

AGENDA



500 West Big Beaver
Troy, MI 48084
troymi.gov

Employees' Retirement System Board Meeting

December 9th, 2020 at 12:00 PM
Electronic Remote Participation via GoToMeeting
(248) 524-3306
ERSPublicComments@troymi.gov

Roll Call

Public Comment

Minutes from the November 11th, 2020 Meeting

Retirement Requests

Name			
Pension Program			
Retirement Date			
Department			
Service Time			

Regular Business

Investments

- Graystone Consulting Investment Review
 - Market Review
 - Performance Report - As of November 30th, 2020
 - Troy ERS Market Values and Rebalance 11/30/2020
 - On the Markets - December 2020
- UBS Financial Services Investment Review
 - Market Review and discussion
 - Performance and Asset Allocation Review - November 2020
 - Recommendations:
 - NAIC Portfolio: NAIC holds more than \$6 million due to recent sales. Consider a review of NAIC stock recommendations.

Other Business

Adjourn

The next meeting is Wednesday, January 13th, 2021 at 12:00 PM.

MINUTES



500 West Big Beaver
Troy, MI 48084
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Employees' Retirement System Board Meeting

November 11th, 2020 at 12:00 PM

Electronic Remote Participation via GoToMeeting
(248) 524-3306

ERSPublicComments@troymi.gov

Roll Call

The monthly meeting for the Employees' Retirement System Board of Trustees was held on **November 11th, 2020** with electronic remote participation via GoToMeeting.

The meeting was called to order at 12:02 PM by Administrator Maleszyk.

Trustees Present: Mark Calice
Thomas Gordon II
Kurt Bovensiep
Justin Novak
Mark F Miller
David Hamilton
Robert C Maleszyk

Trustees Absent: Mark Owczarzak

Also Present: Tim Brice – Graystone Consulting
Rebecca Sorensen - UBS Financial Management
Darin McBride – UBS Financial Management
Lisa Burnham
Shazia Fatima

Public Comment

- None

Minutes from the October 21st, 2020 Meeting

Resolution # ER – 2020-11-26

Moved by: Calice

Seconded by: Gordon

RESOLVED, that the Minutes of the October 21st, 2020 meeting be **APPROVED**.

Yeas: - 7 – (Calice, Gordon, Novak, Hamilton, Miller, Bovensiep, Maleszyk)

Nays: - 0 -

Absent: - 0-

Motion Passes

Retirement Requests

Name	Robert Wolfe	MaryBeth Murz	Craig Fitzpatrick
Pension Program	DB	DC	DB
Retirement Date	1/12/2021	1/19/2021	1/30/2021
Department	Police	Purchasing	Police
Service Time	25 years 8 months	8 years 1 month 15 years 4 months Prior gov't service	25 years, 1 month
Name	Kirk Linton	Antonio Cascioli	Jeffrey Strong
Pension Program	DB	DB	DB
Retirement Date	1/30/2021	1/30/2021	3/28/2021
Department	Police	Police	Police
Service Time	25 years, 1 month	26 years, 0 months	25 years, 1 month

Resolution # ER – 2020-11-27

Moved by: Bovensiep

Seconded by: Gordon

RESOLVED, that the Retirement Requests be **APPROVED**.

Yeas: - 7 - (Bovensiep, Gordon, Calice, Novak, Hamilton, Miller, Maleszyk)

Nays: - 0 -

Absent: - 0 -

Motion Passes

Regular Business

- **2021 ERS Board Meeting Dates**

Resolution # ER – 2020-11-28

Moved by: Calice

Seconded by: Hamilton

RESOLVED, that the 2021 ERS Board Meeting Dates as printed in the Agenda be **APPROVED**.

Yeas: - 7 - (Calice, Hamilton, Gordon, Bovensiep, Novak, Miller, Maleszyk)

Nays: - 0 -

Absent: - 0 -

Motion Passes

- **ERS Actuarial Engagement Letter Jan – Dec 2021 – Gabriel, Roeder, Smith (GRS)**

- Administrator Maleszyk presented the December 31, 2021 Actuarial Valuation Engagement Letter – Gabriel, Roeder, Smith (GRS)
- He went over the proposed services and Actuarial Fees for the Employees Retirement System for the period beginning January 1, 2021 through December 31,2021.

Resolution # ER – 2020-11-29

Moved: Calice

Seconded: Novak

RESOLVED to engage Gabriel Roeder Smith to perform ERS actuarial services through December 31, 2021 using an assumed rate of return of 6.5% and using the most current mortality tables commonly used for municipal systems be **APPROVED**.

Yeas: - 7 - (Calice, Novak, Hamilton, Miller, Bovensiep, Gordon, Maleszyk)

Nays: - 0 -

Absent: - 0 -

Motion Passes

- **Request for reimbursement to City in the amount of \$6,000,000 in December 2020; \$3,000,000 each from Morgan Stanley and UBS.**

- **Resolution # ER – 2020-11-30**

Moved: Bovensiep

Seconded: Gordon

RESOLVED that Morgan Stanley and UBS reimburse the City in the amount of \$3,000,000 each in December 2020 to be taken from several of the investments be **APPROVED**.

Yeas: - 7 - (Bovensiep, Gordon, Calice, Novak, Miller, Hamilton, Maleszyk)

Nays: - 0 -

Absent: - 0 -

Motion Passes

Investments

Graystone Consulting Group Presentation

- **Market Review – Tim Brice**

- Tim gave a market update discussing the effects of the elections, rise in COVID cases, and proposed Stimulus bills and the 10-year Treasury on the Markets.
- He presented the Market Slides discussing the S&P 500 Sectors, and a V-Shape Recovery.

- **Investment Review – Tim Brice**

- Tim presented the Total Fund Performance Report as of September 30th,2020 noting the
 - Gross Net Return: QTD: 6.19% and YTD: 1.21%.
- Tim gave the Updated Performance Report as of November 10th ,2020 noting
 - Gross Net Return: QTD: 5.3% and YTD: 6.3%.
- He also presented Manager performance, Market Values, and Asset Allocation Study discussing Capital Market Assumptions, Asset Allocations and Strategic Assumptions.

- **Recommendations**

- Morgan Stanley recommended that the Board schedule some education meetings to discuss alternative Asset Classes and understand what the Board is comfortable investing with, which they would not know without knowing those asset classes better in order to reach the policy targets.

- Trustee Gordon inquired if there is a need to make changes to the investment policy to be able to make these decisions.
- Tim informed the Board that it will be needed to be added into the Policy and Investment guidelines.
- The Board members were in favor of doing some education meetings.

UBS Financial Presentation

- **Market Review – Becky Sorensen / Darin McBride**

- Becky gave a market overview in light of the COVID-19 pandemic, elections, and the expected Stimulus package indicating that the market is still volatile.
- They are optimistic and believe that having a well-diversified portfolio will help withstand the market changes.

- **Investment Review – Rebecca Sorensen / Darin McBride**

- The QTD Net Rate of Return Net of Fees as of September 30th, 2020 was as follows: Combined: 6.24%; ERS: 5.67% and NAIC: 8.22%
- The YTD Net Rate of Return Net of Fees as of September 30th, 2020 was as follows: Combined: 4.92%; ERS: 4.25% and NAIC: 7.25%
- The YTD Net Rate of Return Net of Fees as of October 31st, 2020 was as follows: Combined: 3.91%; ERS: 3.61% and NAIC: 4.94%

- **Recommendations:**

- ERS portfolio:
 - Covered Call Options were approved by Administrator Maleszyk
- NAIC Portfolio:
 - NAIC Portfolio:
 - The NAIC portfolio holds the following stocks that are current sell recommendations by Investor Advisory Service (CFRA). Research included. UBS does not follow these companies.
 - Air Lease - Aircraft Leasing Company
 - Dave & Buster's Entertainment - family entertainment - restaurant venue
 - Essent Group - Private Mortgage Insurance
 - Old Dominion Freight Lines (previously discussed)
 - Administrator Maleszyk brought to the table a motion to sell Roeper Technologies and Stryker based on the IAS newsletter.
 - Chairman Calice recommended to sell Roeper and Stryker

and hold the proceeds for future buy recommendations from the NAIC newsletter.

- **Resolution # ER – 2020-11-31**

Moved by: Calice

Seconded by: Novak

RESOLVED, that positions held in Roeper Technologies and Stryker be liquidated and the proceeds be held for future buy recommendations be **APPROVED**.

Yeas: - 7 - (Calice, Novak, Bovensiep, Gordon, Hamilton, Miller, Maleszyk)

Nays: - 0 –

Absent: - 0 -

Motion Passes

- Trustee Novak made a motion to sell Air Lease, Dave & Busters and Essent Group and continue holding positions in Old Dominion.

Resolution # ER – 2020-11-32

Moved by: Novak

Seconded by: Bovensiep

RESOLVED, that positions held in Air Lease, Dave & Busters and Essent Group be sold and positions in Old Dominion be continued to be held be **APPROVED**.

Yeas: - 6 – (Novak, Bovensiep, Miller, Hamilton, Gordon, Maleszyk)

Nays: - 1 – (Calice)

Absent: - 0 -

Motion Passes

Other Business

- MBC Investment Consulting Contract

Resolution # ER – 2020-11-33

Moved by: Maleszyk

Seconded by: Bovensiep

RESOLVED, The City of Troy Employee Retirement System APPROVES the attached Qualified Plan Account Application and Service Agreement, inclusive of Amendment #1, and authorizes the Secretary/Treasurer/Administrator to execute the document on its behalf be **APPROVED**.

Yeas: - 7 – (Maleszyk, Bovensiep, Calice, Gordon, Novak, Miller, Hamilton)

Nays: - 0 –

Absent: - 0 -

Motion Passes

Adjourn

The meeting adjourned at 1:32 PM.

The next meeting is Wednesday, December 9th, 2020 at 12:00 PM.

Thomas Gordon II, Vice Chairman

Robert C Maleszyk, Administrator

ALATI/BRICE/BRICE/MESSNER
Tel: 248-258-1750

Custom Report

Prepared on December 02, 2020 for:

CITY OF TROY EMPLOYEES RET SYS

CITY OF TROY EMPLOYEES RET SYS
C/O LISA R BURNHAM
ETF COMPLETION PORTFOLIO
500 W BIG BEAVER ROAD
TROY MI 48084-5254

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Please review the disclosures and definitions throughout this Document.
Various sub-sections of this Document may not contain information on all accounts/positions covered in this Document.

ACCOUNT(S) INCLUDED IN THIS REPORT

CITY OF TROY EMPLOYEES RET SYS

Reporting Currency: USD

MORGAN STANLEY WEALTH MANAGEMENT

Account Name and Address	Account Type/ Manager Name	Advisory/ Brokerage	Account Number	Date Opened	Date Closed	Performance (%) Inception - 12/01/20	Total Value (\$) 12/01/20	% of Portfolio 12/01/20
Artistotle LCV 500 W BIG BEAVER RD TROY	Aristotle Value Equity	Advisory	333-XXX476	03/17/20	-	58.78	4,932,438.19	4.93
CG ADVISOR 500 W BIG BEAVER ROAD TROY	Consulting Group Advisor	Advisory	333-XXX267	06/02/14	-	7.95	47,520,467.06	47.45
CIC ETF COMPLETION PORTF. 500 W BIG BEAVER ROAD TROY	ICS - ETF Completion Portfolio	Advisory	333-XXX421	02/15/08	-	9.57	97.70	0.00
Clearbridge - INTERNATIONAL 500 W BIG BEAVER ROAD TROY	ClearBridge Intl Growth ADR	Advisory	333-XXX829	08/21/19	-	26.03	5,410,867.11	5.40
Delaware - INTERNATIONAL 500 W BIG BEAVER ROAD TROY	Delaware/Mondrian Intl ADR	Advisory	333-XXX153	09/08/14	-	2.08	4,780,305.69	4.77
DELAWARE - LARGE VALUE 500 W BIG BEAVER ROAD TROY	AAA	Advisory	333-XXX149	09/08/14	-	-	0.00	0.00
JPMorgan LCV 500 W BIG BEAVER RD TROY	JP Morgan Equity Income	Advisory	333-XXX475	03/17/20	-	50.80	4,676,793.69	4.67
REINHART - FIXED 500 W BIG BEAVER ROAD TROY	Reinhart Partners - Active Interm Duration	Advisory	333-XXX268	06/02/14	-	2.74	8,471,814.65	8.46
TSW - SMID VALUE 500 W BIG BEAVER ROAD TROY	Thompson Seigel SMid Val	Advisory	333-XXX152	09/08/14	-	3.70	7,953,325.87	7.94
WAMCO CPFI 500 W BIG BEAVER RD TROY	Western Core Plus Fixed Income	Advisory	333-XXX474	03/17/20	-	10.44	8,259,066.90	8.25
WINSLOW - LARGE GROWTH 500 W BIG BEAVER ROAD TROY	Winslow Large Cap Growth	Advisory	333-XXX148	09/08/14	-	16.03	8,135,122.99	8.12
Morgan Stanley Wealth Management Total							100,140,299.84	100.00
Total Portfolio							100,140,299.84	100.00

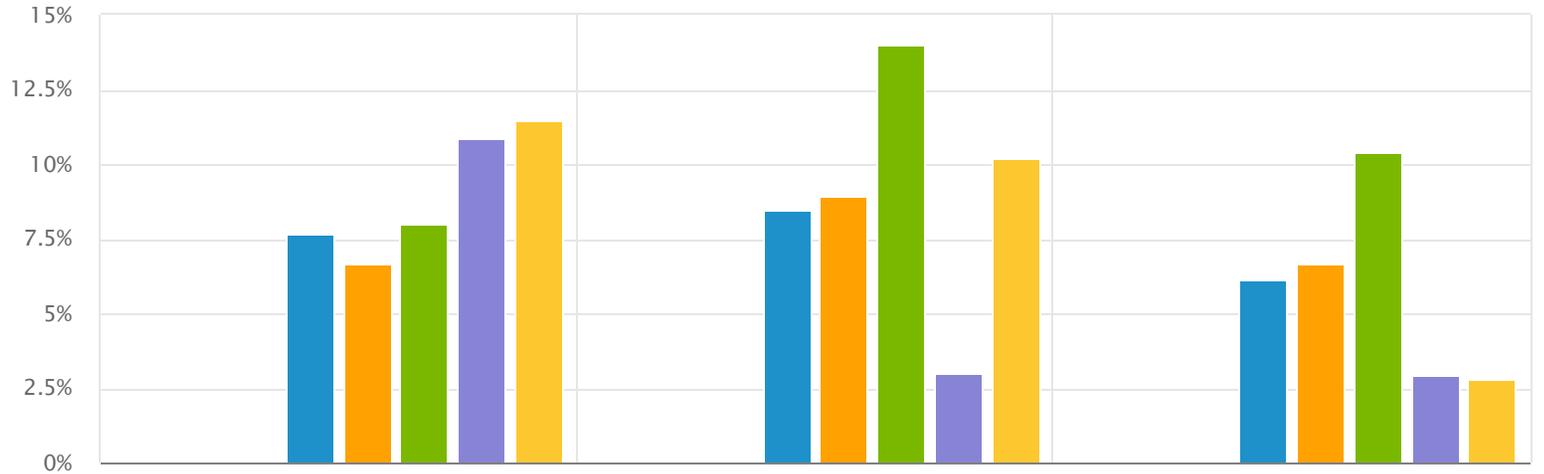
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TIME WEIGHTED PERFORMANCE SUMMARY

CITY OF TROY EMPLOYEES RET SYS

As of November 30, 2020 | Reporting Currency: USD

RETURN % (GROSS AND NET OF FEES) VS. BENCHMARKS (ANNUALIZED)



	Quarter to Date 09/30/20 - 11/30/20	Year to Date 12/31/19 - 11/30/20	Performance Inception 02/22/08 - 11/30/20
Beginning Total Value (\$)	94,899,318.27	96,256,829.02	75.00
Net Contributions/Withdrawals (\$)	-2,957,003.89	-4,791,288.61	47,758,048.78
Investment Earnings (\$)	7,281,355.09	7,758,129.06	51,465,545.70
Ending Total Value (\$)	99,223,669.47	99,223,669.47	99,223,669.47
Return % (Gross of Fees)	7.77	8.81	6.33
Return % (Net of Fees)	7.70	8.44	6.11
Troy ERS Policy (%)	6.68	8.92	6.70
S&P 500 Total Return (%)	8.00	14.02	10.39
MSCI EAFE Net (%)	10.89	3.03	2.96
MSCI EM Net (%)	11.50	10.20	2.77
Barclays Aggregate (%)	0.53	7.36	4.31
60% ACWI / 40% Citi WGBI (%)	6.37	10.84	5.31

The investment returns shown on this page are time-weighted measurements which exclude the effect of the timing and amount of your contributions and withdrawals.

