging Markets Bond Global Diversified Index for periods thereafter. 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 June 16, 1997.

(5) Commenced offering on December 19, 2002.

(6) For comparative purposes, average annual since inception returns listed for the Index refers to the inception date or initial offering of the respective share class of the Fund, not the inception of the Index.

Portfolio of Investments

Emerging Markets Debt Portfolio

	Face Amount (000)	Value (000)
Fixed Income Securities (97.0%)		
Angola (1.1%)		
Sovereign (1.1%)		
Angolan Government International Bond, 8.00%, 11/26/29 (a)(b)	$ 990	$ 933
9.38%, 5/8/48 (a)	890	842
		1,775
Argentina (1.6%)		
Corporate Bonds (1.2%)		
Province of Santa Fe, 6.90%, 11/1/27 (a)	1,210	835
Provincia de Cordoba, 7.45%, 9/1/24 (a)	440	275
Provincia de Entre Rios Argentina, 8.75%, 2/8/25 (a)(c)(d)	1,470	845
		1,955
Sovereign (0.4%)		
Argentine Republic Government International Bond, 0.13%, 7/9/30 - 7/9/35 (e)	1,476	573
1.00%, 7/9/29	148	65
		638
		2,593
Armenia (0.5%)		
Sovereign (0.5%)		
Republic of Armenia International Bond, 3.95%, 9/26/29	460	466
7.15%, 3/26/25	370	428
		894
Azerbaijan (0.9%)		
Sovereign (0.9%)		
Republic of Azerbaijan International Bond, 3.50%, 9/1/32	1,460	1,549
Bahrain (1.1%)		
Sovereign (1.1%)		
Bahrain Government International Bond, 7.50%, 9/20/47	1,530	1,802
Belarus (0.8%)		
Sovereign (0.8%)		
Republic of Belarus International Bond, 6.20%, 2/28/30 (a)	720	731
Republic of Belarus Ministry of Finance, 6.38%, 2/24/31 (a)	550	561
		1,292
Brazil (5.5%)		
Corporate Bonds (2.8%)		
Braskem Netherlands Finance BV, 4.50%, 1/31/30 (a)	1,030	1,059
CSN Islands XI Corp., 6.75%, 1/28/28 (a)	1,130	1,225
Minerva Luxembourg SA, 5.88%, 1/19/28 (a)(b)	710	767

	Face Amount (000)	Value (000)
Petrobras Global Finance BV, 5.09%, 1/15/30	$ 449	$ 502
6.75%, 6/3/50	320	398
Rumo Luxembourg Sarl, 7.38%, 2/9/24	452	470
Suzano Austria GmbH, 3.75%, 1/15/31	175	186
		4,607
Sovereign (2.7%)		
Brazilian Government International Bond, 3.88%, 6/12/30 (b)	460	486
4.50%, 5/30/29	420	468
5.00%, 1/27/45	1,739	1,938
6.00%, 4/7/26	1,250	1,504
		4,396
		9,003
Chile (2.0%)		
Corporate Bond (0.7%)		
Colbun SA, 3.15%, 3/6/30 (a)	990	1,069
Sovereign (1.3%)		
Chile Government International Bond, 3.50%, 1/25/50	900	1,036
3.86%, 6/21/47	230	281
Empresa Nacional del Petroleo, 4.75%, 12/6/21	761	789
		2,106
		3,175
China (4.3%)		
Corporate Bond (0.6%)		
Fufeng Group Ltd., 5.88%, 8/28/21	950	974
Sovereign (3.7%)		
Sinopec Group Overseas Development 2012 Ltd., 4.88%, 5/17/42	390	505
Sinopec Group Overseas Development 2013 Ltd., 4.38%, 10/17/23	650	709
Sinopec Group Overseas Development 2018 Ltd., 2.95%, 11/12/29 (a)	1,600	1,689
Three Gorges Finance I Cayman Islands Ltd., 2.30%, 6/2/21 (a)	1,340	1,346
3.70%, 6/10/25	750	820
3.70%, 6/10/25 (a)	838	916
		5,985
		6,959
Colombia (3.0%)		
Corporate Bonds (1.2%)		
Geopark Ltd., 6.50%, 9/21/24 (a)(b)	890	926

Portfolio of Investments (cont'd)

Emerging Markets Debt Portfolio

		Face Amount (000)	Value (000)
Corporate Bonds (cont'd)			
Millicom International Cellular SA, 6.63%, 10/15/26 (a)	$	390	$ 418
Termocandelaria Power Ltd., 7.88%, 1/30/29 (a)		610	672
			2,016
Sovereign (1.8%)			
Colombia Government International Bond, 3.00%, 1/30/30		556	584
5.00%, 6/15/45		1,960	2,398
			2,982
			4,998
Costa Rica (0.9%)			
Sovereign (0.9%)			
Costa Rica Government International Bond, 6.13%, 2/19/31 (a)		840	787
7.16%, 3/12/45		710	661
			1,448
Croatia (0.3%)			
Sovereign (0.3%)			
Croatia Government International Bond, 6.00%, 1/26/24		400	461
Dominican Republic (3.6%)			
Sovereign (3.6%)			
Dominican Republic International Bond, 4.88%, 9/23/32 (a)		230	255
5.88%, 1/30/60 (a)		960	1,061
6.00%, 7/19/28 (a)		570	683
6.85%, 1/27/45 (a)		740	906
6.88%, 1/29/26 (a)		970	1,172
7.45%, 4/30/44 (a)		739	957
9.75%, 6/5/26 (a)	DOP	44,050	816
			5,850
Ecuador (1.7%)			
Sovereign (1.7%)			
Ecuador Government International Bond, 0.00%, 7/31/30 (a)	$	273	131
0.50%, 7/31/30 - 7/31/40 (a)(e)		4,520	2,522
0.50%, 7/31/35 - 7/31/40 (e)		371	194
			2,847
Egypt (4.2%)			
Sovereign (4.2%)			
Arab Republic of Egypt, 5.25%, 10/6/25 (a)		550	586
Egypt Government International Bond, 4.75%, 4/16/26	EUR	510	649
6.38%, 4/11/31 (a)		1,050	1,383
6.59%, 2/21/28	$	1,000	1,102
7.50%, 1/31/27 (a)(b)		890	1,032
8.15%, 11/20/59 (a)		1,540	1,699
8.88%, 5/29/50 (a)		340	400
			6,851