TIME WEIGHTED PERFORMANCE DETAIL

CITY OF TROY EMPLOYEES RET SYS

As of November 30, 2020 | Reporting Currency: USD

RETURN % (GROSS AND NET OF FEES) VS. BENCHMARKS

Account Name/ Benchmark	Account Number	Performance Inception Date	Total Value (\$) 11/30/20	% Of Portfolio 11/30/20	Net/ Gross (Of Fees)	Quarter to Date (%) 09/30/20 - 11/30/20	Year to Date (%) 12/31/19 - 11/30/20	Performance Inception (%) to 11/30/20
ADVISORY		02/22/08	99,223,669.47	100.00		7.70	9.97	6.16
CITY OF TROY EMPLOYEES RET SYS (Consulting Group Advisor) - CG ADVISOR	333-XXX267	06/03/14	46,984,011.30	47.35	NET GROSS	7.78 7.82	14.54 14.71	7.77 7.95
<i>Troy CGA Index Blend</i>						6.17	9.14	6.50
CITY OF TROY EMPLOYEES RET SYS (Reinhart Partners - Active Interm Duration) - REINHART - FIXED BC Gov/Cr Intm	333-XXX268	08/22/14	8,494,122.61	8.56	NET GROSS	-0.01 0.10	5.53 5.95	2.78 3.18
CITY OF TROY EMPLOYEES RET SYS (Western Core Plus Fixed Income) - WAMCO CPFI Barclays Aggregate	333-XXX474	03/23/20	8,289,262.72	8.35	NET GROSS	2.01 2.12	10.85 11.24	10.85 11.24
CITY OF TROY EMPLOYEES RET SYS (Winslow Large Cap Growth) - WINSLOW - LARGE GROWTH Russell 1000 Gr	333-XXX148	09/11/14	8,047,368.78	8.11	NET GROSS	4.93 5.03	32.35 33.01	15.83 16.65
CITY OF TROY EMPLOYEES RET SYS (Thompson Seigel SMid Val) - TSW - SMID VALUE Russell 2500 VL	333-XXX152	09/11/14	7,864,679.54	7.93	NET GROSS	20.39 20.51	-4.16 -3.52	3.51 4.32
CITY OF TROY EMPLOYEES RET SYS (ClearBridge Intl Growth ADR) - Clearbridge - INTERNATIONAL MSCI EAFE Net	333-XXX829	08/27/19	5,353,182.56	5.40	NET GROSS	8.68 8.79	18.49 18.96	25.03 25.65
CITY OF TROY EMPLOYEES RET SYS (Aristotle Value Equity) - Artistotle LCV Russell 1000 VL	333-XXX476	03/23/20	4,886,034.19	4.92	NET GROSS	10.12 10.23	57.29 57.72	57.29 57.72
CITY OF TROY EMPLOYEES RET SYS (Delaware/Mondrian Intl ADR) - Delaware - INTERNATIONAL MSCI EAFE Net	333-XXX153	09/10/14	4,675,563.89	4.71	NET GROSS	12.57 12.70	-6.44 -5.85	1.72 2.53
CITY OF TROY EMPLOYEES RET SYS (JP Morgan Equity Income) - JPMorgan LCV Russell 1000 VL	333-XXX475	03/23/20	4,629,346.19	4.67	NET GROSS	9.90 10.00	49.27 49.68	49.27 49.68
						11.96	51.58	51.58

The investment returns shown on this page are time-weighted measurements which exclude the effect of the timing and amount of your contributions and withdrawals. Year to Date(YTD), Quarter to Date(QTD) and Month to Date(MTD): Returns are for the period in which position or account was open.

TIME WEIGHTED PERFORMANCE DETAIL

CITY OF TROY EMPLOYEES RET SYS

As of November 30, 2020 | Reporting Currency: USD

RETURN % (GROSS AND NET OF FEES) VS. BENCHMARKS (Continued)

Account Name/ Benchmark	Account Number	Performance Inception Date	Total Value (\$) 11/30/20	% Of Portfolio 11/30/20	Net/ Gross (Of Fees)	Quarter to Date (%) 09/30/20 - 11/30/20	Year to Date (%) 12/31/19 - 11/30/20	Performance Inception (%) to 11/30/20
CITY OF TROY EMPLOYEES RET SYS (ICS - ETF Completion Portfolio) - CIC ETF COMPLETION PORTF. <i>FTSE Treasury Bill 3 Month</i>	333-XXX421	02/22/08	97.70	0.00	NET/ GROSS	0.00 0.00 0.02	0.17 0.11 0.57	9.57 9.66 0.61

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Market values used for performance calculation do not include Performance Ineligible Assets and thus may differ from asset allocation market values. Common examples of Performance Ineligible Assets include life insurance and annuities as well as Manually Added and External accounts, assets and liabilities.

Unless otherwise indicated, performance is a composite calculation of the entire portfolio and may include brokerage and investment advisory accounts as well as assets for different accounts included in this report. The accounts included in the composite may have (or have had) different investment objectives and strategies, been subject to different restrictions, and incurred different types of fees, markups, commissions and other charges. Accordingly, performance results may blend the performance of assets and strategies that may not have been available in all of the accounts at all times during the reporting period. In addition, accounts in the composite may have changed from brokerage to advisory or vice versa. Accounts may also have moved from one advisory program to another (including from a discretionary program to a non-discretionary program).

For Morgan Stanley Smith Barney LLC accounts, performance information may cover the full history of the account(s) or just the performance of an account(s) since the inception of the current program(s). Performance results on individual accounts will vary and may differ from the composite returns. Your Financial Advisor can provide you with individual account portfolio composition and performance information. For investment advisory accounts, please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 or applicable disclosure brochure and any applicable brokerage commission and/or fee schedule for a full disclosure of fees and expenses. Your Financial Advisor will provide those documents to you upon request. For brokerage accounts, please speak to your Financial Advisor for more information on commissions and other account fees and expenses.

Performance inception date does not necessarily correspond to the account opening date. Where multiple accounts are included in performance calculations, the inception date is the oldest performance inception. Performance data may not be available for all periods as some accounts included in performance may have more recent performance inception dates. Consequently, the actual performance for a group of accounts may differ from reported performance. Please ask your Financial Advisor for the performance inception date for each account.

Gross of Fees: The impact of program fees can be material. These program fees are deducted based on your billing cycle and may have a compounding effect on performance. As fees are deducted periodically throughout the year, the compounding effect may increase the impact of the fees by an amount directly related to the gross account performance.

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trading and costs, please refer to the ADV Brochure for your program(s), available at www.morganstanley.com/ADV, or contact your Financial Advisor/Private Wealth Advisor.

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GENERAL DEFINITIONS

Dollar-Weighted Return (Internal Rate of Return): A return calculation that measures the actual performance of a portfolio over the reporting period. Since dollar weighted returns include the impact of client contributions and withdrawals, they should not be compared to market indices or used to evaluate the performance of a manager, but can be used to evaluate progress toward investment goals.

Gross of Fees: Performance results depicted as "gross" of fees do not reflect the deduction of any wrap fee, investment management fee, trade commissions, and/or other account fees. Your actual returns are lower after deducting these expenses. Please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 Brochure for advisory accounts and/or any applicable brokerage account trade confirmation statements for a full disclosure of the applicable charges, fees and expenses. Your Financial Advisor will provide those documents to you upon request.

Investment Earnings: A combination of the income received and total portfolio value increase or decrease, excluding net contributions and withdrawals, over the reporting period.

Net Contributions/Withdrawals: The net value of cash and securities contributed to or withdrawn from the account(s) during the reporting period. Net contributions and withdrawals may include advisory fees for advisory accounts.

Net of Fees: Performance results depicted as "net" of fees shall mean that any wrap fee, investment management fees, trade commissions, and/or other account fees have been deducted. Any other fees or expenses associated with the account, such as third party custodian fees, may not have been deducted. Please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 Brochure for advisory accounts and/or any applicable brokerage account trade confirmation statements for a full disclosure of the applicable charges, fees and expenses. Your Financial Advisor will provide those documents to you upon request.

Time-Weighted Return: A return calculation that measures the investment performance of a portfolio over the reporting period. Time weighted returns do not include the impact of client contributions and withdrawals and therefore, may not reflect the actual rate of return the client received. Time weighted returns isolate investment actions and can be compared to benchmarks and used to evaluate the performance of a manager.

Total Value: "Total Value" represents the Market Value of the portfolio or Asset Class referenced and includes the accrual of interest and dividends. Total Value in the Asset Allocation view prior to January 2014, does not reflect the accrual of interest and dividends. Total Value for Morgan Stanley & Co. and External accounts also does not include accrued interest and dividends.

BENCHMARK DEFINITIONS

60% ACWI / 40% Citi WGBI: The current allocation is comprised of 40.00% Citi WGBI Unhedged, 60.00% MSCI AC World Net.

Troy ERS Policy: The current allocation is comprised of 29.00% BC Gov/Cr Intm, 7.00% MSCI REIT Gross, 5.00% FTSE Treasury Bill 3 Month, 19.00% MSCI ACWI Ex USA NR USD, 40.00% Russell 3000.

Troy CGA Index Blend: The current allocation is comprised of 9.00% BC Universal, 8.00% BC TIPS, 11.00% Barclays Govt/Credit Bond, 57.00% MSCI AC World Net, 3.00% FTSE Treasury Bill 3 Month, 7.00% BC Multiverse Hedged Index, 5.00% MSCI REIT Net.

Citi WGBI Unhedged: Citi World Government Bond Index is a market capitalization-weighted index consisting of the government bond markets of certain countries. Country eligibility is determined based on market capitalization and investability criteria. All issues have a remaining maturity of at least one year.

MSCI AC World Net: The MSCI ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The MSCI ACWI consists of 46 country indexes comprising 23 developed and 23 emerging market country indexes. The developed market country indexes included are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the United Kingdom and the United States. The emerging market country indexes included are: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey, and United Arab Emirates (as of June 2014). Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

FTSE Treasury Bill 3 Month: Equal dollar amounts of three-month Treasury bills are purchased at the beginning of each of three consecutive months. As each bill matures, all proceeds are rolled over or reinvested in a new three-month bill. The income used to calculate the monthly return is derived by subtracting the original amount invested from the maturity value. The yield curve average is the basis for

calculating the return on the index. The index is rebalanced monthly by market capitalization. The 90-Day Treasury Bill is a short-term obligation issued by the United States government. T-bills are purchased at a discount to the full face value, and the investor receives the full value when they mature. The difference of discount is the interest earned. T-bills are issued in denominations of \$10,000 auction and \$1,000 increments thereafter.

MSCI REIT Gross: The MSCI US REIT Index is a free float-adjusted market capitalization weighted index that is comprised of equity REITs that are included in the MSCI US Investable Market 2500 Index, with the exception of specialty equity REITs that do not generate a majority of their revenue and income from real estate rental and leasing operations. The index represents approximately 85% of the US REIT universe.

BC TIPS: The Barclays U.S. TIPS Index is an unmanaged market index comprised of all U.S. Treasury Inflation Protected Securities rated investment grade (Baa3 or better), have at least one year to final maturity, and at least \$250 million par amount outstanding.

MSCI EAFE Net: The MSCI EAFE Index -Europe, Australasia, Far East - is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US and Canada. The MSCI EAFE Index consists of the following 21 developed market country indexes: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, the Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, and the United Kingdom (as of June 2014). Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

MSCI EM Net: The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance of emerging markets. The MSCI Emerging Markets Index consists of the following 23 emerging market country indexes: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey, and United Arab Emirates (as of June 2014). Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

MSCI ACWI Ex USA NR USD: The MSCI ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The MSCI ACWI consists of 46 country indexes comprising 23 developed and 23 emerging market country indexes. The developed market country indexes included are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the United Kingdom and the United States. The emerging market country indexes included are: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey, and United Arab Emirates (as of June 2014). This index is excluding the United States. Performance is showing net withholding tax. Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

S&P 500 Total Return: The S&P 500 has been widely regarded as the best single gauge of the large cap U.S. equities market since the index was first published in 1957. The index has over \$5.58 trillion benchmarked, with index assets comprising approximately \$1.31 trillion of this total. The index includes 500 leading companies in leading industries of the U.S. economy, capturing 75% coverage of U.S. equities. This index includes dividend reinvestment.

Russell 2500 VL: The Russell 2500 Value Index is representative of the U.S. market for smaller to medium capitalization stocks containing those companies in the Russell 2500 Index with lower price-to-book ratios and lower forecasted growth.

Russell 1000 Gr: The Russell 1000 Growth Index is representative of the U.S. market for large capitalization stocks containing those companies in the Russell 1000 Index with higher price-to-book ratios and higher forecasted growth.

Russell 1000 VL: The Russell 1000 Value Index is representative of the U.S. market for large capitalization stocks containing those companies in the Russell 1000 Index with lower price-to-book ratios and lower forecasted growth.

BC Gov/Cr Intm: The Barclays Government/Credit Bond Index contains bonds that are investment grade and that have at least one year to maturity. The Barclays Intermediate Government/Credit Bond Index is composed primarily of bonds covered by the Barclays Government/Credit Bond Index with maturities between one and 9.99 years.

Russell 3000: The Russell 3000 Index measures the performance of the 3,000 largest U.S. companies based on total market capitalization, which represents approximately 98% of the investable U.S. equity market.

BC Universal: The BC U.S. Universal is a combination of indices. It includes the following indices: BC Aggregate; Corporate High Yield; Eurodollar (Ex-Aggregate); Emerging Markets (Ex-Aggregate/Eurodollar); 144A (Ex-Aggregate), and Commercial Mortgage Backed Securities (CMBS). Each asset class is subject to minimum outstanding size threshold. These thresholds usually increase with the expansion of average issue size. All securities must be dominated in U.S. dollars. All issues must be fixed rate, with the exception of certain emerging-market debt bearing a floating-rate coupon. All securities and certificates must have a remaining maturity of at least one year. There are no rating constraints. Municipal debt, private placements, and non-dollar-denominated issues are excluded.

MSCI REIT Net: The MSCI US REIT Index is a free float-adjusted market capitalization weighted index that is comprised of equity REITS that are included in the MSCI US Investable Market 2500 Index, with the exception of specialty equity REITs that do not generate a majority of their revenue and income from real estate rental and leasing operations. The index represents approximately 85% of the US REIT universe.

Barclays Govt/Credit Bond: The Barclays Government/Credit Bond Index contains bonds that are investment grade and that have at least one year to maturity.

BC Multiverse Hedged Index: The Barclays Capital Multiverse Index provides a broad-based measure of the international fixed-income bond market. The index represents the union of the Global Aggregate and Global High Yield indices. In this sense, we use the term (Multiverse) to refer to the concept of multiple universes in a single marco index. Hedged.

Barclays Aggregate: The Barclays US Aggregate Bond Index is a broad-based flagship benchmark that measures the investment grade, US dollar-denominated, fixed-rate taxable bond market. The index includes Treasuries, government-related and corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS and CMBS (agency and non-agency).

City of Troy Employees' Retirement System
11/30/2020

Asset Class	Mandate	Market Value	Portfolio %	Policy Target	Value at Policy Target	Rebalance	Value after Reallocation	% After Reallocation	% Over (Under)	\$ Value Over (Under)
Global Equities (40% - 70%)		\$70,752,472.93	71.3%	59.0%	\$58,510,405.56	(\$2,000,000)	\$68,752,472.93	69.3%	10.3%	\$10,242,067.37
Domestic Equities (30% - 50%)		\$50,699,131.00	51.1%	40.0%	\$39,668,071.56	(\$2,000,000)	\$48,699,131.00	49.1%	9.1%	\$9,031,059.44
Winslow	Domestic Large Cap Growth Equity	\$8,044,171.71	8.1%			(\$350,000)	\$7,694,171.71	7.8%		
JP Morgan Equity Income	Domestic Large Cap Value Equity	\$4,622,096.49	4.7%			(\$200,000)	\$4,422,096.49	4.5%		
Aristotle	Domestic Large Cap Value Equity	\$4,880,080.66	4.9%			(\$200,000)	\$4,680,080.66	4.7%		
iShares S&P 500 (IVV)	Domestic Large Cap Core Equity	\$6,159,000.64	6.2%			(\$250,000)	\$5,909,000.64	6.0%		
Thompson Siegel	Domestic Smid Cap Value	\$7,842,282.20	7.9%			(\$250,000)	\$7,592,282.20	7.7%		
Vanguard Total Market (VTI)	Domestic Large Cap Equity	\$19,151,499.30	19.3%			(\$750,000)	\$18,401,499.30	18.6%		
International Equities (4% - 24%)		\$20,053,341.93	20.2%	19.0%	\$18,842,333.99	\$0	\$20,053,341.93	20.2%	1.2%	\$1,211,007.94
ClearBridge International Growth	International Equity	\$5,352,159.23	5.4%			\$0	\$5,352,159.23	5.4%		
Delaware International Value	International Equity	\$4,664,356.83	4.7%			\$0	\$4,664,356.83	4.7%		
iShares MSCI EAFE (EFA)	International Equity	\$4,916,813.50	5.0%			\$0	\$4,916,813.50	5.0%		
iShares Emerging Mkts. (EEM)	Emerging Markets Equity	\$5,120,012.37	5.2%			\$0	\$5,120,012.37	5.2%		
Fixed Income (25% - 50%)		\$26,368,181.90	26.6%	29.0%	\$28,759,351.88	\$1,500,000	\$27,868,181.90	28.1%	-0.9%	(\$891,169.98)
Reinhart Inter Gov / Credit	Domestic Fixed Income	\$8,496,494.62	8.6%			\$500,000	\$8,996,494.62	9.1%		
Western Core Plus	Domestic Fixed Income	\$8,289,261.63	8.4%			\$1,000,000	\$9,289,261.63	9.4%		
Loomis Sayles Bond (LSBDX)	Domestic Fixed Income	\$5,297,049.60	5.3%			\$0	\$5,297,049.60	5.3%		
PIMCO Real Return (PRLPX)	Domestic Fixed Income	\$4,285,376.05	4.3%			\$0	\$4,285,376.05	4.3%		
Real Estate (0% - 9%)		\$1,549,128.00	1.6%	7.0%	\$6,941,912.52	\$500,000	\$2,049,128.00	2.1%	-4.9%	(\$4,892,784.52)
Vanguard REIT (VNQ)	REIT	\$1,549,128.00	1.6%			\$500,000	\$2,049,128.00	2.1%		
Cash (0% - 10%)		\$500,396.08	0.5%	5.0%	\$4,958,508.95	\$0	\$500,396.08	0.5%	-4.5%	(\$4,458,112.87)
Cash - Cont/ Distr	Cash	\$97.70	0.0%			\$0	\$97.70	0.0%		
Cash -Managed & ETF / MF Accounts	Cash	\$500,298.38	0.5%			\$0	\$500,298.38	0.5%		
Combined Accounts		\$99,170,178.91	100.0%	100.0%	\$99,170,178.91	\$0	\$99,170,178.91	100.0%		

Source: Morgan Stanley

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Global Investment Committee | December 2020

On the Markets

Looking Forward to 2021

November is the month when our macro team gets together to discuss its year-ahead outlooks across all asset classes. It's a collaborative two-week process that allows us to think about the next 12 months rather than the next 12 hours. I enjoy this process but the US election and the ongoing global pandemic presented some unique challenges this year.