		Face Amount (000)	Value (000)
El Salvador (1.3%)			
Sovereign (1.3%)			
El Salvador Government International Bond, 6.38%, 1/18/27	$	1,141	$ 1,083
7.12%, 1/20/50 (a)		360	323
8.63%, 2/28/29 (a)		760	763
			2,169
Gabon (0.6%)			
Sovereign (0.6%)			
Gabon Government International Bond, 6.63%, 2/6/31 (a)		320	331
6.95%, 6/16/25 (a)		610	655
			986
Ghana (1.4%)			
Sovereign (1.4%)			
Ghana Government International Bond, 8.63%, 6/16/49 (a)		1,060	1,089
8.95%, 3/26/51 (a)		1,070	1,119
			2,208
Guatemala (1.3%)			
Sovereign (1.3%)			
Guatemala Government Bond, 4.88%, 2/13/28		1,410	1,627
6.13%, 6/1/50 (a)		320	424
			2,051
Honduras (0.1%)			
Sovereign (0.1%)			
Honduras Government International Bond, 5.63%, 6/24/30 (a)		180	207
Hungary (1.3%)			
Sovereign (1.3%)			
Hungary Government International Bond, 5.38%, 3/25/24		1,250	1,428
7.63%, 3/29/41		350	622
			2,050
India (0.5%)			
Sovereign (0.5%)			
Export-Import Bank of India, 3.38%, 8/5/26 (a)(b)		790	856
Indonesia (5.6%)			
Sovereign (5.6%)			
Indonesia Government International Bond, 3.85%, 7/18/27		400	458
4.13%, 1/15/25		1,764	1,977
4.45%, 4/15/70 (b)		860	1,058
4.75%, 1/8/26 (a)		830	972
4.75%, 1/8/26		990	1,160
5.35%, 2/11/49		200	276
5.88%, 1/15/24		1,250	1,438
Pertamina Persero PT, 6.45%, 5/30/44 (a)		680	928
6.50%, 11/7/48 (a)		660	931
			9,198

The accompanying notes are an integral part of the financial statements.

Portfolio of Investments (cont'd)

Emerging Markets Debt Portfolio

		Face Amount (000)	Value (000)
Iraq (0.2%)			
Sovereign (0.2%)			
Iraq International Bond, 6.75%, 3/9/23 (a)	$	290	$ 284
Jamaica (1.4%)			
Sovereign (1.4%)			
Jamaica Government International Bond, 7.88%, 7/28/45		720	1,035
8.00%, 3/15/39		860	1,260
			2,295
Jordan (0.6%)			
Sovereign (0.6%)			
Jordan Government International Bond, 7.38%, 10/10/47 (a)		840	982
Kazakhstan (2.1%)			
Sovereign (2.1%)			
Kazakhstan Government International Bond, 5.13%, 7/21/25 (a)		200	237
5.13%, 7/21/25		1,000	1,185
6.50%, 7/21/45		320	517
KazMunayGas National Co., JSC, 6.38%, 10/24/48 (a)		980	1,412
			3,351
Kenya (0.8%)			
Sovereign (0.8%)			
Kenya Government International Bond, 8.00%, 5/22/32 (a)		1,110	1,296
Lebanon (0.3%)			
Sovereign (0.3%)			
Lebanon Government International Bond, 6.85%, 3/23/27 - 5/25/29 (c)(d)		2,940	416
Malaysia (0.5%)			
Sovereign (0.5%)			
Petronas Capital Ltd., 3.50%, 3/18/25		720	799
Mexico (6.9%)			
Corporate Bond (0.9%)			
Orbia Advance Corp SAB de CV, 5.50%, 1/15/48 (a)		1,240	1,507
Sovereign (6.0%)			
Banco Nacional de Comercio Exterior SNC, 3.80%, 8/11/26 (a)		243	244
Mexican Bonos Series M, 7.50%, 6/3/27	MXN	14,450	827
Mexico Government International Bond, 3.75%, 1/11/28	$	555	625
3.77%, 5/24/61		200	209
4.15%, 3/28/27		1,244	1,438
4.50%, 4/22/29		410	482
Petroleos Mexicanos, 6.84%, 1/23/30	$	1,501	$ 1,574
6.88%, 10/16/25 (a)		575	631
6.95%, 1/28/60		470	443
7.69%, 1/23/50		3,238	3,270
			9,743
			11,250
Mongolia (0.6%)			
Sovereign (0.6%)			
Mongolia Government International Bond, 5.13%, 4/7/26 (a)(b)		240	258
5.63%, 5/1/23		740	783
			1,041
Morocco (0.4%)			
Sovereign (0.4%)			
Morocco Government International Bond, 4.00%, 12/15/50 (a)		610	631
Nigeria (3.0%)			
Corporate Bond (0.6%)			
IHS Netherlands Holdco BV, 8.00%, 9/18/27 (a)		950	1,028
Sovereign (2.4%)			
Nigeria Government International Bond, 6.38%, 7/12/23		270	293
6.50%, 11/28/27 (a)		920	993
7.14%, 2/23/30 (a)		860	930
9.25%, 1/21/49 (a)		1,400	1,650
			3,866
			4,894
Oman (1.4%)			
Sovereign (1.4%)			
Oman Government International Bond, 6.00%, 8/1/29 (a)		2,200	2,276
Panama (3.1%)			
Corporate Bond (0.2%)			
AES Panama Generation Holdings SRL, 4.38%, 5/31/30 (a)		375	406
Sovereign (2.9%)			
Aeropuerto Internacional de Tocumen SA, 5.63%, 5/18/36 (a)		1,245	1,452
Panama Government International Bond, 3.87%, 7/23/60		470	556
4.00%, 9/22/24		914	1,013
4.50%, 4/1/56		450	582
8.88%, 9/30/27		763	1,103
			4,706
			5,112

Portfolio of Investments (cont'd)