The 12-month view is often easier to map out than the very short-term outlook because it comes down to two things that can be analyzed and forecast—earnings and interest rates. While fund flows, sentiment or positioning may dominate stock prices in the short term, the price of a stock is ultimately determined by earnings and valuation, which is heavily dependent on interest rates. On both counts, our calls this year have been consistent. We've been ahead of the consensus on the recovery story but more bearish than consensus on bonds, especially long-term ones, as we think interest rates are likely to head meaningfully higher next year.

Last month, we received good news that supports these views: a market-friendly election outcome (likely divided government); and two effective vaccines, which is exactly what the doctor ordered to get the economy fully reopened next year. That's the good news. The bad news is that we still have to deal with a runoff in Georgia to determine the final congressional makeup, and that the vaccine likely won't be ready for mass distribution for another three or four months as case counts and deaths increase. This juxtaposition feeds directly into our short- versus long-term dilemma when thinking about our 2021 outlook.

With US equity markets a bit exhausted at the moment, I see the risk of one more drawdown before the end of the year. Nevertheless, I remain a steadfast bull on a 12-month view in terms of both the earnings outlook and the markets. New bull markets that coincide with a new economic cycle last for years, and the business cycle tends to override the political one. As for the S&P 500 Index, we forecast a 10% gain in the next 12 months as earnings continue to surprise on the upside but higher interest rates lead to somewhat lower valuations—a typical feature of the first year coming out of a recession. While 10% upside is attractive, the real opportunity is likely to take place below the surface in smaller-cap stocks that have greater sensitivity to what is likely to be a very strong economic recovery, along with financials, consumer services, materials, industrials and cyclical technology stocks. ■

Michael Wilson

Chief Investment Officer
Chief US Equity Strategist
Morgan Stanley & Co. LLC

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The pandemic has profoundly and, in many cases, permanently changed behavior. In the next cycle, the winners and losers will be different.

ECONOMICS

The Next Phase of the V

Chetan Ahya, Chief Global Economist and Global Head of Economics, Morgan Stanley & Co.

Global economic activity came to a near standstill in March and April, but a restart of economies and the opening of the monetary and fiscal stimulus floodgates helped a supercharged recovery take hold in May. This steep decline and sharp rebound—hence, the “V-shaped” recovery—have meant that global economic output will have climbed above pre-COVID-19 levels in the current quarter based on seasonally adjusted GDP levels. This is an outcome we forecast, but it was distinctly not the consensus view.

Now, as we consider the 2021 global macro outlook, we see three critical factors to keep in mind: a global synchronous recovery, emerging markets boarding the reflation train and a regime change in US inflation dynamics.

A Global Synchronous Recovery Is Taking Hold

The once-in-a-century global pandemic of 2020 should morph into a synchronous recovery in 2021. On our count, such a recovery—with both the developed markets and the emerging markets accelerating in the same year—has taken place 12 times over the past 40 years, the last time in 2017.

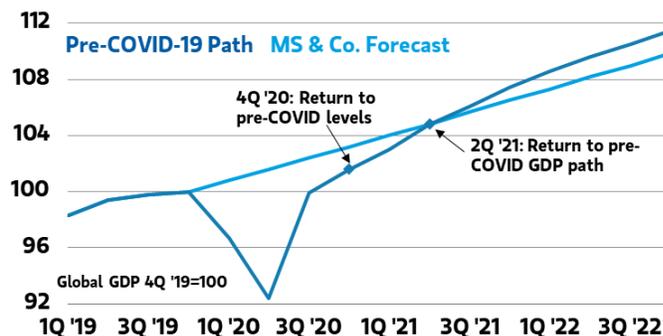
Of course, in the near term, COVID-19 exerts a heavy influence on growth. Rising cases constrain economic activity in the developed markets, while the improving COVID-19 situation in emerging markets should allow them to outperform for the next three to four months. As the developed markets emerge from the winter, growth should pick up, and by March/April we expect all regions and all sectors of the global economy to be in recovery.

GAINING MOMENTUM. With the global economy already back at the pre-COVID-19 level of output—that of fourth quarter 2019—we expect the recovery to gain momentum. Despite the sharp gyrations in output in the previous six quarters, in 2021's second quarter the global economy returns to the path it would have followed absent the COVID-19 shock (see chart). We forecast global growth at a 6.4% annual rate for 2021 (see table).

This projection stands in stark contrast to the consensus, which expects the pandemic will have a bigger impact on private sector risk appetite and hence global growth. However, consumers have driven the recovery and investment growth—a reflection of the private corporate sector's risk tolerance—and they are bouncing back, too. Keep in mind that the shock was exogenous and policy support was timely, coordinated and sizeable, helping to get the global economy back onto this path.

VACCINE AVAILABILITY. The recent positive news on COVID-19 vaccine development bolsters our confidence in our

Global Growth Is Likely to Return to Pre-COVID-19 Path in 2021



Note: The pre-COVID-19 GDP path refers to the trajectory that global GDP would have followed prior to the COVID-19 shock and is calculated using Morgan Stanley & Co. Research forecasts as of Jan. 21, 2020.

Source: Haver Analytics, IMF, national sources, Morgan Stanley & Co. Research as of Nov. 15, 2020

constructive views on the economy. We are cognizant there are processes to navigate before a vaccine is eventually approved for emergency use and broadly available, but these developments are nonetheless steps in the right direction. By now, households and companies have learned how to manage in a COVID-19 environment, such as by making purchases online and managing work-from-home routines. The news on a vaccine will help buoy private sector confidence that we can avoid further lockdowns beyond the winter and that a full reopening of the economy can be a mid-2021 event. In addition, we believe that the vaccination of the vulnerable population and the advent of rapid testing will be key in reopening economies, even for the COVID-19-sensitive sectors.

In the near term, COVID-19 still influences developed market growth. In the US, hospitalizations are now above their June/July levels and will likely warrant implementing restrictions in a number of states and cities, especially limiting indoor dining. However, the strong carryover momentum and still improving high-frequency indicators suggest we are unlikely to see a sequential decline in GDP—though we do pencil in monthly declines in consumer spending in November and December.

In Europe, restrictions have already been implemented and we therefore expect a decline in activity through the winter. Encouragingly, we see early signs of stabilizing case numbers in the UK and declining case counts in the Netherlands, which implemented restrictions about a week or two earlier than the rest of Europe, as well as more recently in France. In both the US and Europe, we expect once restrictions are lifted the growth payback will keep the end destinations of pre-COVID-19 output levels intact.

Morgan Stanley & Co. Real GDP Forecasts

Real GDP	2020E		2021E		2022E			2023-2025E
	Base	Bear	Base	Bull	Bear	Base	Bull	Base
Global	-3.5%	4.6%	6.4%	8.2%	3.4%	4.4%	5.4%	3.1%
G10	-5.4	2.8	5.1	7.5	2.8	3.9	4.9	1.6
US	-3.5	3.1	5.9	8.7	3.0	4.1	5.3	1.7
Euro Zone	-7.2	2.7	5.0	6.9	3.0	3.9	4.3	1.5
Japan	-5.2	1.4	2.4	3.7	0.9	2.4	3.9	1.0
UK	-11.4	2.3	5.3	8.1	4.5	5.5	6.5	2.5
Emerging Markets	-2.0	6.0	7.4	8.8	3.8	4.7	5.7	4.2
China	2.3	8.0	9.0	10.0	4.8	5.4	6.0	4.7
India	-5.7	9.0	9.8	10.9	5.3	6.0	7.0	6.0
Brazil	-4.0	2.1	4.3	5.5	1.3	2.7	4.3	2.2
Russia	-4.0	1.1	3.4	5.6	2.6	3.2	3.8	1.8

Note: Aggregates are PPP-weighted.
 Source: Bloomberg, Haver Analytics, IMF, Morgan Stanley & Co. Research as of Nov. 15, 2020

Emerging Markets Boarding the Reflation Train

The emerging markets ex China, which initially lagged the recovery, are catching up. The COVID-19 situation is improving across a large swath of the emerging markets, allowing policymakers to reopen their economies further even before a vaccine becomes available. Trade-dependent economies such as South Korea and Taiwan are already well into their recoveries, while in the large, arguably more domestic demand-oriented economies, such as India and Brazil, a number of indicators have recently exceeded pre-COVID-19 levels and are registering positive year-on-year growth (see table). What’s more, we expect rising support from external demand, especially driven by a wider US current account deficit, low US rates and a weak US dollar. We add to that China’s growth impulse and the lagged effects of monetary easing and liquidity provision. All told, these factors should continue into 2021, with emerging markets growth rising to 7.4% on an annual basis, which is higher than the consensus expectation of 6.3%.

The Inflation Regime Change in the US

Every recession leaves an indelible mark, and 2020’s COVID-19 recession is no exception. Post 2008, the consensus slowly but surely got to grips with how economies would evolve in the wake of the financial crisis and the long-lasting effects it would have. This time, we think it is inflation dynamics that have fundamentally changed, and consensus has not fully embraced this notion. We see a strong case for the return of inflation in this cycle, especially in the US. Ellen Zentner, MS & Co.’s chief US economist, expects core Personal Consumption Expenditure inflation to reach a 2% annual rate by the second half of next year and rise above 2% a year on a sustained basis starting in 2022.

We have been highlighting for some time that political and economic triggers would bring about changes leading to higher inflation in this cycle. To recap, we saw the declining wage share in GDP, rising income inequality and declining natural interest rates as catalysts for policymakers to take action. In effect, this meant policymakers were warming to the idea of using fiscal policy actively and were moving toward disrupting the trio of tech, trade and titans that had played a role in depressing wages and their transmission to inflation.

LABOR MARKET. As the recession hit, it exacerbated preexisting trends in income inequality. Low-income households have borne the brunt of this recession, accounting for as much as 68% of the private sector job losses from February to April. While decisive policy stimulus has helped to lift economic output, the accelerated restructuring of the economy has driven a divergence between economic activity (which has been on a V-shaped recovery) and the labor market. As a case in point, despite US GDP being at 97% of pre-COVID-19 levels in the third quarter, the underlying adjusted unemployment rate is still at 10.2% versus a pre-COVID-19 run rate of 3.5%.

Against this backdrop, policymakers have made clear their intent to enact policies that would help lower-income households, either via direct fiscal action or indirectly by allowing the economy to run “red hot.” By the first quarter, US GDP should reach 98.7% of pre-COVID-19 levels, yet policy support will likely remain very accommodative. We expect the Federal Reserve to keep the federal funds rate at zero while continuing to expand its balance sheet further—by \$1.3 trillion over the course of 2021. We are expecting further fiscal stimulus to be enacted, which will keep the fiscal deficit relatively high at 10.7% of GDP in 2021 relative to 15.2% in

ON THE MARKETS

2020. With these accommodative policy stances unchanged even as output nears pre-COVID-19 levels in 2021, they will only help to lift aggregate demand and, along with it, inflationary pressures. For context, GDP was last close to these levels in 2019's fourth quarter when the policy rate stood at 1.625%, the Fed's balance sheet was 19.2% of GDP and the fiscal deficit for 2019 was 4.8%.

All told, we expect inflation to rise above 2% 22 months after the start of the recession, about 2022 onward, and to be sustained above that thereafter. After the last two recessions, it took 40 and 50 months, respectively, to get that high. ■

ECONOMICS

US Economy: Resilient and Self-Sustaining

Ellen Zentner, Chief US Economist, Morgan Stanley & Co.

Our base case is that the pace of recovery picks up steam after a difficult winter as it returns to normalization. We expect the rising threat of COVID-19 to dampen growth through the first months of 2021, but for the baseline level of activity created by momentum through the fall to be enough to sustain the economy and lift our GDP growth forecast to an annualized 5.9% (see table). Moreover, further fiscal support is likely to come in reaction to the rise in hospitalizations and renewed restrictions, and it could include increased money for testing, tracing and vaccine distribution, as well as income for households. We expect a 4.1% annual rate for 2022 GDP growth. Also in our forecast, the US economy returns to its pre-COVID-19 level of output in the second quarter of next year.

LOWER UNEMPLOYMENT. The post-vaccine recovery encourages increased labor-force participation, while a faster pace of economic output creates plenty of space for new entrants into the labor market. On balance, this brings the unemployment rate down to 5.1% in the fourth quarter of 2021 and 4.0% in the fourth quarter of 2022—a historically sharp decline (the most recently reported jobless rate is 6.9% for October 2020). The drop in unemployment, in turn, supports growth in labor income throughout the forecast horizon.

Following a difficult winter with sequential declines in consumer spending into the new year, we expect growth in labor income and broad dissemination of a vaccine in spring 2021 to help services spending catch up to goods spending—which had already moved above its pre-COVID-19 level in the second quarter—by midyear. Meanwhile, low mortgage rates, sizing up and continued outmigration from city centers keep housing activity strong, which in turn fuels home-related spending.

FISCAL IMPACT. Fiscal expansion, when done early in a recovery, has the most impact and lifts inflationary pressures

further. We have repeatedly made the case that inflation will surprise to the upside in this cycle, and indeed both consensus and the Fed have risen to our forecasts this year. Still, we take our expectation for core measures of inflation higher over the forecast horizon. Our expected level of unemployment points to a substantial closing of the employment gap, which supports higher core Personal Consumption Expenditure (PCE) inflation, as does increased aggregate demand. We forecast core PCE inflation to move through the 2% annual rate on a sustained basis starting in late 2021, then rising further to 2.2% at the end of 2022.

With our stronger outlook, we expect the Federal Reserve to begin to take its foot off the accelerator by reducing the pace of its asset purchases beginning in January 2022. This is one quarter earlier than we previously anticipated. An outcome in line with our expectation would bring the size of the balance sheet to \$8.7 trillion by the end of 2021 and \$9.0 trillion by the end of 2022. Seeing inflation sustained at or above a 2% annual rate for a time with substantial progress towards maximum employment, the Fed begins to raise the target range of the federal funds rate from the zero bound in 2023's third quarter, nine months earlier than our previous expectation.

DOWNSIDE RISK. Where can we be wrong? The downside risks are dominated by COVID-19's path, particularly if it worsens in the absence of further fiscal stimulus. If so, a more drawn-out recovery leads to longer stints of unemployment and greater permanent job loss. An earlier, robust dissemination of the vaccine and Democrats completing a larger portion of their wish list are key drivers of upside risk that could lead to materially higher GDP growth. ■

Morgan Stanley & Co. US Economic Forecast

	2020E	2021E	2022E
Real GDP (%)	-3.5	5.9	4.1
Private Consumption	-3.8	6.0	4.0
Government Consumption	1.2	1.5	1.8
Gross Fixed Investment	-1.6	5.9	4.9
GDP Contribution (percentage points)			
Final Domestic Demand	-2.9	5.6	4.2
Net Exports	0.2	-0.9	-0.4
Inventories	-0.7	1.2	0.4
Unemployment Rate*(%)	6.7	5.1	4.0
Consumer Price Index (%)	1.2	1.8	2.5
Core PCE** (%)	1.5	1.9	2.2
Policy Rate (%)	0.125	0.125	0.125
General Govt. Balance (% of GDP)	-15.2	-10.7	-4.5
Gross Govt. Debt (% of GDP)	125.1	128.0	126.0
Current Account Balance (% of GDP)	-3.2	-3.8	-4.0

*End of period **Personal Consumption Expenditure Index

Source: Bureau of Economic Analysis, Bureau of Labor Statistics, Morgan Stanley Research as of Nov. 15, 2020

EQUITIES

Strong Growth, Strong Returns

Michael Wilson, Chief US Equity Strategist, Morgan Stanley & Co.

Graham Secker, Head of European and UK Equity Strategy, Morgan Stanley & Co., International plc+

Jonathan Garner, Chief Asia and Emerging Market Equity Strategist, Morgan Stanley Asia Limited+

This time last year, we wrote that the late-cycle economic backdrop, elevated valuations and heightened investor optimism would translate into below-consensus expectations for earnings per share (EPS) and subdued single-digit returns. Now, the pandemic leaves us in quite a different place. We believe that we have now transitioned to an early cycle environment, which implies strong profit growth that we believe is not yet priced in the markets (see table).

We Forecast Solid Equity Returns Across the Developed Markets in the Next 12 Months

Index	Current Price	New Target Price – December 2021 (change from current price)		
		Bull	Base	Bear
S&P 500	3,575	4,175	3,900	3,375
		18%	10%	-5%
MSCI Europe	1,562	1,870	1,730	1,410
		20%	11%	-10%
TOPIX	1,726	2,000	1,870	1,300
		16%	8%	-25%
MSCI Emerging Markets	1,182	1,400	1,250	900
		18%	6%	-24%

Source: FactSet, Morgan Stanley & Co. Research as of Nov. 15, 2020

When economies emerge from recession, there is concern about the speed and strength of recovery. Still, the degree of uncertainty here is arguably greater than normal, given the unprecedented pandemic and record monetary and fiscal stimulus. Although the increase in COVID-19 cases in Europe and the US may lead to some near-term economic weakness, it is unlikely to derail a strong profit rebound during the next 12 months, in our view. Instead, strong nominal GDP growth next year implies a sizeable acceleration in revenue growth, which should be turbocharged by impressive operating leverage. Our top-down 2021 EPS growth forecasts for all regions are 25% to 30%, with further double-digit growth expected in 2022, too (see chart).

UNSETTLING UNCERTAINTY. Although rising COVID-19 cases and recent geopolitical uncertainty can be unsettling for investors, in our opinion they also have the benefit of muting investor sentiment and ensuring the strong growth outlook we envisage is not priced into equity markets. For example,

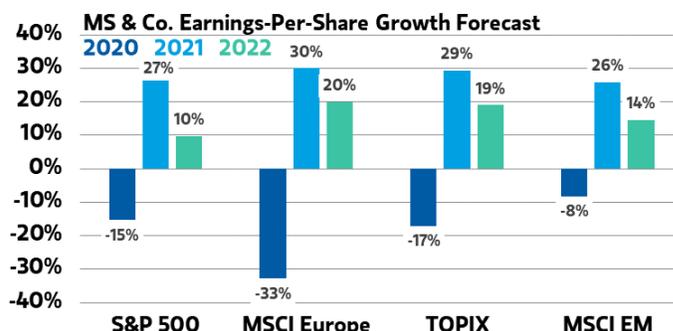
there's a close link over time between the respective year-on-year change in the global purchasing managers index (PMI) and MSCI World Index. However, the equity index is currently lagging by an unusual amount; this time last year, equities were running ahead of the PMI. This analysis becomes even more compelling when we measure the PMI against the relative 12-month return of stocks versus bonds; the latter catching up to the former would require a 35% outperformance. Alternatively, we can flip this logic and say that asset markets are pricing in a sub-50 global PMI instead of the current 53.3.

The unique cause of the 2020 recession has meant policymakers have been given unprecedented latitude to respond without meaningful pushback, whether that is record peacetime fiscal deficits or large-scale Quantitative Easing. While this has proved critical in supporting asset markets through this year, what may also prove unique is its persistence into the recovery, with our economists expecting further fiscal and monetary stimulus during 2021. In their recent report, our bond strategists highlighted that developed market central banks look set to add liquidity worth 0.76% of annual nominal GDP, on average, every month in 2021.

HIGHER FOR LONGER. Policymakers' desire to maintain substantial policy support into the recovery should allow elevated equity valuations to remain higher for longer. Hence, although valuations look somewhat rich in absolute terms, we expect these multiples to moderate only modestly during the next 12 months—given that central banks will not be tightening policy into the earnings recovery, as usually occurs, and equities continue to look attractive versus bonds. This should provide even greater support to stocks at the beginning of a new cycle when confidence about the subsequent EPS outlook is highest.

We believe risks around our base case lean in a positive direction. The implied upside under our bull case assumptions is materially bigger than the downside in our bear case for the

We Expect a Strong EPS Recovery Across All Regions Next Year



Source: Morgan Stanley & Co. Research as of Nov. 15, 2020

ON THE MARKETS

US and Europe. We believe that the bear case revolves around either a COVID-19-related disruption having a longer-than-expected impact on economies or a more significant rise in bond yields driving a material decrease in valuation. Upside risks could come from greater-than-expected operating leverage, pushing EPS growth even higher, or a further rise in equity valuations, perhaps prompted by an asset allocation shift into equities or an upturn in mergers and acquisitions given an encouraging backdrop of rising earnings, reasonable valuations and cheap and abundant liquidity.

We prefer the developed markets to the emerging markets. Our top-down forecasts suggest comparable upside across all three main regions, albeit with different drivers. For example, strong ongoing price and earnings momentum should continue to support the US. Europe and Japan should benefit from global deflation, given their greater value characteristics. As for Asia and the emerging markets, we expect China's performance to moderate versus the rest of the emerging markets, and we have upgraded India to overweight.

As befits the start of a new cycle, we have a preference for cyclical, especially in the US and Europe, where we are also overweight financials. The prospect of higher bond yields and strong earnings growth suggests that greater valuation discipline is needed than previously, so we are cautious on expensive defensive/growth stocks.

US

We see upside into 2021 on the back of robust earnings, not valuations. With nominal annualized US GDP growth of about 7% and global GDP growth of about 9%, we expect the top line to rebound with powerful flow-through to earnings, given companies' focus on costs. This recovery is no different from others, and we'll pass peak earnings before peak sales as margins lead the way. Evidence for the rebound has been mounting, with most parts of the market outside of a few areas more directly affected by COVID-19 already seeing a return to year-on-year operating profit growth as cost cuts have offset top-line declines. Our base case for additional fiscal stimulus even in a divided government scenario supports the consumer balance sheet and a path to reopening from the end of the first quarter. As such, we think that earnings growth will be significant and surprise to the upside. Higher long-term interest rates will be a headwind to valuation, but we expect a partial offset from falling equity risk premiums. On balance, we see upside as earnings growth exceeds compression in price/earnings ratios.

Normally, uncertainty rises with time, but today we have higher conviction in our six-to-12-month view than in our three-month outlook. Near term, the market still needs to work through COVID-19's second wave, doubts around fiscal stimulus and the Georgia US Senate runoff. Ultimately, we expect fiscal support to come through and see the size of

support as correlated with the impact of the virus. In other words, we see fiscal policy ready to offset COVID-19's economic fallout and take 2020's lesson that concerted fiscal and monetary policy can be an effective economic support. In the near term, with full valuations and a seasonal gap in data to confirm better earnings, we see the market as range-bound with risks skewed lower. We advise using pullbacks to add risk, particularly cyclical assets.

In line with our recession playbook, we retain our preference for small caps over large caps and cyclicals over defensives. High-quality and certain secular growth stocks remain richly valued and are likely to re-rate relatively lower as long-term interest rates rise. We continue to recommend a barbell of reasonably priced growth stocks with cyclicals that will flourish in the recovery. At the sector level, we are overweight financials, industrials, materials and health care. We are underweight consumer staples and utilities.

Europe

It appears that 2020 will go down as the worst year for European equities' relative performance since the 1980s, reflecting the region's materially weaker economic and profit growth. However, poor 2020 performance should set Europe up for a strong rebound next year and into 2022 as well; we forecast EPS growth of 30% in 2021 and 20% in 2022.

Given COVID-19's significant impact on the European economy, it should be a relative beneficiary of positive vaccine news. The EU recovery fund should also be formally signed in due course, with proceeds starting to be distributed in the second half of 2021, supporting materially above-trend GDP growth in 2022 and 2023. Europe's relative valuation characteristics also mean that it is less vulnerable to higher global yields.

Within Europe, we prefer cyclicals over defensives and selected value sectors over expensive quality stocks; reopening beneficiaries look attractive to us as a source of cheap cyclical with an impending catalyst. We are overweight financials, materials and consumer services; we are underweight consumer staples, health care, energy and software.

Asia/Emerging Markets and Japan

"Reversion to the mean" thinking is particularly dangerous in an era of profound and accelerating structural challenges, including technological disruption, COVID-19/health care, climate change and the investment implications of a shift to a multipolar world. We are leaving several key core preferences unchanged. Most notably, we still expect Japan and China (specifically A-shares) to continue to outperform versus Asia/emerging markets over the cycle, with energy and banks lagging. Within China, we are transitioning to late-cycle plays. We are also upgrading India to overweight given structural reforms and a strong expected growth recovery. ■

ON THE MARKETS

FIXED INCOME

G10 Interest Rates: Reflation vs. Liquidity

Matthew Hornbach, Global Head of Macro Strategy, Morgan Stanley & Co.

A combination of a continued V-shaped economic recovery aided by vaccines, modest fiscal support and a dovish Federal Reserve should allow US Treasury yields to move higher in the new year, led by the longer maturities. The benchmark 10-year yield, now at 0.85%, should trade slightly below 1.5% by the end of 2021 (see table). A successful COVID-19 vaccine would support the next leg of our V-shaped recovery narrative. We see Treasury yields rising in the first half as the vaccine becomes more widely available.

Consistent with the Fed's average inflation targeting policy, policymakers will prefer to wait for actual improvement in data—rather than expected improvement in data—before acting, particularly for inflation. Within this reactive approach, our economists see a low likelihood that the Fed makes substantive changes its economic projections before June 2021, allowing the yield curve to steepen and inflation breakeven rates to head toward 2%.

The role of fiscal policy takes a back seat in our Treasury yield forecasts, given the relatively smaller fiscal stimulus expected under a likely divided government, as well as lowered needs for increasing coupon sizes in 2021, given the significant increases in coupon sizes in 2020. Moreover, our public policy strategists expect fiscal stimulus to be more reactive to economic or market weakness, rather than proactive, further lowering its impact on Treasury yields.

Yield moves occurring in 2022 are more reflective of the Fed looking to dial down accommodation, as our economists expect the Fed to move toward a tapering of Treasury purchases in 2022's first quarter. We see real yields starting to rise in 2022, while breakevens stabilize. We expect the nominal 10-year yield to hit 1.85% by the end of 2022.

Euro Zone

We see Bund yields rising gradually above current market levels with a modest steepening bias in the two-year/10-year and five-year/30-year yield curves in 2021 and into 2022. Even so, we expect Bund yields to remain negative up to the 10-year maturity. Supply is likely to increase across the Euro Zone in the first half as governments again look to front-load their issuance into the first half of the year. However, expected bond purchases by the European Central Bank (ECB) should lead to negative net supply for the year. All told, that will likely mean that any rise in Bund yields will have less to do with the Euro Zone specifically and more to do with the prospect of rising US Treasury yields. However, a faster-than-expected distribution of a global vaccine could lead markets to question whether, first, the ECB continues with bond purchases for the entirety of the year and, second, whether core Euro Zone countries pull back on fiscal expansion faster than expected.

UK

The outlook for gilts is likely to remain highly uncertain given Brexit, questions about the Bank of England's (BOE) willingness to adopt a negative policy rate, ongoing lockdowns, the outlook for the budget/supply due to extended government furlough and assistance programs, the Scottish elections and, finally, the speed of BOE gilt purchases in 2021. We forecast gilt yields to rise modestly in 2021 with a steepening bias to the two-year/10-year and five-year/30-year yield curves.

Japan

Although the continued global economic recovery will likely weigh on global bond markets, we continue to expect the Bank of Japan's strong commitment to yield curve control to prevent a large rise in yields. We expect the yield on the 10-year Japanese government bond to end 2021 at 0.00%. We maintain a constructive view on the long end, although we anticipate higher term premiums in response to the global V-shaped recovery and subsequently higher global bond yields. We expect the 30-year yield to end 2021 at 0.55%. A key risk for our view is that another serious lockdown related to COVID-19 forces the government to implement another fiscal stimulus program. ■

Morgan Stanley & Co. Government Bond Yield Forecast

Maturity	Two-Yr.		Five-Yr.		10-Yr.		30-Yr.	
Country	2Q '21	4Q '21	2Q '21	4Q '21	2Q '21	4Q '21	2Q '21	4Q '21
US	0.35%	0.40%	0.65%	0.70%	1.30%	1.45%	2.20%	2.40%
Germany	-0.60	-0.55	-0.60	-0.50	-0.35	-0.20	0.15	0.35
Japan	-0.15	-0.15	-0.10	-0.10	0.00	0.00	0.55	0.55
UK	0.00	0.10	0.20	0.30	0.55	0.70	1.05	1.20

Source: Morgan Stanley & Co. Research as of Nov. 15, 2020

CURRENCIES

Global Recovery Equals US Dollar Weakness

Matthew Hornbach, Global Head of Macro Strategy, Morgan Stanley & Co.

The US dollar topped this year, and we forecast it to weaken further in 2021, falling about 4% as measured by the US Dollar Index (DXY). We expect the euro, now at 1.18, to trade at 1.25 by this time next year (see table). Liquidity from central banks is still ample and expanding, while supportive government fiscal spending should help risk assets to rise, particularly into the first half of 2021. The greenback tends to weaken alongside strong global growth, which is in our forecast, too. US real yields are expected to stay low. Catalysts that will weaken the dollar include: continued announcements of successful COVID-19 vaccine trials and then the distribution of the vaccine; agreement on a Brexit trade deal; spending from the EU recovery fund; and a continuation of low fed funds rates even as economic growth picks up.

SAFE HAVEN. We continue to see the dollar as the best safe-haven currency in the G10, rising in times of risk-off and falling in times of risk-on. This is because, now that US nominal rates have converged to global peers, the dollar is likely to be used as the funding currency of choice for foreign exchange carry trades or, increasingly, for corporate borrowing. Second, global investors that accumulated dollar-denominated assets in the last five to seven years may now choose to hedge those assets as the cost to hedge is cheaper and the dollar is in decline. We expect Japanese and Euro Zone investors to increase their dollar hedges in 2021.

Since floating exchange rates began in the 1970s, the dollar has had two full up and down cycles. The bearish cycles were on average six to seven years in length, which suggests that if March 2020 was the DXY's peak, the dollar will still be in the middle of that downtrend next year. The downward journey may not be as smooth as it was in the late '80s or early '00s. Historical analysis of Fed rate cycles shows that big DXY peaks occurred around 20 months after the market started to price in the rate-cutting cycle. This pattern occurred again

recently, with the two-year US Treasury yield peaking in November 2018, and the DXY following suit 16 months later in March 2020.

POLICY EASING. The combination of fiscal and monetary easing has caused investors to question which will be more important in driving currency price action. Historically expansionary fiscal policy coupled with more austere monetary policy has been most currency-positive, with dovish monetary policy and tight fiscal policy being the most currency-negative. In the end, we think that fiscal spending will be more important in 2021, as this has a more direct impact on growth. Markets will be most focused on whether the prospective new US administration can deliver large fiscal support, which would be bullish for risk and bearish for the dollar. The size of the stimulus is dependent on whether the Democrats win the Georgia Senate seats on Jan. 5. Globally fiscal stimulus is expected to continue but at a smaller scale than in 2020, while monetary policy is expected to remain accommodative.

The risks to our bearish dollar outlook mainly center on the path of global growth, which is affected by the availability of an effective COVID-19 vaccine. After the positive outcome from the Pfizer vaccine, our biotech analysts expect other positive Phase 3 trial news and distribution around March or April. The dollar would strengthen if a vaccine isn't available next year and economies return to lockdowns.

RAISING RATES? We also assume that the Federal Reserve will be tested on its average inflation targeting framework when the US economic outlook improves. Should some Fed members decide to talk about when to raise rates due to stronger inflation and employment, then the dollar weakness may not be as large as we forecast. Most developed market countries are facing risks of high debt levels and unemployment due to COVID-19 restrictions and lockdowns. So, any worries about those issues continuing after global travel resumes could be a worry for risk markets and bullish for the dollar. ■

Morgan Stanley & Co. Currency Forecasts

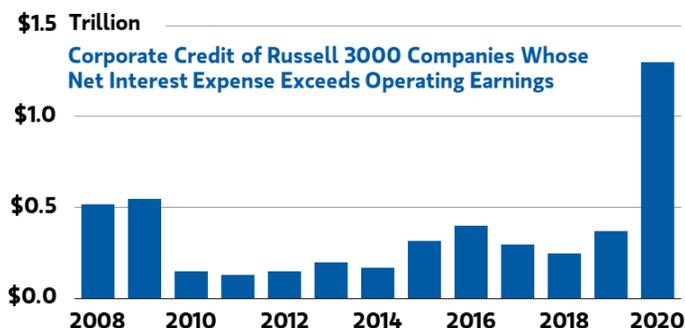
Currency vs.								
US Dollar	1Q '21	2Q '21	3Q '21	4Q '21	1Q '22	2Q '22	3Q '22	4Q '22
Euro Zone	1.20	1.23	1.24	1.25	1.24	1.23	1.22	1.21
UK	1.33	1.35	1.32	1.32	1.32	1.32	1.32	1.32
Japan	103	103	104	105	105	105	105	105
China	6.55	6.50	6.45	6.40	6.38	6.37	6.36	6.35

Source: Morgan Stanley & Co. Research as of Nov. 15, 2020

Short Takes

With Easy Access to Cheap Financing, “Zombie” Companies Are on the Rise

“Zombie” companies are defined as companies whose interest expense is greater than their operating income. In this sense, they are losing money every quarter but survive by financing and refinancing with cheap debt. An analysis of the Russell 3000 Index—a broad metric covering 98% of US companies—shows that, based on third quarter earnings, zombie company debt is at an all-time high of more than \$1.3 trillion (see chart). Recessions typically wash out the weakest companies alongside market excesses, but this time has been different. The Federal Reserve’s actions to ease financial conditions provided much needed support for financial markets. It also threw a lifeline to zombies, which, in combination with federal aid to business, has also helped keep them in operation.—*Nick Lentini*



Source: Bloomberg as of Nov. 17, 2020

China’s Emergence From Recession Can Be Seen in Global Equities



Source: Bloomberg as of Nov. 19, 2020

Jonah Silverman

China emerged from recession months ago, and investors globally have taken notice. The MSCI World With China Exposure Index—the 50 companies in the MSCI World Index with the highest revenue exposure to China—has outperformed the MSCI World Index by 12 percentage points so far this year (see chart). China posted 4.9% year-over-year GDP growth in the third quarter, and MS & Co. economists forecast 9.0% GDP growth for China in 2021. We find investment in China attractive due to positive real interest rates, improved corporate debt dynamics and a strengthening renminbi. China also stands to benefit from the new Association of South East Nations trade pact, potentially less-volatile trade relations with the US and a weaker US dollar.—

Copper’s Rebound Points Toward Strong Emerging Market Performance

Copper prices have rallied since their March lows, and strong fundamentals present a constructive outlook. MS & Co. metals analysts are bullish on copper and forecast a rising price through 2021. This is supported by a high market deficit caused by weak supply growth, low global inventory and weakening inflation expectations. What’s more, within the expected V-shaped global economic recovery, copper is likely to be resilient. This should bode well for emerging market equities as they have a high correlation with copper prices (see chart). As both the largest producers and consumers of the metal, copper’s rising price is a sign of emerging markets’ economic acceleration.—*Vibhor Dave*



Source: Bloomberg as of Oct. 31, 2020

POLICY

Policymakers and the Pandemic: Defining a New Business Cycle

Lisa Shalett, Chief Investment Officer and Head of the Global Investment Office, Morgan Stanley Wealth Management

Nick Lentini, Associate, Morgan Stanley Wealth Management

The following is a summary of our Nov. 9 Special Report. For the complete report, contact your Financial Advisor.