Emerging Markets Debt Portfolio

	Face Amount (000)	Value (000)
Paraguay (0.9%)		
Sovereign (0.9%)		
Paraguay Government International Bond,		
4.95%, 4/28/31 (a)	$ 600	$ 728
5.40%, 3/30/50 (a)	610	774
		1,502
Peru (2.8%)		
Sovereign (2.8%)		
Corporación Financiera de Desarrollo SA,		
2.40%, 9/28/27 (a)	280	284
5.25%, 7/15/29 (a)	998	1,088
Peruvian Government International Bond,		
5.63%, 11/18/50	890	1,403
6.55%, 3/14/37	1,150	1,750
		4,525
Philippines (2.1%)		
Sovereign (2.1%)		
Philippine Government International Bond,		
3.95%, 1/20/40	386	460
9.50%, 2/2/30	1,749	2,887
		3,347
Poland (0.6%)		
Sovereign (0.6%)		
Republic of Poland Government International Bond,		
3.00%, 3/17/23	940	995
Qatar (3.3%)		
Sovereign (3.3%)		
Qatar Government International Bond,		
3.75%, 4/16/30 (a)	760	896
4.00%, 3/14/29	420	499
4.82%, 3/14/49 (a)	2,870	3,924
		5,319
Romania (1.5%)		
Sovereign (1.5%)		
Romanian Government International Bond,		
3.00%, 2/14/31	380	409
4.00%, 2/14/51	830	905
4.38%, 8/22/23	600	655
4.88%, 1/22/24	500	559
		2,528
Russia (4.0%)		
Sovereign (4.0%)		
Russian Foreign Bond — Eurobond,		
4.50%, 4/4/22	2,200	2,300
5.63%, 4/4/42	3,000	4,180
		6,480
Saudi Arabia (2.2%)		
Corporate Bond (0.5%)		
Saudi Arabian Oil Co.,		
3.50%, 11/24/70 (a)	860	873
Sovereign (1.7%)		
Saudi Government International Bond,		
4.38%, 4/16/29	$ 1,100	$ 1,309
5.25%, 1/16/50 (a)	1,080	1,475
		2,784
		3,657
Senegal (0.6%)		
Sovereign (0.6%)		
Senegal Government International Bond,		
6.25%, 5/23/33 (a)	920	1,035
Serbia (0.2%)		
Sovereign (0.2%)		
Serbia International Bond,		
2.13%, 12/1/30 (a)	310	307
South Africa (1.3%)		
Sovereign (1.3%)		
Eskom Holdings SOC Ltd.,		
7.13%, 2/11/25	760	780
8.45%, 8/10/28 (a)	1,220	1,351
		2,131
Sri Lanka (0.7%)		
Sovereign (0.7%)		
Sri Lanka Government International Bond,		
6.20%, 5/11/27	1,800	1,034
7.55%, 3/28/30	300	173
		1,207
Turkey (3.5%)		
Sovereign (3.5%)		
Turkey Government International Bond,		
4.88%, 4/16/43	630	553
5.25%, 3/13/30	1,670	1,679
5.63%, 3/30/21	1,204	1,216
6.38%, 10/14/25 (b)	830	899
6.88%, 3/17/36	700	765
7.25%, 12/23/23	480	526
		5,638
Ukraine (2.5%)		
Sovereign (2.5%)		
Ukraine Government International Bond,		
7.75%, 9/1/23 - 9/1/26	3,730	4,155
United Arab Emirates (3.5%)		
Corporate Bonds (0.7%)		
Galaxy Pipeline Assets Bidco Ltd.,		
3.25%, 9/30/40 (a)	965	1,021

Portfolio of Investments (cont'd)

Emerging Markets Debt Portfolio

		Face Amount (000)	Value (000)
Sovereign (2.8%)			
Abu Dhabi Government International Bond, 2.50%, 9/30/29 (a)	$	1,750	$ 1,892
2.70%, 9/2/70 (a)		820	767
3.13%, 5/3/26		938	1,043
DP World Crescent Ltd., 4.85%, 9/26/28		740	862
			4,564
			5,585
Uruguay (1.7%)			
Sovereign (1.7%)			
Uruguay Government International Bond, 4.38%, 10/27/27		1,100	1,305
5.10%, 6/18/50		1,020	1,431
			2,736
Uzbekistan (0.3%)			
Sovereign (0.3%)			
Republic of Uzbekistan Bond, 3.70%, 11/25/30 (a)		410	433
Venezuela (0.4%)			
Sovereign (0.4%)			
Petroleos de Venezuela SA, 6.00%, 11/15/26 (c)(d)		15,740	630
Total Fixed Income Securities (Cost $156,134)			158,059

	No. of Warrants	
Warrant (0.0%) (f)		
Venezuela (0.0%) (f)		
Venezuela Government International Bond, Oil-Linked Payment Obligation, expires 4/15/20 (g) **(Cost $—)**	3,750	8

	Shares	
Short-Term Investments (4.8%)		
Securities held as Collateral on Loaned Securities (2.4%)		
Investment Company (2.1%)		
Morgan Stanley Institutional Liquidity Funds — Treasury Securities Portfolio — Institutional Class (See Note H)	3,399,262	3,399

		Face Amount (000)		Value (000)
Repurchase Agreements (0.3%)				
Barclays Capital, Inc., (0.05%, dated 12/31/20, due 1/4/21; proceeds $104; fully collateralized by a U.S. Government obligation; 1.63% due 11/15/22; valued at $106)	$	104		104
HSBC Securities USA, Inc., (0.05%, dated 12/31/20, due 1/4/21; proceeds $404; fully collateralized by a U.S. Government obligation; 0.15% due 10/31/22; valued at $412)		404		404
Merrill Lynch & Co., Inc., (0.06%, dated 12/31/20, due 1/4/21; proceeds $42; fully collateralized by a U.S. Government obligation; 2.50% due 5/15/46; valued at $42)	$	42	$	42
				550
Total Securities held as Collateral on Loaned Securities (Cost $3,949)				3,949

	Shares	
Investment Company (1.3%)		
Morgan Stanley Institutional Liquidity Funds — Treasury Securities Portfolio — Institutional Class (See Note H) **(Cost $2,175)**	2,174,517	2,175