The business cycle that followed the Great Financial Crisis (GFC), one of the longest in duration and most sluggish in modern history, came to an abrupt end in March 2020 when the COVID-19 pandemic forced an economic shutdown. As is always the case, the cycle was uniquely defined by what led up to it and the policy actions employed to combat the damage from the preceding recession. That cycle (post GFC) was one of secular stagnation, including: below-average GDP growth, weak capital deepening, poor productivity gains, deflation and deleveraging by systemically important banks and households. An aging population exacerbated the dynamic with excess savings far outstripping growth and investment opportunities. The policy backdrop was dominated by the Federal Reserve’s embrace of financial repression, executed through Quantitative Easing (QE) and \$4 trillion worth of balance sheet expansion. Those actions brought the 10-year US Treasury yield to an all-time low of 0.5% this year, from nearly 4% in 2009. While the Federal Reserve’s bond purchases injected liquidity and greased financial conditions, actual money growth was unremarkable at a 6.2% annualized rate. The velocity of money plummeted

as banks rebuilt reserves and recapitalized balance sheets. Banks’ returns on equity froze under the chill of regulation.

Legislators, for their part, were parsimonious following the initial government bailouts of 2009-2011, with fiscal action focused on deregulation and then on 2017’s historic corporate tax cut. That cut took the maximum corporate tax rate to 21% from 35%, and companies largely used the cash on the biggest-ever wave of share repurchases. At the same time, corporate debt markets grew more than sixfold, as issuers exploited capital costs at all-time lows to recapitalize balance sheets, leaving nonfinancial business debt relative to GDP at a record 57%. By the cycle’s end, unemployment had reached a 50-year low, corporate profits as a share of GDP hit a record high and inflation remained frustratingly low, all while income gains for the average American household stalled.

FIVEFOLD GAIN. Although these forces did little to lift real wages, they produced one of the best decades ever for investors. Falling interest rates, shrinking share bases and soaring corporate profits powered a more than fivefold increase in the S&P 500 Index between its 2009 nadir and the Feb. 19 high; the compound annual return of nearly 15% was twice the post- World War II average. The period also coincided with the golden age of private equity, which drove a widening wealth gap and exacerbated the income inequality divide that had been growing for 40 years. This confluence of policy, economics and social outcomes was pushing political polarization to extremes as the global pandemic hit. As a result, the current recession, in which the seeds of the next business cycle germinate, was made all the more unique by

How the Economy Moves From Secular Stagnation to COVID-19 Recession and Expansion

	Post-GFC/Age of Secular Stagnation 2009-Feb. 2020	COVID-19 Recession March 2020- June 2021	Post-COVID-19 Expansion July 2021
Metric	Actual	Estimate	Estimate
Real Average Annual US GDP Growth	1.8%	-5.7%	2.5%-3.5%
10-Yr. Nominal US Treasury Yield	To <1% from 4%	To 1%> from <1%	2.5%-4.0%
Annual Core PCE Inflation	1.6%	1.3%	2.2%-2.5%
Trade-Weighted US Dollar Change	28.2%	-8%	-10%
US Government Debt/GDP	Rose to 100%	103%-105%	TBD
Annual Average Productivity Growth	1.4%	N/A	2.2%
Average Annual Wage Growth	1.6%	N/A	2.0%+
Corporate Tax Rate	To 21% from 35%	21%	Expected to rise to 28%
Peak Corporate Profits Share of GDP	12%	6%	8%
S&P 500 Average Annual Price Gain	14.8%	7.0%-8.0%	4.5%-5.5%
Average Trailing Price/Earnings Ratio	24.5	27.0	20.5

Source: Morgan Stanley Wealth Management Global Investment Committee as of Nov. 9, 2020

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the nature of the COVID-19 crisis itself, as it exposed yet additional dimensions of social inequality.

As we write this, the coronavirus pandemic is still with us, somewhat coloring our conclusions with the myopia of current conditions. For investors, it seems the threats to personal health, the global scale of the pandemic, the damage it has already inflicted—more than 1.2 million fatalities worldwide and more than 233,600 in the US (as of Nov. 4)—and the unfathomable impact to daily life that the pandemic has wrought has obfuscated the need for critical reflection on the nascent business cycle. For now, most eyes are focused simply on the hope of recovering to prior levels of activity.

Already, equities, as measured by the S&P 500 Index, have fully recovered from the coronavirus-related bear market that started in March. The index posted an all-time high of 3,627 on Nov. 16, reflecting gains of more than 60% from the trough and 14.1% for the year to date.

UNPRECEDENTED POLICY ACTION. Certainly, we have acknowledged the drivers of the stock market's optimism. Monetary and fiscal policy action have been outsized and unprecedented. The Fed, leveraging its balance sheet and lending programs to the fullest, has already injected more than \$3 trillion into fixed income markets in 2.5 months—an amount it took them 2.5 years to spend after the GFC. Congressional authorizations of direct payments and lending programs have also totaled \$3 trillion thus far. This brings cumulative stimulus of more than 25% of annual GDP against 2020 GDP recession shortfalls that are now estimated at only 3% to 5%. In fact, there is powerful evidence that the economy has weathered the worst of the storm: Personal income, savings rates and spending are strong, considering that nearly 30 million people have filed for some form of unemployment insurance. Furthermore, evidence of a V-shaped economic recovery has been validated in manufacturing indexes, housing reports, capital goods orders and even labor markets.

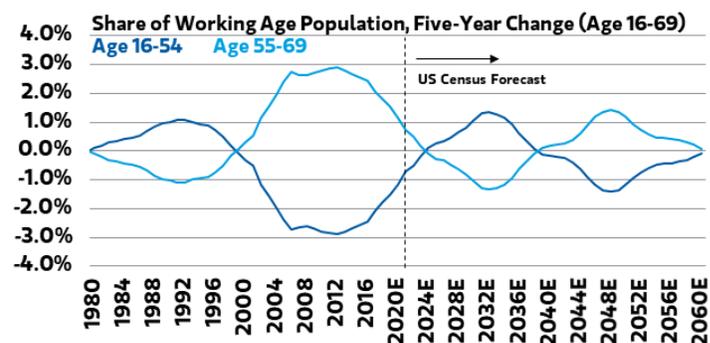
That said, the composition of the market recovery has, for the most part, reminded observers of last cycle's market behavior. The leaders have been long-duration assets, mega-cap tech stocks and passive indexes. We understand that many investors presume that what worked from 2009 through 2020 will work in the next cycle. After all, the behavioral changes required of quarantines and "work/learn from home" have accentuated the dominance of current market leaders in tech, mobility and social media. Many feel the factors that characterized the age of secular stagnation—an activist Fed, powerful technology trends and overall deflation—will continue. We strongly disagree, and this report is devoted to articulating that case.

Specifically, our findings are that the new business cycle—and the stock market that accompanies it—will be defined by very different parameters, constraints and policy options than

those in the era of secular stagnation (see table). Perhaps most provocatively, we suggest it was only a crisis exactly like COVID-19 that would simultaneously prompt aggressive and coordinated policy action as well as jump-start and accelerate structural trends—a powerful combination that we view as necessary in order to break the legacy of secular stagnation.

For starters, the combination of remarkable and simultaneous fiscal and monetary stimulus suggests a reflationary expansion that returns GDP to more normal levels of 2.5% to 3.5% per year. Some shifting structural tailwinds that we foretold in our 2016 *Special Report*, "Beyond Secular Stagnation," are also likely to remain positive factors: improved demographics, with the aging out of the baby boomers and the maturation and work force entry of millennials and Gen Zs (see chart); accelerating productivity growth, as tech adoption and innovation focuses more on businesses and less on consumers; and the releveraging of household and bank balance sheets.

Demographic Headwinds Should End as Baby Boomers Leave the Workforce



Source: Haver Analytics as of Oct. 20, 2020

EXOGENOUS SHOCK. COVID-19 has also been an exogenous shock that has likely driven both permanent changes and significantly accelerated trends in place. In the aftermath of the pandemic, we see industry transformations linked to business automation and contactless service models. Delivery for nearly everything, from higher education to health care, is being redesigned in real time, suggesting we are living in a period ripe for radical transformation. Concurrently, we see serious challenges to the outlook for segments of the economy that are becoming obsolete, such as mall-based and Main Street retailing, as well as commercial real estate focused on urban offices. So too, we question the presumed dominance of certain "work from home" (WFH) highfliers, whose 2020 performance constituted, in our minds, one-time peak "pulled forward" demand rather than sustainable growth that could lead markets in the next cycle.

The pandemic has also refocused the national debate on

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health care reform and the wisdom of tying health insurance to employment status, a dynamic amplified by renewed evidence of social and racial inequality. We see populist-driven pressures reviving antitrust regulation, encouraging a new look at tax reform and policies that provide wage and benefit gains for labor. Climate change is also likely to remain a challenge, creating social costs but also investment opportunities in technologies and infrastructure to address the issue. We conclude that, in aggregate, the locus of pressures on corporate profitability will shift meaningfully and reflect these trends throughout the next cycle. Challenges to the incumbency of near monopolists and megacap leaders of the last decade are likely to intensify, while industries left behind in the last decade, such as services and industrial companies, will likely see new opportunities.

POLICY CONSTRAINTS. Even if economic dynamism improves, policy is likely to be constrained, with both monetary and fiscal limits requiring innovation and experimentation. This could bring short-term accommodation for markets and the economy, but also long-term risks. The Fed, already at the zero lower bound (ZLB) on the fed funds rate and committed to unlimited QE, has taken a radical departure from institutional orthodoxy. Policymakers adopted “average inflation targeting” (AIT) and dismissed the relevance of the Phillips curve, actions aimed at driving inflation expectations upward. This represents a break with the 40 years of Fed policy that helped drive the longest bull market in US Treasuries in history, and, in our opinion, speaks to a secular trough in nominal interest rates.

Now, with the Fed out of conventional policy options, policymakers will need to consider more innovative tools—negative interest rates, yield curve control and/or complete debt monetization. Not only is usage of these tools in the economy of the world’s reserve currency mostly untested, but such policies may have unintended consequences. The pursuit of negative nominal interest rates is particularly questionable, as it places huge burdens on banks and creates perverse incentives for customers to seek even further

shelter in shadow banking and the less-regulated cash/payment platforms. Yield curve control and complete debt monetization inevitably mean even bigger central bank balance sheets and complicate the Fed’s political independence.

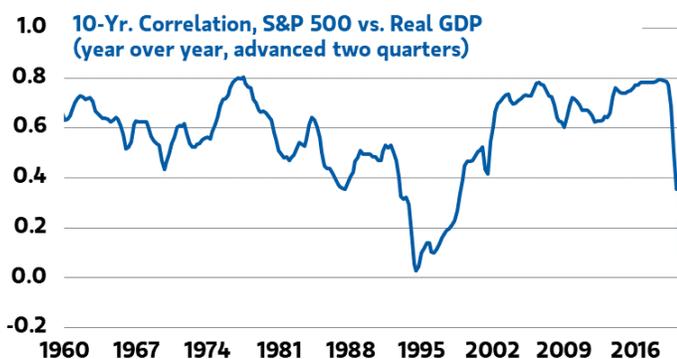
RATE SUPPRESSION. As we take stock of the last cycle’s policy innovations, an obvious irony appears: Policymakers addressed the GFC—a crisis born of excess housing-related debt concentrated on the balance sheets of households and banks—with even more debt. What’s more, central banks like the Fed have also failed to acknowledge the unintended consequences of their money-printing largesse. Essentially, the artificial suppression of interest rates has forced excessive risk-taking and constrained the natural cleansing process of defaults and bankruptcies, thus perpetuating unprofitable “zombie” companies and excess manufacturing capacity. The effect was to reinforce the very excess savings problem that caused secular stagnation in the first place, feeding the very disinflationary and deflationary forces they claim to be combating. Extending and amplifying the policies likely risks exacerbating these problems, even as the markets have risen to new heights—risking asset bubbles.

The policy-driven disconnect between the financial and real economy is even more stark today, as equity markets have shown a negative correlation to economic growth in the past quarter (see chart). Such dynamics also clearly exemplify the Fed’s contribution to rising wealth inequality. Indeed, with political division and rancor, both worsened by inequality, now reaching such a fevered pitch, policy sustainability itself may become a constraint on Fed action, irrespective of the complex political overlays of any particular policy.

Fiscal policy, for its part, is also likely to hit limits, as record annual deficits are now driving the debt/GDP ratio to an extreme last seen following the end of World War II—a dynamic that risks another ratings downgrade of US debt. Although record-low nominal and real rates suggest that the cost of new government debt may not be a near-term constraint, traditional economics notes that high government debt and new taxes to fund spending tend to “crowd out” growth-oriented investment. Furthermore, even if debt is serviceable, the government will need to find buyers. The fraying relationship with China, which holds about 5% of US government securities, presents a great risk to the Treasury market. What’s more, China is aiming to encourage recognition of the renminbi as a reserve currency, which would also create serious competition for both the dollar and Treasury bonds.

MODERN MONETARY THEORY. In the face of such persistent challenges and broken economic relationships, the “conventional” theories about the limitations of both fiscal and monetary policy responses are under question. Among the most provocative and consequential challenges is

The Stock Market and the Economy Have Diverged, Likely Due to Extraordinary Fed Actions



Source: Cornerstone Macro as of Oct. 16, 2020

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“modern monetary theory” (MMT), which advocates an active, expansionary and cooperative role for both fiscal and monetary policymakers. Indeed, MMT’s call for aggressive fiscal policy, financed by debt monetization rather than tax revenues, not only suggests that inflation is the only constraint on policy action, but even calls into question the very distinction between monetary and fiscal policy. Although we have no knowledge of how these policy choices will be pursued, the chances are growing that some combination of new policy innovations will be embraced. In the cycle ahead we see policymakers’ strategy—unspoken but implicit—centering on US dollar debasement, as this is the only way to simultaneously tame both deflation and debt. Importantly, with US relative growth and yield advantages no longer sufficient to offset both the current account and trade deficits, a meaningfully weaker dollar is not simply a wish but is justified by fundamentals.

Positioning for the Post-COVID-19 New Bull Market

	Post-GFC "Age Of Secular Stagnation"	Post-COVID-19 New Bull Market
Equities		
Regions	US	International, especially emerging markets, China and Japan
Sectors	Tech, defensives	Financials, materials, industrials, health care, clean energy
Themes	Smart phone ecosystem, social media	Housing, clean energy, infrastructure/capex, robotics, autonomous vehicles, AI/data analytics, cybersecurity
Capitalization	Mega cap	Large-, mid- and small- stocks
Factors	Low volatility, momentum	Value, quality
Exposure	Passive	Active
US Dollar	Hedged	Unhedged
Fixed Income		
Rates Positioning	Long	Short-intermediate
Credit Exposure	BBB, high yield	Munis, high-quality investment grade
Alternatives		
	Private equity, private credit	Gold, commodities, equity hedge funds, real estate, infrastructure

Source: Morgan Stanley Wealth Management as of Nov. 9, 2020

Ultimately, we conclude that the combination of new chapters in both monetary and fiscal policy will prove supportive of growth acceleration and normalization—but not without consequences. Whether shifting dynamics around inflation and the US dollar come as a direct outgrowth of policy choices or from the transformational impact of the COVID-19 recession itself, the implications are clear: not only higher interest rates and a steeper yield curve, but also a higher cost of capital for corporations and lower valuation multiples. Perhaps equally noteworthy, the lack of dual-policy flexibility means that the vulnerability to future recessions is quite high, while maneuvering room for policymakers is quite limited. These are dynamics that have important implications for stocks and bonds.

RETURN ASSUMPTIONS. Even before the pandemic, our forward-looking return assumptions for US stocks and bonds were weak and below their long-run averages (see *Annual Update of Capital Market Assumptions*, April 7, 2020). Our aggregate investment stance still calls for an equity bull market with stocks outperforming bonds, a preference for value over growth, international over US, small- and mid-versus mega-cap stocks and active stock-picking as opposed to passive index investments.