		Face Amount (000)	
Sovereign (1.1%)			
Egypt (1.1%)			
Egypt Treasury Bills, 13.60%, 3/2/21	EGP	2,625	165
13.65%, 3/2/21		4,325	271
13.66%, 3/2/21		6,500	407
13.68%, 3/2/21		9,325	585
13.69%, 3/2/21		4,325	271
13.70%, 3/2/21		650	41
Total Sovereign (Cost $1,713)			1,740
Total Short-Term Investments (Cost $7,837)			7,864
Total Investments (101.8%) (Cost $163,971) Including $3,873 of Securities Loaned (h)(i)			165,931
Liabilities in Excess of Other Assets (-1.8%)			(2,857)
Net Assets (100.0%)			$163,074

Country assignments and aggregations are based generally on third party vendor classifications and information, and may be different from the assignments and aggregations under the policies set forth in the Fund's prospectus and/or statement of additional information relating to geographic classifications.

(a) 144A security — Certain conditions for public sale may exist. Unless otherwise noted, these securities are deemed to be liquid.
(b) All or a portion of this security was on loan at December 31, 2020.
(c) Non-income producing security; bond in default.
(d) Issuer in bankruptcy.
(e) Multi-step — Coupon rate changes in predetermined increments to maturity. Rate disclosed is as of December 31, 2020. Maturity date disclosed is the ultimate maturity date.
(f) Amount is less than 0.05%.
(g) Perpetual maturity date. Date disclosed is the last expiration date.
(h) Securities are available for collateral in connection with an open foreign currency forward exchange contract.
(i) At December 31, 2020, the aggregate cost for federal income tax purposes is approximately $164,715,000. The aggregate gross unrealized appreciation is approximately $15,450,000 and the aggregate gross unrealized depreciation is approximately $14,234,000, resulting in net unrealized appreciation of approximately $1,216,000.

Portfolio of Investments (cont'd)

Emerging Markets Debt Portfolio

Foreign Currency Forward Exchange Contract:

The Fund had the following foreign currency forward exchange contract open at December 31, 2020:

Counterparty	Contracts to Deliver (000)	In Exchange For (000)	Delivery Date	Unrealized Depreciation (000)
BNP Paribas SA	EUR1,650	$2,007	3/5/21	$(11)

DOP — Dominican Peso
EGP — Egyptian Pound
EUR — Euro
MXN — Mexican Peso

Portfolio Composition*

Classification	Percentage of Total Investments
Sovereign	88.1%
Corporate Bonds	9.5
Other**	2.4
Total Investments	100.0%***

* Percentages indicated are based upon total investments (excluding Securities held as Collateral on Loaned Securities) as of December 31, 2020.

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

*** Does not include an open foreign currency forward exchange contract with unrealized depreciation of approximately $11,000.

Emerging Markets Debt Portfolio

Statement of Assets and Liabilities

	December 31, 2020 (000)
Assets:	
Investments in Securities of Unaffiliated Issuers, at Value[1] (Cost $158,397)	$160,357
Investment in Security of Affiliated Issuer, at Value (Cost $5,574)	5,574
Total Investments in Securities, at Value (Cost $163,971)	165,931
Foreign Currency, at Value (Cost $33)	22
Interest Receivable	2,289
Receivable for Fund Shares Sold	27
Receivable from Securities Lending Income	1
Receivable from Affiliate	—@
Other Assets	18
Total Assets	168,288
Liabilities:	
Collateral on Securities Loaned, at Value	3,949
Deferred Capital Gain Country Tax	699
Payable for Advisory Fees	303
Payable for Fund Shares Redeemed	123
Payable for Servicing Fees	64
Payable for Professional Fees	20
Unrealized Depreciation on Foreign Currency Forward Exchange Contract	11
Payable for Administration Fees	11
Payable for Custodian Fees	6
Payable for Transfer Agency Fees	2
Payable for Distribution Fees — Class II Shares	1
Other Liabilities	25
Total Liabilities	5,214
NET ASSETS	$163,074
Net Assets Consist of:	
Paid-in-Capital	$178,011
Total Accumulated Loss	(14,937)
Net Assets	$163,074
CLASS I:	
Net Assets	$145,312
Net Asset Value, Offering and Redemption Price Per Share Applicable to 18,779,581 Outstanding $0.001 Par Value Shares (Authorized 500,000,000 Shares)	$ 7.74
CLASS II:	
Net Assets	$ 17,762
Net Asset Value, Offering and Redemption Price Per Share Applicable to 2,315,047 Outstanding $0.001 Par Value Shares (Authorized 500,000,000 Shares)	$ 7.67
[1] **Including:**	
Securities on Loan, at Value:	$ 3,873

@ Amount is less than $500.

Emerging Markets Debt Portfolio

Statement of Operations

	Year Ended December 31, 2020 (000)
Investment Income:	
Interest from Securities of Unaffiliated Issuers (Net of $20 of Foreign Taxes Withheld)	$ 9,070
Dividends from Security of Affiliated Issuer (Note H)	26
Dividends from Securities of Unaffiliated Issuers	11
Income from Securities Loaned — Net	9
Total Investment Income	9,116
Expenses:	
Advisory Fees (Note B)	1,244
Servicing Fees (Note D)	279
Professional Fees	144
Administration Fees (Note C)	133
Distribution Fees — Class II Shares (Note E)	46
Shareholder Reporting Fees	31
Custodian Fees (Note G)	19
Pricing Fees	16
Transfer Agency Fees (Note F)	10
Directors' Fees and Expenses	7
Other Expenses	23
Total Expenses	1,952
Waiver of Distribution Fees — Class II Shares (Note E)	(37)
Rebate from Morgan Stanley Affiliate (Note H)	(6)
Net Expenses	1,909
Net Investment Income	7,207
Realized Gain (Loss):	
Investments Sold (Net of $65 of Capital Gain Country Tax)	2,135
Foreign Currency Forward Exchange Contracts	(223)
Foreign Currency Translation	(31)
Net Realized Gain	1,881
Change in Unrealized Appreciation (Depreciation):	
Investments (Net of Increase in Deferred Capital Gain Country Tax of $224)	(3,729)
Foreign Currency Forward Exchange Contracts	10
Foreign Currency Translation	(6)
Net Change in Unrealized Appreciation (Depreciation)	(3,725)
Net Realized Gain and Change in Unrealized Appreciation (Depreciation)	(1,844)
Net Increase in Net Assets Resulting from Operations	$ 5,363

The accompanying notes are an integral part of the financial statements.

Emerging Markets Debt Portfolio

Statements of Changes in Net Assets

	Year Ended December 31, 2020 (000)	Year Ended December 31, 2019 (000)
Increase (Decrease) in Net Assets:		
Operations:		
Net Investment Income	$ 7,207	$ 9,689
Net Realized Gain (Loss)	1,881	(5,209)
Net Change in Unrealized Appreciation (Depreciation)	(3,725)	21,132
Net Increase in Net Assets Resulting from Operations	5,363	25,612
Dividends and Distributions to Shareholders:		
Class I	(6,350)	(9,202)
Class II	(839)	(1,118)
Total Dividends and Distributions to Shareholders	(7,189)	(10,320)
Capital Share Transactions:[1]		
Class I:		
Subscribed	10,537	16,559
Distributions Reinvested	6,350	9,202
Redeemed	(40,250)	(34,616)
Class II:		
Subscribed	1,915	2,508
Distributions Reinvested	839	1,118
Redeemed	(6,036)	(3,602)
Net Decrease in Net Assets Resulting from Capital Share Transactions	(26,645)	(8,831)
Total Increase (Decrease) in Net Assets	(28,471)	6,461
Net Assets:		
Beginning of Period	191,545	185,084
End of Period	$163,074	$191,545
(1) **Capital Share Transactions:**		
Class I:		
Shares Subscribed	1,449	2,195
Shares Issued on Distributions Reinvested	886	1,219
Shares Redeemed	(5,739)	(4,595)
Net Decrease in Class I Shares Outstanding	(3,404)	(1,181)
Class II:		
Shares Subscribed	259	336
Shares Issued on Distributions Reinvested	118	149
Shares Redeemed	(840)	(480)
Net Increase (Decrease) in Class II Shares Outstanding	(463)	5

Financial Highlights

Emerging Markets Debt Portfolio

	Class I				
	Year Ended December 31,				
Selected Per Share Data and Ratios	**2020**	**2019**	**2018**	**2017**	**2016[1]**
Net Asset Value, Beginning of Period	$7.68	$7.09	$8.08	$7.79	$7.45
Income (Loss) from Investment Operations:					
Net Investment Income[2]	0.32	0.38	0.36	0.42	0.45
Net Realized and Unrealized Gain (Loss)	0.08	0.62	(0.92)	0.32	0.34
Total from Investment Operations	0.40	1.00	(0.56)	0.74	0.79
Distributions from and/or in Excess of:					
Net Investment Income	(0.34)	(0.41)	(0.43)	(0.45)	(0.45)
Net Asset Value, End of Period	$7.74	$7.68	$7.09	$8.08	$7.79
Total Return[3]	5.55%	14.25%	(6.94)%	9.71%	10.55%
Ratios to Average Net Assets and Supplemental Data:					
Net Assets, End of Period (Thousands)	$145,312	$170,382	$165,582	$219,994	$200,455
Ratio of Expenses Before Expense Limitation	N/A	N/A	N/A	N/A	1.08%
Ratio of Expenses After Expense Limitation	1.15%[4]	1.11%[4]	1.11%[4]	1.10%[4]	1.05%[4]
Ratio of Expenses After Expense Limitation Excluding Interest Expenses	N/A	N/A	1.11%[4]	N/A	N/A
Ratio of Net Investment Income	4.34%[4]	5.04%[4]	4.83%[4]	5.22%[4]	5.72%[4]
Ratio of Rebate from Morgan Stanley Affiliates	0.00%[5]	0.01%	0.00%[5]	0.01%	0.00%[5]
Portfolio Turnover Rate	40%	40%	32%	46%	53%

(1) Reflects prior period custodian out-of-pocket expenses that were reimbursed in September 2016. The amount of the reimbursement was immaterial on a per share basis and did not impact the total return of Class I shares. The Ratio of Expenses After Expense Limitation would have been 0.03% higher and the Ratio of Net Investment Income would have been 0.03% lower had the custodian not reimbursed the Fund.

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

(3) 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.

(4) 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."

(5) Amount is less than 0.005%.

Financial Highlights

Emerging Markets Debt Portfolio

Selected Per Share Data and Ratios	Class II Year Ended December 31, 2020	2019	2018	2017	2016[1]
Net Asset Value, Beginning of Period	$7.61	$7.03	$8.02	$7.74	$7.40
Income (Loss) from Investment Operations:					
Net Investment Income[2]	0.31	0.37	0.36	0.41	0.44
Net Realized and Unrealized Gain (Loss)	0.08	0.62	(0.92)	0.32	0.34
Total from Investment Operations	0.39	0.99	(0.56)	0.73	0.78
Distributions from and/or in Excess of:					
Net Investment Income	(0.33)	(0.41)	(0.43)	(0.45)	(0.44)
Net Asset Value, End of Period	$7.67	$7.61	$7.03	$8.02	$7.74
Total Return[3]	5.53%	14.17%	(7.04)%	9.58%	10.58%
Ratios to Average Net Assets and Supplemental Data:					
Net Assets, End of Period (Thousands)	$17,762	$21,163	$19,502	$22,144	$19,661
Ratio of Expenses Before Expense Limitation	1.40%	1.37%	1.36%	1.36%	1.33%
Ratio of Expenses After Expense Limitation	1.20%[4]	1.16%[4]	1.16%[4]	1.15%[4]	1.10%[4]
Ratio of Expenses After Expense Limitation Excluding Interest Expenses	N/A	N/A	1.16%[4]	N/A	N/A
Ratio of Net Investment Income	4.29%[4]	4.99%[4]	4.78%[4]	5.17%[4]	5.67%[4]
Ratio of Rebate from Morgan Stanley Affiliates	0.00%[5]	0.01%	0.00%[5]	0.01%	0.00%[5]
Portfolio Turnover Rate	40%	40%	32%	46%	53%

(1) Reflects prior period custodian out-of-pocket expenses that were reimbursed in September 2016. The amount of the reimbursement was immaterial on a per share basis and did not impact the total return of Class II shares. The Ratio of Expenses After Expense Limitation would have been 0.03% higher and the Ratio of Net Investment Income would have been 0.03% lower had the custodian not reimbursed the Fund.