As for the post-COVID-19 portfolio, we are focused on the risks from the likely failure of stock/bond diversification, rising inflation, rising interest rates and a falling dollar. As a result, we are keen to the following: add real assets such as gold, commodities, inflation-protection securities and real estate; embrace hedge funds for income and absolute returns as bond substitutes; and be willing to consider noncorrelated assets like illiquid investments in infrastructure and green energy (see table). The limitations to investment opportunities in US stocks and bonds have us focused anew on emerging markets, with China’s upcoming decade of financialization a centerpiece of portfolio strategy. Cryptocurrencies are also likely to become a viable investable asset class. The “Five Ds”—demographics, digitization 2.0, deglobalization, debt monetization and dollar debasement—make us even more confident that market leadership could shift away from technology linked to social media and toward next-generation providers in financial services and health care, as well as industrial companies that are embracing technology around robotics, clean energy, sensing and autonomous vehicles, industrial batteries and artificial intelligence. ■

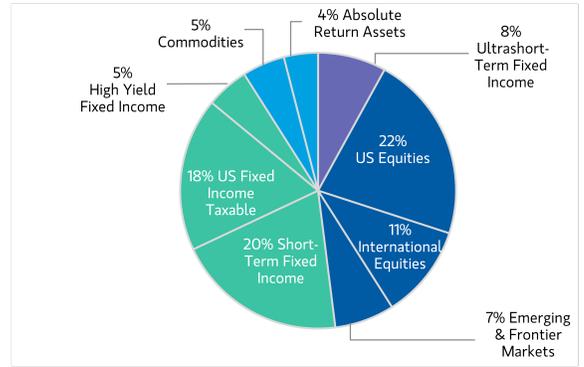
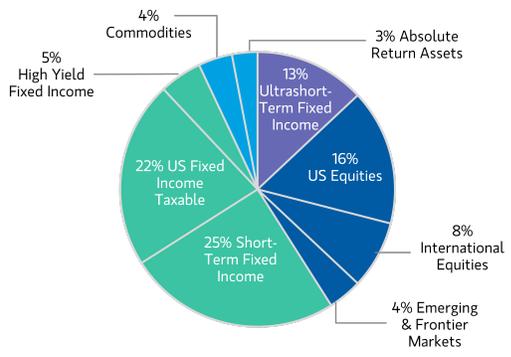
Also contributing this report was Joe Pickhardt, a paid consultant who is not an employee of Morgan Stanley Wealth Management. His opinions are solely his own and may not necessarily reflect those of Morgan Stanley Wealth Management or its affiliates.

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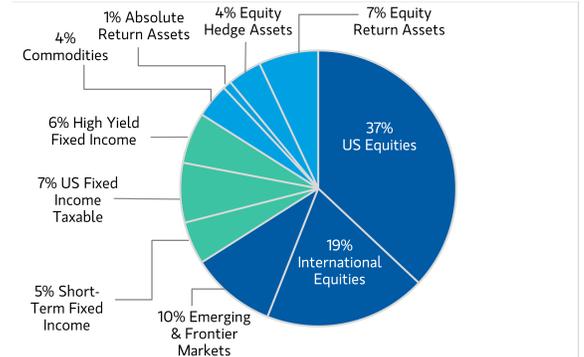
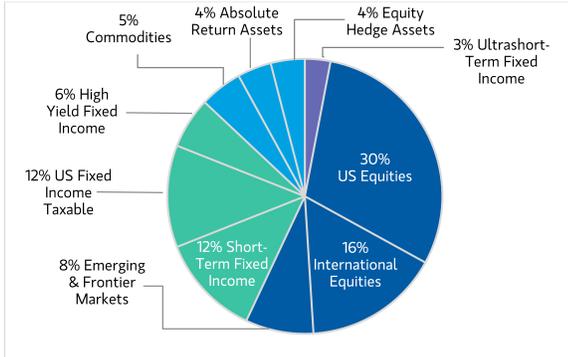
Global Investment Committee Tactical Asset Allocation

The Global Investment Committee provides guidance on asset allocation decisions through its various models. The five models below are recommended for investors with up to \$25 million in investable assets. They are based on an increasing scale of risk (expected volatility) and expected return.

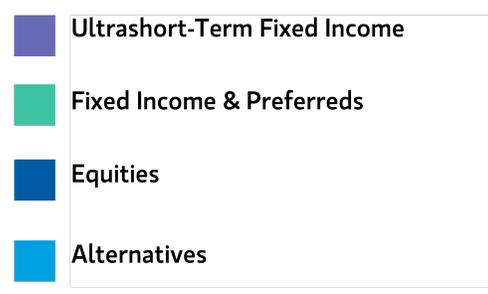
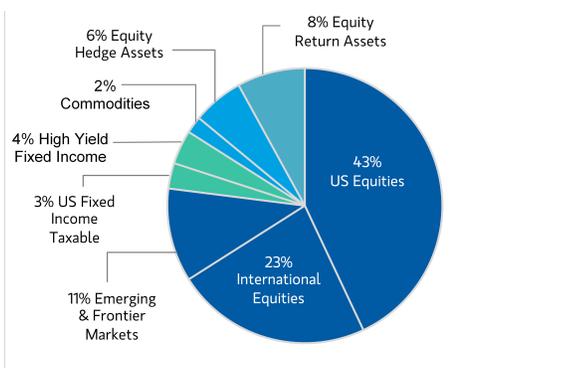
Wealth Conservation **Income**



Balanced Growth **Market Growth**



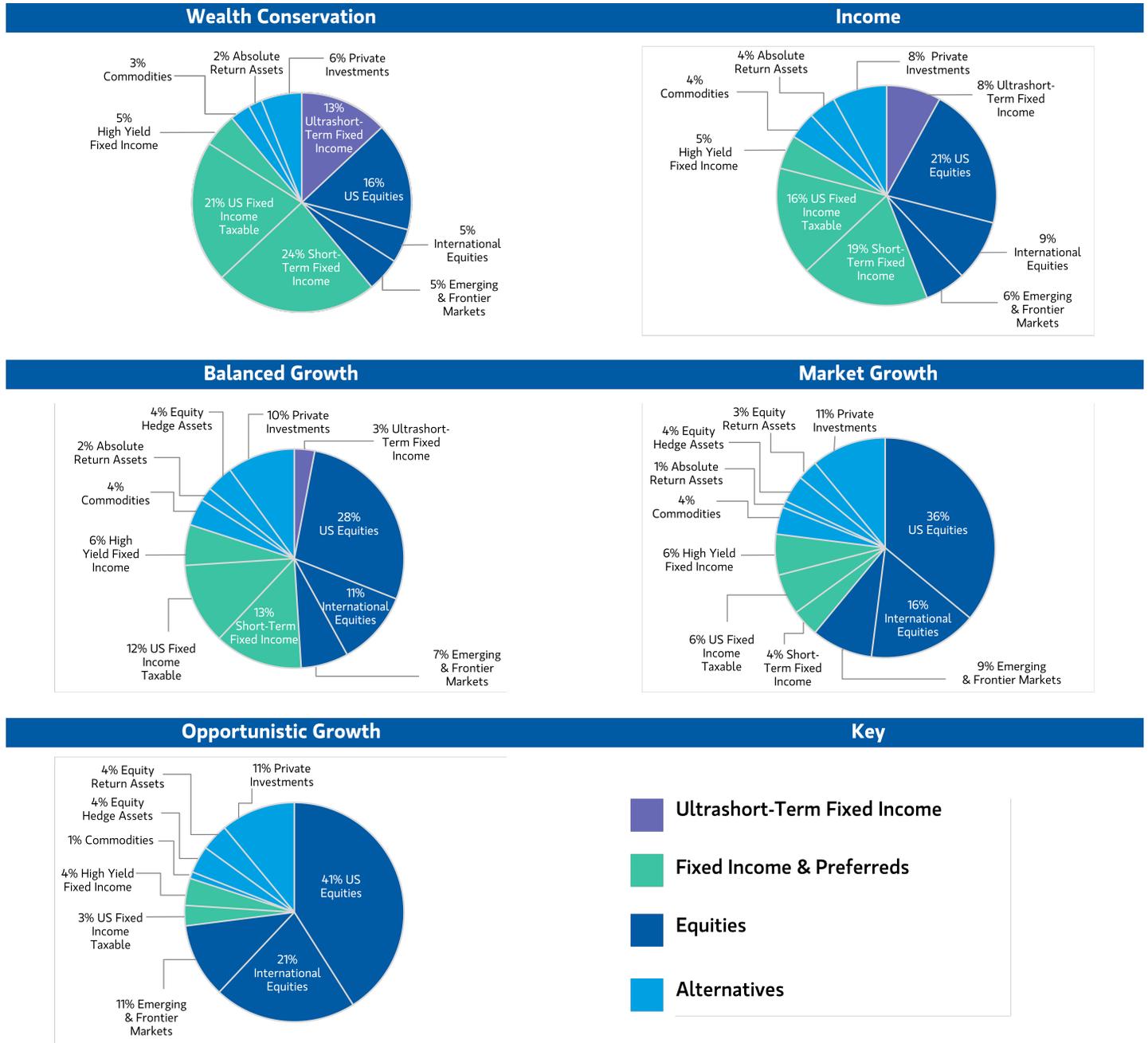
Opportunistic Growth **Key**



Source: Morgan Stanley Wealth Management GIC as of Nov. 30, 2020

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The Global Investment Committee provides guidance on asset allocation decisions through its various models. The five models below are recommended for investors with over \$25 million in investable assets. They are based on an increasing scale of risk (expected volatility) and expected return.



Source: Morgan Stanley Wealth Management GIC as of Nov. 30, 2020

Tactical Asset Allocation Reasoning

Global Equities		Relative Weight Within Equities
US	Overweight	A V-shaped recovery is central to our thesis that a new business cycle and bull market have begun. Risks remain around election-related policy changes, fiscal stimulus and availability of a COVID-19 vaccine, but we expect 2021 GDP growth in the 5%-to-6% range, which should improve profits among cyclical and small-/mid-cap companies. We prefer active stock-picking rather than holding the S&P 500 Index, which is highly concentrated in tech stocks linked to the work-from-home and smartphone ecosystems. Those leaders are likely fully priced, facing tough year-over-year comparisons and decelerating sequential momentum.
International Equities (Developed Markets)	Market Weight	We are constructive on international. In Europe, brightening prospects for fiscal stimulus and concrete moves toward pan-Europe fiscal integration are game-changers. In Japan, economic recovery is gaining momentum on the back of resurgent global trade, and we expect the focus on shareholder-friendly and positive return-on-equity policies to persist. The structural as well as cyclical weakening of the US dollar is a tailwind.
Emerging Markets	Overweight	China was the first country to enter the COVID-19 crisis and appears poised to be the first out. Resumption of economic activity during the second quarter should jump-start global growth, especially given huge government stimulus programs. Ample liquidity from the Fed and a weakening dollar should catalyze investor interest. China stands to gain the most from US tariff rollbacks and global trade dynamics should improve. Valuations are attractive and local central banks should be able to maintain accommodation and stimulus. For most countries, especially China, the collapse in oil prices is a material tailwind for consumer purchasing power.
Global Fixed Income		Relative Weight Within Fixed Income
US Investment Grade	Market Weight	We have recommended shorter-duration* (maturities) since March 2018, given the extremely low yields and potential capital losses associated with rising interest rates from such low levels, and had been pairing that position with a large exposure to long-term US Treasuries to hedge what we expected would be a modest correction in stocks. With long-term Treasury yields troughing for the cycle, we recently removed that position and resumed a benchmark exposure to duration. Recent dislocation of investment grade credit spreads and market illiquidity have created opportunities. Fed programs aimed at backstopping this market give reason to be an active bond selector.
International Investment Grade	Underweight	Negative interest rates suggest that this is not a preferred asset class for US-dollar clients at this time. Actively managed funds may provide very patient, risk-tolerant clients with income opportunities in select corporate credits.
Inflation-Protection Securities	Underweight	The "sudden stop" recession has caused a severe pricing of real interest rates, pushing them negative and near all-time lows. In the near term, upside appears limited.
High Yield	Overweight	High yield bonds remain at the epicenter of the dual risks from COVID-19 and the collapse in oil prices from the failure of OPEC negotiations. In our view, some of the most extreme risks have been discounted, especially in light of unprecedented monetary and fiscal policy intervention aimed not only at market liquidity but in bridging cash flow requirements. It's time to ease in opportunistically, using active managers.
Alternative Investments		Relative Weight Within Alternative Investments
REITs	Underweight	Real estate investment trusts (REITs) have performed very well as global growth slowed and interest rates fell. However, REITs remain expensive and are vulnerable to credit risks. We will revisit our position as nominal GDP troughs and/or valuations become more attractive.
Commodities	Overweight	The "sudden stop" global recession has driven commodities such as oil to multidecade lows. The rush to the "safe haven" US dollar, which is near its multiyear high, has exacerbated these dynamics. While we recognize the complexity of the geopolitical issues that surround oil, we believe that on a six-to-12-month basis the outlook for the global economy and overall demand will improve materially. Thus, we suggest risk-oriented clients establish exposure to the broad diversified asset class through the use of active managers. Pure passive exposure is not advised at this time.
Hedged Strategies (Hedge Funds and Managed Futures)	Overweight	The bear market associated with COVID-19 has driven volatility to historic extremes and led to wide dispersion in price performance and stock-level idiosyncratic risk. These factors tend to create a constructive environment for hedge fund managers who are good stock-pickers and can use leverage and risk management techniques to amplify returns. We prefer very active and fundamental strategies, especially equity long/short.

*For more about the risks to Duration, please see the Risk Considerations section beginning on page 17 of this report. Source: Morgan Stanley Wealth Management GLC as of Nov. 30, 2020

Disclosure Section

The **Global Investment Committee (GIC)** is a group of seasoned investment professionals from Morgan Stanley & Co. and Morgan Stanley Wealth Management who meet regularly to discuss the global economy and markets. The committee determines the investment outlook that guides our advice to clients. They continually monitor developing economic and market conditions, review tactical outlooks and recommend asset allocation model weightings, as well as produce a suite of strategy, analysis, commentary, portfolio positioning suggestions and other reports and broadcasts.

Chetan Ahya, Vibhor Dave, Jonathan Garner, Matthew Hornbach, Nick Lentini, Graham Secker, Jonah Silverman and Ellen Zentner are not members of the Global Investment Committee and any implementation strategies suggested have not been reviewed or approved by the Global Investment Committee.

Index Definitions

For index, indicator and survey definitions referenced in this report please visit the following: <https://www.morganstanley.com/wealth-investmentsolutions/wmir-definitions>

Risk Considerations

Alternative Investments

The sole purpose of this material is to inform, and it in no way is intended to be an offer or solicitation to purchase or sell any security, other investment or service, or to attract any funds or deposits. Investments mentioned may not be appropriate for all clients. Any product discussed herein may be purchased only after a client has carefully reviewed the offering memorandum and executed the subscription documents. Morgan Stanley Wealth Management has not considered the actual or desired investment objectives, goals, strategies, guidelines, or factual circumstances of any investor in any fund(s). Before making any investment, each investor should carefully consider the risks associated with the investment, as discussed in the applicable offering memorandum, and make a determination based upon their own particular circumstances, that the investment is consistent with their investment objectives and risk tolerance.

Alternative investments often are speculative and include a high degree of risk. Investors could lose all or a substantial amount of their investment. Alternative investments are appropriate only for eligible, long-term investors who are willing to forgo liquidity and put capital at risk for an indefinite period of time. They may be highly illiquid and can engage in leverage and other speculative practices that may increase the volatility and risk of loss. Alternative Investments typically have higher fees than traditional investments. Investors should carefully review and consider potential risks before investing.

Certain information contained herein may constitute forward-looking statements. Due to various risks and uncertainties, actual events, results or the performance of a fund may differ materially from those reflected or contemplated in such forward-looking statements. Clients should carefully consider the investment objectives, risks, charges, and expenses of a fund before investing.

Alternative investments involve complex tax structures, tax inefficient investing, and delays in distributing important tax information. Individual funds have specific risks related to their investment programs that will vary from fund to fund. Clients should consult their own tax and legal advisors as Morgan Stanley Wealth Management does not provide tax or legal advice.

Interests in alternative investment products are offered pursuant to the terms of the applicable offering memorandum, are distributed by Morgan Stanley Smith Barney LLC and certain of its affiliates, and (1) are not FDIC-insured, (2) are not deposits or other obligations of Morgan Stanley or any of its affiliates, (3) are not guaranteed by Morgan Stanley and its affiliates, and (4) involve investment risks, including possible loss of principal. Morgan Stanley Smith Barney LLC is a registered broker-dealer, not a bank.

Hypothetical Performance

General: Hypothetical performance should not be considered a guarantee of future performance or a guarantee of achieving overall financial objectives. Asset allocation and diversification do not assure a profit or protect against loss in declining financial markets.

Hypothetical performance results have inherent limitations. The performance shown here is simulated performance based on benchmark indices, not investment results from an actual portfolio or actual trading. There can be large differences between hypothetical and actual performance results achieved by a particular asset allocation.

Despite the limitations of hypothetical performance, these hypothetical performance results may allow clients and Financial Advisors to obtain a sense of the risk / return trade-off of different asset allocation constructs.

Investing in the market entails the risk of market volatility. The value of all types of securities may increase or decrease over varying time periods.

This analysis does not purport to recommend or implement an investment strategy. Financial forecasts, rates of return, risk, inflation, and other assumptions may be used as the basis for illustrations in this analysis. They should not be considered a guarantee of future performance or a guarantee of achieving overall financial objectives. No analysis has the ability to accurately predict the future, eliminate risk or guarantee investment results. As investment returns, inflation, taxes, and other economic conditions vary from the assumptions used in this analysis, your actual results will vary (perhaps significantly) from those presented in this analysis.