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

(3) 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.

(4) 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."

(5) 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 Emerging Markets Debt Portfolio. The Fund seeks high total return by investing primarily in fixed income securities of government and government-related issuers and, to a lesser extent, of corporate issuers in emerging market countries. 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) 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") or Morgan Stanley Investment Management Limited ("MSIM Limited") (the "Sub-Adviser"), each 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; (2) when market quotations are not readily available, including circumstances under which the Adviser or the Sub-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 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; (3) quotations of foreign portfolio securities, other assets and liabilities and forward contracts stated in foreign currency are translated into U.S. dollar equivalents at the prevailing market rates prior to the close of the NYSE; and (4) 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

Notes to Financial Statements (cont'd)

the Company to utilize independent pricing services, quotations from securities and financial instrument dealers and other market sources to determine fair value.

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, 2020:

Investment Type	Level 1 Unadjusted quoted prices (000)	Level 2 Other significant observable inputs (000)	Level 3 Significant unobservable inputs (000)	Total (000)
Assets:				
Fixed Income Securities				
Corporate Bonds	$ —	$ 15,456	$—	$ 15,456
Sovereign	—	142,603	—	142,603
Total Fixed Income Securities	**—**	**158,059**	**—**	**158,059**
Warrant	—	8	—	8
Short-Term Investments				
Investment Company	5,574	—	—	5,574
Repurchase Agreements	—	550	—	550
Sovereign	—	1,740	—	1,740
Total Short-Term Investments	**5,574**	**2,290**	**—**	**7,864**
Total Assets	**5,574**	**160,357**	**—**	**165,931**
Liabilities:				
Foreign Currency Forward Exchange Contract	—	(11)	—	(11)
Total	**$5,574**	**$160,346**	**$—**	**$165,920**

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

3. **Repurchase Agreements:** The Fund may enter into repurchase agreements under which the Fund lends cash and takes possession of securities with an agreement that the counterparty will repurchase such securities. In connection with transactions in repurchase agreements, a bank as custodian for the Fund takes possession of the underlying securities which are held as collateral, with a market value at least equal to the amount of the repurchase transaction, including principal and accrued interest. To the extent that any repurchase transaction exceeds one business day, the value of the collateral is marked-to-market on a daily basis to determine that the value of the collateral does not decrease below the repurchase price plus accrued interest as earned. If such a decrease occurs, additional collateral will be requested and, when received, will be added to the account to maintain full collateralization. In the event of default on the obligation to repurchase, the Fund has the right to liquidate the collateral and apply the proceeds in satisfaction of the obligation. In the event of default or bankruptcy by the counterparty

Notes to Financial Statements (cont'd)

to the agreement, realization of the collateral proceeds may be subject to cost and delays. The Fund, along with other affiliated investment companies, may utilize a joint trading account for the purpose of entering into repurchase agreements.

4. **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.

5. **Structured Investments:** The Fund invested a portion of its assets in structured investments. A structured investment is a derivative security designed to offer a return linked to a particular underlying security, currency, commodity or market. Structured investments may come in various forms including notes (such as exchange-traded notes), warrants and options to purchase securities. The Fund will typically use structured investments to gain exposure to a permitted underlying security, currency, commodity or market when direct access to a market is limited or inefficient from a tax or cost standpoint. There can be no assurance that structured investments will trade at the same price or have the same value as the underlying security, currency, commodity or market. Investments in structured investments involve risks including issuer risk, counterparty risk and market risk. Holders of structured investments bear risks of the underlying investment and are subject to issuer or counterparty risk because the Fund is relying on the creditworthiness of such issuer or counterparty and has no rights with respect to the underlying investment. Certain structured investments may be thinly traded or have a limited trading market and may have the effect of increasing the Fund's illiquidity to the extent that the Fund, at a particular time, may be unable to find qualified buyers for these securities.

6. **Derivatives:** The Fund may, but is not required to, use derivative instruments for a variety of purposes, including hedging, risk management, portfolio management or to earn income. Derivatives are financial instruments whose value is based, in part, on the value of an underlying

Notes to Financial Statements (cont'd)

asset, interest rate, index or financial instrument. Prevailing interest rates and volatility levels, among other things, also affect the value of derivative instruments. A derivative instrument often has risks similar to its underlying asset and may have additional risks, including imperfect correlation between the value of the derivative and the underlying asset, risks of default by the counterparty to certain transactions, magnification of losses incurred due to changes in the market value of the securities, instruments, indices or interest rates to which the derivative instrument relates, risks that the transactions may not be liquid and risks arising from margin requirements. The use of derivatives involves risks that are different from, and possibly greater than, the risks associated with other portfolio investments. Derivatives may involve the use of highly specialized instruments that require investment techniques and risk analyses different from those associated with other portfolio investments. All of the Fund's holdings, including derivative instruments, are marked-to-market each day with the change in value reflected in unrealized appreciation (depreciation). Upon disposition, a realized gain or loss is recognized.

Certain derivative transactions may give rise to a form of leverage. Leverage magnifies the potential for gain and the risk of loss. Leverage associated with derivative transactions may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet earmarking or segregation requirements, pursuant to applicable Securities and Exchange Commission ("SEC") rules and regulations, or may cause the Fund to be more volatile than if the Fund had not been leveraged. Although the Adviser seeks to use derivatives to further the Fund's investment objectives, there is no assurance that the use of derivatives will achieve this result.

Following is a description of the derivative instruments and techniques that the Fund used during the period and their associated risks:

Foreign Currency Forward Exchange Contracts: In connection with its investments in foreign securities, the Fund also entered into contracts with banks, brokers or dealers to purchase or sell securities or foreign currencies at a future date. A foreign currency forward exchange contract ("currency contract") is a negotiated agreement between the contracting parties to exchange a specified amount of currency at a specified future time at a specified rate. The rate can be higher or lower than the spot rate between the currencies that are the subject of the contract. Currency contracts may be used to protect against uncertainty in the level of future foreign currency exchange rates or to gain or modify exposure to a particular currency. To the extent hedged by the use of currency contracts, the precise matching of the currency contract amounts and the value of the securities involved will not generally be possible because the future value of such securities in foreign currencies will change as a consequence of market movements in the value of those securities between the date on which the contract is entered into and the date it matures. Furthermore, such transactions may reduce or preclude the opportunity for gain if the value of the currency should move in the direction opposite to the position taken. There is additional risk to the extent that currency contracts create exposure to currencies in which the Fund's securities are not denominated. Unanticipated changes in currency prices may result in poorer overall performance for the Fund than if it had not entered into such contracts. The use of currency contracts involves the risk of loss from the insolvency or bankruptcy of the counterparty to the contract or the failure of the counterparty to make payments or otherwise comply with the terms of the contract. A currency contract is marked-to-market daily and the change in market value is recorded by the Fund as unrealized gain or loss. The Fund records realized gains (losses) when the currency contract is closed equal to the difference between the value of the currency contract at the time it was opened and the value at the time it was closed.

FASB ASC 815, "Derivatives and Hedging" ("ASC 815"), is intended to improve financial reporting about derivative instruments by requiring enhanced disclosures to enable investors to better understand how and why the Fund uses derivative instruments, how these derivative instruments are accounted for and their effects on the Fund's financial position and results of operations.

The following table sets forth the fair value of the Fund's derivative contracts by primary risk exposure as of December 31, 2020:

	Liability Derivatives Statement of Assets and Liabilities Location	Primary Risk Exposure	Value (000)
Foreign Currency Forward Exchange Contract	Unrealized Depreciation on Foreign Currency Forward Exchange Contract	Currency Risk	$(11)

The following tables set forth by primary risk exposure the Fund's realized gains (losses) and change in unrealized

Notes to Financial Statements (cont'd)

appreciation (depreciation) by type of derivative contract for the year ended December 31, 2020 in accordance with ASC 815:

Realized Gain (Loss)		
Primary Risk Exposure	Derivative Type	Value (000)
Currency Risk	Foreign Currency Forward Exchange Contracts	$(223)

Change in Unrealized Appreciation (Depreciation)		
Primary Risk Exposure	Derivative Type	Value (000)
Currency Risk	Foreign Currency Forward Exchange Contracts	$10

At December 31, 2020, the Fund's derivative assets and liabilities are as follows:

Gross Amounts of Assets and Liabilities Presented in the Statement of Assets and Liabilities		
Derivatives	Assets(a) (000)	Liabilities(a) (000)
Foreign Currency Forward Exchange Contract	$—	$(11)

(a) Absent an event of default or early termination, OTC derivative assets and liabilities are presented gross and not offset in the Statement of Assets and Liabilities.

The Fund typically enters into International Swaps and Derivatives Association, Inc. Master Agreements ("ISDA Master Agreements") or similar master agreements (collectively, "Master Agreements") with its contract counterparties for certain OTC derivatives in order to, among other things, reduce its credit risk to counterparties. ISDA Master Agreements include provisions for general obligations, representations, collateral and events of default or termination. Under an ISDA Master Agreement, the Fund typically may offset with the counterparty certain OTC derivative financial instruments' payables and/or receivables with collateral held and/or posted and create one single net payment (close-out netting) in the event of default, termination and/or potential deterioration in the credit quality of the counterparty. Various Master Agreements govern the terms of certain transactions with counterparties, including transactions such as swap, forward, repurchase and reverse repurchase agreements. These Master Agreements typically attempt to reduce the counterparty risk associated with such transactions by specifying credit protection mechanisms and providing standardization that improves legal certainty. Cross-termination provisions under Master Agreements typically provide that a default in connection with one transaction between the Fund and a counterparty gives the non-defaulting party the right to terminate any other transactions in place with the defaulting party to create one single net payment due to/due from the defaulting party and may be a feature in certain Master Agreements. In the event the Fund exercises its right to terminate a Master Agreement after a counterparty experiences a termination event as defined in the Master Agreement, the return of collateral with market value in excess of the Fund's net liability may be delayed or denied.

The following table presents derivative financial instruments that are subject to enforceable netting arrangements as of December 31, 2020:

		Gross Amounts Not Offset in the Statement of Assets and Liabilities		
Counterparty	Gross Liability Derivatives Presented in the Statement of Assets and Liabilities (000)	Financial Instrument (000)	Collateral Pledged (000)	Net Amount (not less than $0) (000)
BNP Paribas SA	$11	$—	$—	$11

For the year ended December 31, 2020, the approximate average monthly amount outstanding for each derivative type is as follows:

Foreign Currency Forward Exchange Contracts:

Average monthly principal amount $2,967,000

7. **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

Notes to Financial Statements (cont'd)

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.

The following table presents financial instruments that are subject to enforceable netting arrangements as of December 31, 2020:

Gross Amounts Not Offset in the Statement of Assets and Liabilities			
Gross Asset Amounts Presented in the Statement of Assets and Liabilities (000)	Financial Instrument (000)	Collateral Received (000)	Net Amount (not less than $0) (000)
$3,873(b)	$—	$(3,873)(c)(d)	$0

(b) Represents market value of loaned securities at year end.

(c) The Fund received cash collateral of approximately $3,949,000, which was subsequently invested in Repurchase Agreements and Morgan Stanley Institutional Liquidity Funds as reported in the Portfolio of Investments.

(d) The actual collateral received is greater than the amount shown here due to overcollateralization.

FASB ASC 860, "Transfers & Servicing: Repurchase-to-Maturity Transactions, Repurchase Financings, and Disclosures", is intended to provide increased transparency about the types of collateral pledged in securities lending transactions and other similar transactions that are accounted for as secured borrowing.