The assumed return rates in this analysis are not reflective of any specific investment and do not include any fees or expenses that may be incurred by investing in specific products. The actual returns of a specific investment may be more or less than the returns used in this analysis. The return assumptions are based on hypothetical rates of return of securities indices, which serve as proxies for the asset classes.

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Moreover, different forecasts may choose different indices as a proxy for the same asset class, thus influencing the return of the asset class.

An investment in a money market fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it is possible to lose money by investing in the fund.

ETF Investing

An investment in an **exchange-traded fund** involves risks similar to those of investing in a broadly based portfolio of equity securities traded on an exchange in the relevant securities market, such as market fluctuations caused by such factors as economic and political developments, changes in interest rates and perceived trends in stock and bond prices. Investing in an international ETF also involves certain risks and considerations not typically associated with investing in an ETF that invests in the securities of U.S. issues, such as political, currency, economic and market risks. These risks are magnified in countries with emerging markets, since these countries may have relatively unstable governments and less established markets and economies. ETFs investing in physical commodities and commodity or currency futures have special tax considerations. Physical commodities may be treated as collectibles subject to a maximum 28% long-term capital gains rates, while futures are marked-to-market and may be subject to a blended 60% long- and 40% short-term capital gains tax rate. Rolling futures positions may create taxable events. For specifics and a greater explanation of possible risks with ETFs, along with the ETF's investment objectives, charges and expenses, please consult a copy of the ETF's prospectus. Investing in sectors may be more volatile than diversifying across many industries. The investment return and principal value of ETF investments will fluctuate, so an investor's ETF shares (Creation Units), if or when sold, may be worth more or less than the original cost. ETFs are redeemable only in Creation Unit size through an Authorized Participant and are not individually redeemable from an ETF.

Investors should carefully consider the investment objectives and risks as well as charges and expenses of an exchange-traded fund or mutual fund before investing. The prospectus contains this and other important information about the mutual fund. To obtain a prospectus, contact your Financial Advisor or visit the mutual fund company's website. Please read the prospectus carefully before investing.

MLPs

Master Limited Partnerships (MLPs) are limited partnerships or limited liability companies that are taxed as partnerships and whose interests (limited partnership units or limited liability company units) are traded on securities exchanges like shares of common stock. Currently, most MLPs operate in the energy, natural resources or real estate sectors. Investments in MLP interests are subject to the risks generally applicable to companies in the energy and natural resources sectors, including commodity pricing risk, supply and demand risk, depletion risk and exploration risk.

Individual MLPs are publicly traded partnerships that have unique risks related to their structure. These include, but are not limited to, their reliance on the capital markets to fund growth, adverse ruling on the current tax treatment of distributions (typically mostly tax deferred), and commodity volume risk.

The potential tax benefits from investing in MLPs depend on their being treated as partnerships for federal income tax purposes and, if the MLP is deemed to be a corporation, then its income would be subject to federal taxation at the entity level, reducing the amount of cash available for distribution to the fund which could result in a reduction of the fund's value.

MLPs carry interest rate risk and may underperform in a rising interest rate environment. MLP funds accrue deferred income taxes for future tax liabilities associated with the portion of MLP distributions considered to be a tax-deferred return of capital and for any net operating gains as well as capital appreciation of its investments; this deferred tax liability is reflected in the daily NAV; and, as a result, the MLP fund's after-tax performance could differ significantly from the underlying assets even if the pre-tax performance is closely tracked.

Duration

Duration, the most commonly used measure of bond risk, quantifies the effect of changes in interest rates on the price of a bond or bond portfolio. The longer the duration, the more sensitive the bond or portfolio would be to changes in interest rates. Generally, if interest rates rise, bond prices fall and vice versa. Longer-term bonds carry a longer or higher duration than shorter-term bonds; as such, they would be affected by changing interest rates for a greater period of time if interest rates were to increase. Consequently, the price of a long-term bond would drop significantly as compared to the price of a short-term bond.

International investing entails greater risk, as well as greater potential rewards compared to U.S. investing. These risks include political and economic uncertainties of foreign countries as well as the risk of currency fluctuations. These risks are magnified in countries with **emerging markets** and **frontier markets**, since these countries may have relatively unstable governments and less established markets and economies.

Investing in currency involves additional special risks such as credit, interest rate fluctuations, derivative investment risk, and domestic and foreign inflation rates, which can be volatile and may be less liquid than other securities and more sensitive to the effect of varied economic conditions. In addition, international investing entails greater risk, as well as greater potential rewards compared to U.S. investing. These risks include political and economic uncertainties of foreign countries as well as the risk of currency fluctuations. These risks are magnified in countries with emerging markets, since these countries may have relatively unstable governments and less established markets and economies.

Managed futures investments are speculative, involve a high degree of risk, use significant leverage, have limited liquidity and/or may be generally illiquid, may incur substantial charges, may subject investors to conflicts of interest, and are usually appropriate only for the risk capital portion of an investor's portfolio. Before investing in any partnership and in order to make an informed decision, investors should read the applicable prospectus and/or offering documents carefully for additional information, including charges, expenses, and risks. Managed futures investments are not intended to replace equities or fixed income securities but rather may act as a complement to these asset categories in a diversified portfolio.

Investing in commodities entails significant risks. Commodity prices may be affected by a variety of factors at any time, including but not limited

ON THE MARKETS

to, (i) changes in supply and demand relationships, (ii) governmental programs and policies, (iii) national and international political and economic events, war and terrorist events, (iv) changes in interest and exchange rates, (v) trading activities in commodities and related contracts, (vi) pestilence, technological change and weather, and (vii) the price volatility of a commodity. In addition, the commodities markets are subject to temporary distortions or other disruptions due to various factors, including lack of liquidity, participation of speculators and government intervention.

Physical precious metals are non-regulated products. Precious metals are speculative investments, which may experience short-term and long-term price volatility. The value of precious metals investments may fluctuate and may appreciate or decline, depending on market conditions. If sold in a declining market, the price you receive may be less than your original investment. Unlike bonds and stocks, precious metals do not make interest or dividend payments. Therefore, precious metals may not be appropriate for investors who require current income. Precious metals are commodities that should be safely stored, which may impose additional costs on the investor. The Securities Investor Protection Corporation ("SIPC") provides certain protection for customers' cash and securities in the event of a brokerage firm's bankruptcy, other financial difficulties, or if customers' assets are missing. SIPC insurance does not apply to precious metals or other commodities.

Bonds are subject to interest rate risk. When interest rates rise, bond prices fall; generally the longer a bond's maturity, the more sensitive it is to this risk. Bonds may also be subject to call risk, which is the risk that the issuer will redeem the debt at its option, fully or partially, before the scheduled maturity date. The market value of debt instruments may fluctuate, and proceeds from sales prior to maturity may be more or less than the amount originally invested or the maturity value due to changes in market conditions or changes in the credit quality of the issuer. Bonds are subject to the credit risk of the issuer. This is the risk that the issuer might be unable to make interest and/or principal payments on a timely basis. Bonds are also subject to reinvestment risk, which is the risk that principal and/or interest payments from a given investment may be reinvested at a lower interest rate.

Bonds rated below investment grade may have speculative characteristics and present significant risks beyond those of other securities, including greater credit risk and price volatility in the secondary market. Investors should be careful to consider these risks alongside their individual circumstances, objectives and risk tolerance before investing in high-yield bonds. High yield bonds should comprise only a limited portion of a balanced portfolio.

Interest on municipal bonds is generally exempt from federal income tax; however, some bonds may be subject to the alternative minimum tax (AMT). Typically, state tax-exemption applies if securities are issued within one's state of residence and, if applicable, local tax-exemption applies if securities are issued within one's city of residence.

Treasury Inflation Protection Securities' (TIPS) coupon payments and underlying principal are automatically increased to compensate for inflation by tracking the consumer price index (CPI). While the real rate of return is guaranteed, TIPS tend to offer a low return. Because the return of TIPS is linked to inflation, TIPS may significantly underperform versus conventional U.S. Treasuries in times of low inflation.

Ultrashort-term fixed income asset class is comprised of fixed income securities with high quality, very short maturities. They are therefore subject to the risks associated with debt securities such as credit and interest rate risk.

Although they are backed by the full faith and credit of the U.S. Government as to timely payment of principal and interest, **Treasury Bills** are subject to interest rate and inflation risk, as well as the opportunity risk of other more potentially lucrative investment opportunities.

CDs are insured by the FDIC, an independent agency of the U.S. Government, up to a maximum of \$250,000 (including principal and accrued interest) for all deposits held in the same insurable capacity (e.g. individual account, joint account, IRA etc.) per CD depository. Investors are responsible for monitoring the total amount held with each CD depository. All deposits at a single depository held in the same insurable capacity will be aggregated for the purposes of the applicable FDIC insurance limit, including deposits (such as bank accounts) maintained directly with the depository and CDs of the depository. For more information visit the FDIC website at www.fdic.gov.

The majority of \$25 and \$1000 par **preferred securities** are "callable" meaning that the issuer may retire the securities at specific prices and dates prior to maturity. Interest/dividend payments on certain preferred issues may be deferred by the issuer for periods of up to 5 to 10 years, depending on the particular issue. The investor would still have income tax liability even though payments would not have been received. Price quoted is per \$25 or \$1,000 share, unless otherwise specified. Current yield is calculated by multiplying the coupon by par value divided by the market price.

The initial interest rate on a **floating-rate security** may be lower than that of a fixed-rate security of the same maturity because investors expect to receive additional income due to future increases in the floating security's underlying reference rate. The reference rate could be an index or an interest rate. However, there can be no assurance that the reference rate will increase. Some floating-rate securities may be subject to call risk.

The market value of **convertible bonds** and the underlying common stock(s) will fluctuate and after purchase may be worth more or less than original cost. If sold prior to maturity, investors may receive more or less than their original purchase price or maturity value, depending on market conditions. Callable bonds may be redeemed by the issuer prior to maturity. Additional call features may exist that could affect yield.

Some \$25 or \$1000 par **preferred securities** are QDI (Qualified Dividend Income) eligible. Information on QDI eligibility is obtained from third party sources. The dividend income on QDI eligible preferreds qualifies for a reduced tax rate. Many traditional 'dividend paying' perpetual preferred securities (traditional preferreds with no maturity date) are QDI eligible. In order to qualify for the preferential tax treatment all qualifying preferred securities must be held by investors for a minimum period – 91 days during a 180 day window period, beginning 90 days before the ex-dividend date.

Principal is returned on a monthly basis over the life of a **mortgage-backed security**. Principal prepayment can significantly affect the monthly income stream and the maturity of any type of MBS, including standard MBS, CMOs and Lottery Bonds. Yields and average lives are estimated based on prepayment assumptions and are subject to change based on actual prepayment of the mortgages in the underlying pools. The level of predictability of an MBS/CMO's average life, and its market price, depends on the type of MBS/CMO class purchased and interest rate movements. In general, as interest rates fall, prepayment speeds are likely to increase, thus shortening the MBS/CMO's average life and likely

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causing its market price to rise. Conversely, as interest rates rise, prepayment speeds are likely to decrease, thus lengthening average life and likely causing the MBS/CMO's market price to fall. Some MBS/CMOs may have "original issue discount" (OID). OID occurs if the MBS/CMO's original issue price is below its stated redemption price at maturity, and results in "imputed interest" that must be reported annually for tax purposes, resulting in a tax liability even though interest was not received. Investors are urged to consult their tax advisors for more information.

Rebalancing does not protect against a loss in declining financial markets. There may be a potential tax implication with a rebalancing strategy. Investors should consult with their tax advisor before implementing such a strategy.

Equity securities may fluctuate in response to news on companies, industries, market conditions and general economic environment.

Companies paying **dividends** can reduce or cut payouts at any time.

Value investing does not guarantee a profit or eliminate risk. Not all companies whose stocks are considered to be value stocks are able to turn their business around or successfully employ corrective strategies which would result in stock prices that do not rise as initially expected.

Growth investing does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations.

Asset allocation and diversification do not assure a profit or protect against loss in declining financial markets.

REITs investing risks are similar to those associated with direct investments in real estate: property value fluctuations, lack of liquidity, limited diversification and sensitivity to economic factors such as interest rate changes and market recessions.

Because of their narrow focus, **sector investments** tend to be more volatile than investments that diversify across many sectors and companies. **Technology stocks** may be especially volatile. Risks applicable to companies in the **energy and natural resources** sectors include commodity pricing risk, supply and demand risk, depletion risk and exploration risk.

Yields are subject to change with economic conditions. Yield is only one factor that should be considered when making an investment decision.

Credit ratings are subject to change.

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ON THE MARKETS

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**City of Troy Employees Retirement Systems
Defined Benefit and NAIC
Performance Reporting**

**Portfolio Review
December 2020**

Presented By:

***The Wealth Strategy Group
UBS Financial Services Inc.***

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Institutional Consultant

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- NAIC holds more than \$6 million due to recent sales. Consider a review of NAIC stock recommendations.
- SECTION V** UBS Year Ahead 2021

City of Troy, ERS and NAIC

December 2020

Discussion:

- Year End Review
- Asset allocation, performance review, cash available NAIC
- NAIC holds more than \$6 million due to recent sales.

Consider a review of NAIC stock recommendations.

We wish you a safe and happy holiday.

Becky, Darin, Grant, Dana, Rachelle, and Tricia

City of Troy
December 2020

Our thoughts on the questions we receive most often:

With COVID-19 cases spiking again to record levels, won't the economy lapse back into a recession?

There's no question that the "third wave" of COVID-19 represents a serious threat to the sustainability of the economic expansion. With hospitals struggling under caseloads, public policy makers are once again considering – and in many cases re-imposing – both mobility restrictions and social distancing measures. Many businesses could be forced to scale back operations and some even close entirely. This comes at a particularly challenging time in the U.S., as winter arrives and elected officials struggle to find common ground on extending relief measures. But despite the challenges posed by a renewed outbreak, the prospects for an economic collapse are limited. Healthcare workers, policymakers and business owners have learned much from their experiences with the coronavirus. This suggests that the next phase of the pandemic will be less disruptive than the initial outbreak.

It's also likely that elected officials in Washington will come to terms on some sort of additional stimulus measures now that the general election is over. Finally, the Fed remains committed to a supportive policy approach to address any liquidity or credit issues that may arise. So, while economic activity will likely soften as the weather worsens and the COVID-19 caseloads spike, the impact is apt to be transitory and the prospects for a recession remain remote.

Has the market gotten ahead of itself on expectations for a vaccine?

As equity markets have continued to move higher despite evidence of rising COVID-19 cases, there are concerns that investors have grown too optimistic about the impact from a vaccine. Although the results of Phase III clinical drug trials from Pfizer, Moderna and AstraZeneca are encouraging, none have yet received emergency use authorization from the FDA. But even when they do gain approval it will take months to gear up production, which means that vaccines won't be available to deal with the most recent viral surge.

So why are investors reacting so favorably to these breakthroughs? First of all, vaccine development is way ahead of the earlier estimates from the scientific community which had initially warned that an effective vaccine could take as long as five years to be available. Second, the results have also been toward the very high end of estimates in terms of effectiveness. Lastly, this provides business owners some visibility with regard to investment decisions. Assuming that a vaccine is broadly available during the first quarter of 2021, businesses can now make better informed decisions about funding capital projects, infrastructure upgrades and human resource needs. This will likely lead to a period of accelerated earnings growth as economic activity normalizes. Also, equity markets tend to be forward-looking. So even if it takes a few months for vaccines to be widely available, equity investors should have greater confidence that the pandemic will begin to wind down in 2021.

How are markets assessing the outcome of the election?

Initially at least, markets participants have greeted the outcome of the 2020 general election favorably. While there has been some post-election volatility prompted by court challenges and the failure of Congress to agree on additional COVID-19 relief, most indices have continued to trend higher since Election Day. The prospects for a Biden presidency—coupled with a narrowed House majority for the Democrats and potential Republican control of the Senate—appear to have eased some of the concerns over what a “blue wave” might have meant in terms of policy priorities for the new Administration. Although we don’t know how markets would have reacted to other election outcomes, it seems that investors are comfortable with a balanced government where no one party is able to force through its policy agenda. Some of the early cabinet choices by the incoming Biden Administration, including Janet Yellen for Treasury Secretary, are also less market-threatening than some had initially feared.

But while a divided government may be seen as positive for markets, dysfunctional government would be viewed far less favorably. There are still things that we need our elected officials to address such as COVID-19 relief, infrastructure needs and trade policy. The failure to agree to a lifting of the federal debt ceiling in 2011 led to the first downgrade of the U.S. sovereign credit rating in history and triggered a sharp decline in risk asset prices. So,

were divided government to devolve into the sort of policy dysfunction witnessed a decade ago, the market outcomes would be far less benign.