The following table displays a breakdown of transactions accounted for as secured borrowings, the gross obligations by class of collateral pledged and the remaining contractual maturity of those transactions as of December 31, 2020:

	Remaining Contractual Maturity of the Agreements				
	Overnight and Continuous (000)	<30 days (000)	Between 30 & 90 days (000)	>90 days (000)	Total (000)
Securities Lending Transactions					
Corporate Bonds	$ 112	$—	$—	$—	$ 112
Sovereign	3,837	—	—	—	3,837
Total Borrowings	**$3,949**	**$—**	**$—**	**$—**	**$3,949**
Gross amount of recognized liabilities for securities lending transactions					**$3,949**

8. **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.

9. **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. Interest income is recognized on the accrual basis 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.

   Settlement and registration of foreign securities transactions may be subject to significant risks not normally associated with investments in the United States. In certain markets, ownership of shares is defined according to entries in the issuer's share register. It is possible that a Fund holding these securities could lose its share registration through fraud, negligence or even mere oversight. In addition, shares being delivered for sales and cash being paid for purchases may be delivered before the exchange is complete. This may subject the Fund to further risk of loss in the event of a failure to complete the transaction by the counterparty.

10. **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/Sub-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
0.75%	0.70%	0.65%

Notes to Financial Statements (cont'd)

For the year ended December 31, 2020, the advisory fee rate (net of rebate) was equivalent to an annual effective rate of 0.75% 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 1.30% for Class I shares and 1.35% 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. This arrangement had no effect for the year ended December 31, 2020.

The Adviser has entered into a Sub-Advisory Agreement with the Sub-Adviser, a wholly-owned subsidiary of Morgan Stanley. The Sub-Adviser provides the Fund with advisory services subject to the overall supervision of the Adviser and the Fund's Officers and Directors. The Adviser pays the Sub-Adviser on a monthly basis a portion of the net advisory fees the Adviser receives from the Fund.

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. The Distributor has agreed to waive 0.20% of the 0.25% distribution fee that it may receive. This fee waiver 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 waiver when they deem such action is inappropriate. For the year ended December 31, 2020, this waiver amounted to approximately $37,000.

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.

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, 2020, purchases and sales of investment securities for the Fund, other than long-term U.S. Government securities and short-term investments were approximately $64,648,000 and $86,076,000, respectively. There were no purchases and sales of long-term U.S. Government securities for the year ended December 31, 2020.

The Fund invests in the Institutional Class of the Morgan Stanley Institutional Liquidity Funds — Treasury Securities 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, 2020, advisory fees paid were reduced by approximately $6,000 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, 2020 is as follows:

Affiliated Investment Company	Value December 31, 2019 (000)	Purchases at Cost (000)	Proceeds from Sales (000)	Dividend Income (000)
Liquidity Funds	$9,041	$53,596	$57,063	$26

Notes to Financial Statements (cont'd)

Affiliated Investment Company (cont'd)	Realized Gain (Loss) (000)	Change in Unrealized Appreciation (Depreciation) (000)	Value December 31, 2020 (000)
Liquidity Funds	$—	$—	$5,574

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, 2020, 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, 2020 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 tax purposes. The tax character of distributions paid during fiscal years 2020 and 2019 was as follows:

2020 Distributions Paid From: Ordinary Income (000)	2019 Distributions Paid From: Ordinary Income (000)
$7,189	$10,320

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, 2020.

At December 31, 2020, 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)
$7,121	$—

At December 31, 2020, the Fund had available for federal income tax purposes unused short-term and long-term capital losses of approximately $1,789,000 and $19,890,000, respectively, that do not have an expiration date.

To the extent that capital loss carryforwards are used to offset any future capital gains realized, no capital gains tax liability will be incurred by the Fund for gains realized and not distributed. To the extent that capital gains are offset, such gains will not be distributed to the shareholders. During the year ended December 31, 2020, the Fund utilized capital loss carryforwards for U.S. federal income tax purposes of approximately $1,896,000.

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

Notes to Financial Statements (cont'd)

requests. The interest rate on borrowings is based on the federal funds rate or 1 month LIBOR 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, 2020, the Fund did not have any borrowings under the Facility.

K. Other: At December 31, 2020, 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 63.7%.

L. Market Risk: Certain impacts to public health conditions particular to the coronavirus (COVID-19) outbreak could impact the operations and financial performance of certain of the Fund's investments. The extent of the impact to the financial performance of the Fund's investments will depend on future developments, including (i) the duration and spread of the outbreak, (ii) the restrictions and advisories, (iii) the effects on the financial markets, and (iv) the effects on the economy overall, all of which are highly uncertain and cannot be predicted. 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. —
Emerging Markets Debt Portfolio**

Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities of Emerging Markets Debt 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, 2020, 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 Emerging Markets Debt Portfolio (one of the funds constituting Morgan Stanley Variable Insurance Fund, Inc.) at December 31, 2020, 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, 2020 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.

Ernst + Young LLP

We have served as the auditor of one or more Morgan Stanley investment companies since 2000.
Boston, Massachusetts
February 19, 2021

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 April 22-23, 2020, 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 December 1, 2018, through December 31, 2019, as required under the Liquidity Rule. 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.

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***
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).	79	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; Trustee of Fairhaven United Methodist Church; Member of the Board of Advisors of the Dolphin Scholarship Foundation; Director of other various non-profit 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 (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).	79	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).	80	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***
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 (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).	80	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 (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.	79	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).	80	Director, Rubicon Investment (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).	79	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***
Patricia 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).	80	None.
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 Boards 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).	79	Formerly, Director of Legg Mason, Inc. (2006-2019); and Director of the Auburn University Foundation (2010-2015).

* 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, 2020) 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; Head of Public Markets Product Development (since 2006).
Timothy J. Knierim 1633 Broadway New York, NY 10019 Birth Year: 1959	Chief Compliance Officer	Since December 2016	Managing Director of the Adviser and various entities affiliated with the Adviser; Chief Compliance Officer of various Morgan Stanley Funds and the Adviser (since December 2016) and Chief Compliance Officer of Morgan Stanley AIP GP LP (since 2014). Formerly, Managing Director and Deputy Chief Compliance Officer of the Adviser (2014-2016).
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 a one-year term, until his or her successor is elected and qualifies.

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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.

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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