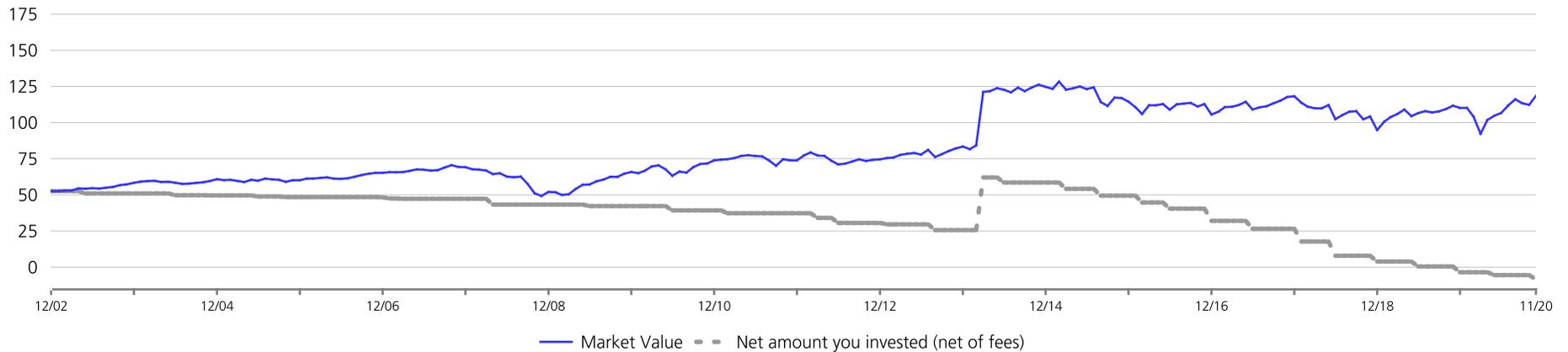
When will value stocks begin to perform better?

With growth stocks trading at their most expensive levels relative to value stocks since the tech-telecom boom, many have questioned whether the latter will ever close the valuation gap. The combination of below trend growth and declining interest rates, coupled with the emergence of transformational technologies, has driven sustained outperformance in growth stocks since the Global Financial Crisis. But entering 4Q19, there was an expectation that value stocks might finally begin to “mean-revert” as the global economy showed signs of a more synchronized expansion. However, the emergence of COVID-19 and the associated economic shocks instead widened the performance gap further. So how, when and why will this valuation disparity begin to narrow? While valuations for value stocks have been compelling for some time now, what they have lacked is a catalyst to unlock that value. This is where the COVID-19 vaccine will play a critical role. As the COVID-19 vaccine is rolled out, economic activity is likely to rebound sharply and interest rates should begin to normalize as inflation expectations begin to shift.

Sources of portfolio value

as of November 30, 2020

\$ Millions



	MTD 10/31/2020 to 11/30/2020	QTD 09/30/2020 to 11/30/2020	YTD 12/31/2019 to 11/30/2020	1 Year 11/30/2019 to 11/30/2020	3 Years 11/30/2017 to 11/30/2020	5 Years 11/30/2015 to 11/30/2020	7 Years 11/30/2013 to 11/30/2020	10 Years 11/30/2010 to 11/30/2020	ITD 12/31/2002 to 11/30/2020
Opening value	112,270,775.30	113,370,846.37	110,129,350.62	111,652,152.26	117,681,640.13	117,008,056.84	82,119,285.77	71,710,241.32	52,625,899.06
Net deposits/withdrawals	-3,000,025.00	-3,000,025.00	-5,000,050.00	-9,000,075.00	-35,109,900.00	-57,937,291.53	-34,113,154.07	-47,778,040.11	-61,113,094.04
Div./interest income	179,651.61	290,149.55	1,709,441.25	2,772,953.42	8,726,422.34	14,945,111.68	20,633,094.33	26,097,544.05	43,551,776.30
Change in accr. interest	-11,738.29	-9,278.56	-8,910.71	-4,541.68	-4,509.13	-35,214.58	-37,663.30	-129,061.57	-557,874.05
Change in value	9,052,100.79	7,839,072.05	11,660,933.24	13,070,275.40	27,197,111.07	44,510,101.99	49,889,201.67	68,590,080.70	83,984,057.13
Closing value	118,490,764.40	118,490,764.40	118,490,764.40	118,490,764.40	118,490,764.40	118,490,764.40	118,490,764.40	118,490,764.40	118,490,764.40
Gross Time-weighted ROR	8.26	7.22	12.63	15.19	11.66	11.53	9.65	10.10	8.65
Net Time-weighted ROR	8.23	7.18	12.50	15.05	11.49	11.38	9.52	9.99	8.59

Performance returns are annualized after 1 year. Net deposits and withdrawals include program and account fees.

Benchmarks - Annualized time-weighted returns

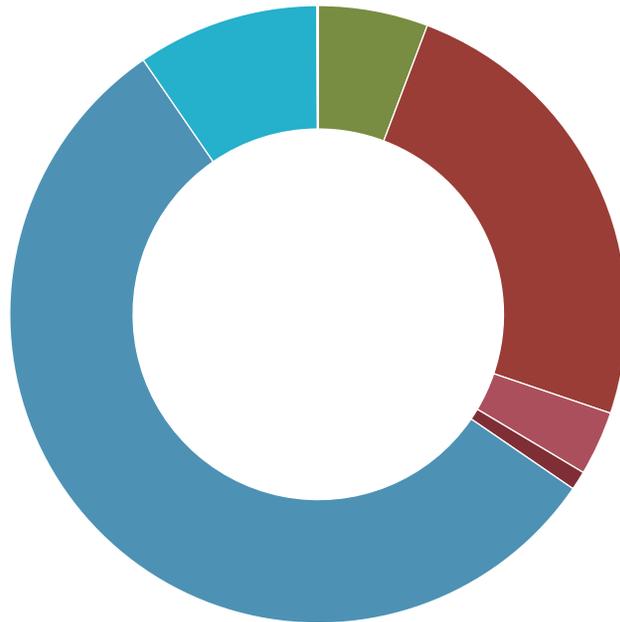
Consolidated Blended Index	9.04	7.33	10.45	13.26	8.13	9.13	7.32	8.02	8.20
US Treasury Bill - 3 Mos	0.01	0.02	0.54	0.68	1.55	1.13	0.81	0.59	1.26
Barclays Agg Bond	0.98	0.53	7.36	7.28	5.45	4.33	3.98	3.71	4.35
MSCI Emerging Markets-PR	9.21	11.37	8.11	15.87	2.44	8.15	2.43	1.14	8.23
Russell 2000	18.43	20.91	10.41	13.59	7.09	10.24	8.35	11.12	10.55
S&P 500	10.95	8.00	14.02	17.46	13.16	13.97	12.70	14.18	10.43

Consolidated Blended Index: Start - Current: 30% Barclays Govt/Credit Int; 70% MSCI AC World IMI - GR

Past performance does not guarantee future results and current performance may be lower/higher than past data presented.

Asset allocation review

as of November 30, 2020



- Cash 5.75%
- US Fixed Income 24.44%
- Global Fixed Income 3.37%
- International Fixed Income 0.99%
- US Equity 55.85%
- International Equity 9.53%
- Other 0.07%

Pooled investment cash allocation: **\$643,495.28**



Asset allocation review - as of November 30, 2020 (continued)

	Market value (\$)	% of Portfolio
Cash	6,815,972.24	5.75
Cash	6,815,972.24	5.75
US	6,815,972.24	5.75
US Cash	6,815,972.24	5.75
Fixed Income	34,125,832.15	28.80
US	28,959,898.95	24.44
US Fixed Income	20,040,699.36	16.91
Short	5,851,726.12	4.94
Intermediate	13,637,657.71	11.50
Other	551,315.53	0.47
Government	4,265,790.06	3.60
Other	4,265,790.06	3.60
Corporate IG Credit	350,798.46	0.30
Short	350,798.46	0.30
Corporate High Yield	4,302,611.07	3.63
Corporate High Yield	4,302,611.07	3.63
Global	3,987,309.64	3.37
Global	3,987,309.64	3.37
Global	3,987,309.64	3.37
International	1,178,623.56	0.99
International	127,778.03	0.11
International	127,778.03	0.11
Emerging Markets	1,050,845.53	0.88
Emerging Markets	1,050,845.53	0.88
Equity	77,469,930.13	65.38
US	66,174,886.73	55.85
US Equity	3,540.00	0.00
Other	3,540.00	0.00
Large Cap	43,907,809.15	37.06
Core	20,277,055.33	17.11
Growth	13,835,579.92	11.68
Value	9,543,117.10	8.05
Public Real Estate	231,200.00	0.20
Other	20,856.80	0.02
Mid Cap	16,740,509.47	14.13
Core	9,421,283.89	7.95
Growth	4,407,878.93	3.72
Value	2,611,496.64	2.20
Public Real Estate	299,850.01	0.26

	Market value (\$)	% of Portfolio
Equity		
US		
Small Cap	5,523,028.11	4.66
Core	2,405,760.41	2.03
Growth	1,581,812.35	1.33
Value	1,535,455.35	1.30
Convertibles	0.00	0.00
Convertibles	0.00	0.00
International	11,295,043.40	9.53
International	2,616,655.78	2.21
Core	273,240.00	0.23
Other	2,343,415.78	1.98
Developed Markets	5,672,356.68	4.78
Core	679,390.50	0.57
Growth	4,671,316.18	3.94
Value	321,650.00	0.27
Emerging Markets	3,006,030.94	2.54
Growth	2,749,851.82	2.32
Other	256,179.12	0.22
Commodities	0.00	0.00
Non-Traditional	0.00	0.00
Other	79,029.89	0.07
Other	79,029.89	0.07
Other	79,029.89	0.07
Total Portfolio	\$118,490,764.40	100%

Balanced mutual funds represented in multiple asset classes based on Morningstar allocations

Equity sector analysis

as of November 30, 2020

Summary of equity sector analysis compared to S&P 500 index

	Actual %	Model %	Value of equity (\$)	Model value (\$)	Gap (\$)	Actual (%)	Model (%)	Gap (%)
Communication Services	10.50%	11.27%	8,141,118.51	8,735,456.58	-594,338.07	10.50%	11.27%	-0.77%
Consumer Discretionary	16.49%	11.92%	12,784,325.76	9,239,276.17	3,545,049.59	16.49%	11.92%	4.57%
Consumer Staples	6.86%	7.58%	5,319,937.83	5,875,311.52	-555,373.69	6.86%	7.58%	-0.72%
Energy	2.15%	2.27%	1,670,205.72	1,759,493.03	-89,287.31	2.15%	2.27%	-0.12%
Financials	10.08%	10.07%	7,814,171.56	7,805,328.11	8,843.45	10.08%	10.07%	0.01%
Health Care	11.63%	13.11%	9,014,090.56	10,161,653.57	-1,147,563.01	11.63%	13.11%	-1.48%
Industrials	9.76%	7.96%	7,565,981.56	6,169,852.21	1,396,129.35	9.76%	7.96%	1.80%
Information Technology	26.34%	27.18%	20,416,864.92	21,067,409.93	-650,545.01	26.34%	27.18%	-0.84%
Materials	2.82%	2.70%	2,184,268.93	2,092,789.07	91,479.86	2.82%	2.70%	0.12%
Real Estate	1.94%	2.51%	1,501,439.94	1,945,518.72	-444,078.78	1.94%	2.51%	-0.57%
Utilities	1.43%	2.80%	1,098,300.84	2,170,299.77	-1,071,998.93	1.43%	2.80%	-1.37%
Total classified equity			\$77,510,706.13					
Unclassified Securities					-\$40,776.00			

Rounding calculation may affect totals.

Equity sector analysis - as of November 30, 2020 (continued)

Detail of equity sector analysis

	Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Communication Services					
ALPHABET INC CL A			1,459,660.80		
CUSIP: 02079K305 Symbol: GOOGL	832.00	1,754.40	1.88%		
ALPHABET INC CL C			1,591,708.96		
CUSIP: 02079K107 Symbol: GOOG	904.00	1,760.74	2.05%		
AT&T INC			171,580.00		
CUSIP: 00206R102 Symbol: T	5,968.00	28.75	0.22%		
COMCAST CORP NEW CL A			532,544.00		
CUSIP: 20030N101 Symbol: CMCSA	10,600.00	50.24	0.69%		
FACEBOOK INC CL A			1,107,880.00		
CUSIP: 30303M102 Symbol: FB	4,000.00	276.97	1.43%		
WALT DISNEY CO (HOLDING CO) DISNEY COM			867,338.60		
CUSIP: 254687106 Symbol: DIS	5,860.00	148.01	1.12%		
MUTUAL FUNDS COMPONENT			2,410,406.15		
(for further details see last section of this report)			3.11%		
Total Communication Services			\$8,141,118.51		
			10.50%		
Consumer Discretionary					
AMAZON.COM INC			1,853,303.40		
CUSIP: 023135106 Symbol: AMZN	585.00	3,168.04	2.39%		
BOOKING HLDGS INC			405,690.00		
CUSIP: 09857L108 Symbol: BKNG	200.00	2,028.45	0.52%		
CARMAX INC			467,400.00		
CUSIP: 143130102 Symbol: KMX	5,000.00	93.48	0.60%		
D R HORTON INC			521,500.00		
CUSIP: 23331A109 Symbol: DHI	7,000.00	74.50	0.67%		
GENTEX CORP			163,000.00		
CUSIP: 371901109 Symbol: GNTX	5,000.00	32.60	0.21%		
GENUINE PARTS CO			295,110.00		
CUSIP: 372460105 Symbol: GPC	3,000.00	98.37	0.38%		
LKQ CORP NEW			140,880.00		
CUSIP: 501889208 Symbol: LKQ	4,000.00	35.22	0.18%		
MCDONALDS CORP			228,312.00		
CUSIP: 580135101 Symbol: MCD	1,050.00	217.44	0.29%		
O REILLY AUTOMOTIVE INC			1,393,686.00		
CUSIP: 67103H107 Symbol: ORLY	3,150.00	442.44	1.80%		
PATRICK INDUST INC			504,320.00		
CUSIP: 703343103 Symbol: PATK	8,000.00	63.04	0.65%		
STARBUCKS CORP			1,105,665.60		
CUSIP: 855244109 Symbol: SBUX	11,280.00	98.02	1.43%		
TRACTOR SUPPLY COMPANY			1,689,720.00		
CUSIP: 892356106 Symbol: TSCO	12,000.00	140.81	2.18%		

Equity sector analysis - as of November 30, 2020 (continued)

	Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Consumer Discretionary					
ULTA BEAUTY, INC			275,400.00		
CUSIP: 90384S303 Symbol: ULTA	1,000.00	275.40	0.36%		
VF CORP			116,760.00		
CUSIP: 918204108 Symbol: VFC	1,400.00	83.40	0.15%		
YUM CHINA HLDGS INC			958,460.00		
CUSIP: 98850P109 Symbol: YUMC	17,000.00	56.38	1.24%		
YUM! BRANDS INC			749,064.00		
CUSIP: 988498101 Symbol: YUM	7,080.00	105.80	0.97%		
MUTUAL FUNDS COMPONENT (for further details see last section of this report)			1,916,054.76		
			2.47%		
Total Consumer Discretionary			\$12,784,325.76		
			16.49%		
Consumer Staples					
CONAGRA BRANDS, INC.			109,680.00		
CUSIP: 205887102 Symbol: CAG	3,000.00	36.56	0.14%		
COSTCO WHOLESALE CORP			807,046.20		
CUSIP: 22160K105 Symbol: COST	2,060.00	391.77	1.04%		
DIAGEO PLC NEW GB SPON ADR			154,950.00		
CUSIP: 25243Q205 Symbol: DEO	1,000.00	154.95	0.20%		
GENL MILLS INC			243,280.00		
CUSIP: 370334104 Symbol: GIS	4,000.00	60.82	0.31%		
PEPSICO INC			721,150.00		
CUSIP: 713448108 Symbol: PEP	5,000.00	144.23	0.93%		
PROCTER & GAMBLE CO			972,090.00		
CUSIP: 742718109 Symbol: PG	7,000.00	138.87	1.25%		
SMUCKER J M CO NEW			351,600.00		
CUSIP: 832696405 Symbol: SJM	3,000.00	117.20	0.45%		
WALMART INC			160,429.50		
CUSIP: 931142103 Symbol: WMT	1,050.00	152.79	0.22%		
MUTUAL FUNDS COMPONENT (for further details see last section of this report)			1,799,712.13		
			2.32%		
Total Consumer Staples			\$5,319,937.83		
			6.86%		

Equity sector analysis - as of November 30, 2020 (continued)

	Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Energy					
CHEVRON CORP CUSIP: 166764100 Symbol: CVX	8,710.00	87.18	759,337.80 0.98%		
ONEOK INC NEW CUSIP: 682680103 Symbol: OKE	14,000.00	35.87	502,180.00 0.64%		
MUTUAL FUNDS COMPONENT (for further details see last section of this report)			408,687.92 0.53%		
Total Energy			\$1,670,205.72 2.15%		
Financials					
BANK OF AMER CORP CUSIP: 060505104 Symbol: BAC	33,050.00	28.16	930,688.00 1.20%		
BLACKROCK INC CUSIP: 09247X101 Symbol: BLK	1,370.00	698.35	956,739.50 1.23%		
CHUBB LTD CHF CUSIP: H1467J104 Symbol: CB	1,000.00	147.83	147,830.00 0.19%		
EAST WEST BANCORP INC CUSIP: 27579R104 Symbol: EWBC	5,500.00	42.72	234,960.00 0.30%		
HARTFORD FINCL SERVICES GROUP INC CUSIP: 416515104 Symbol: HIG	4,000.00	44.20	176,800.00 0.23%		
JPMORGAN CHASE & CO CUSIP: 46625H100 Symbol: JPM	2,000.00	117.88	235,760.00 0.30%		
MARSH & MCLENNAN COS INC CUSIP: 571748102 Symbol: MMC	7,030.00	114.64	805,919.20 1.04%		
META FINANCIAL GROUP INC CUSIP: 59100U108 Symbol: CASH	5,000.00	33.10	165,500.00 0.21%		
SIGNATURE BANK NEW YORK N Y CUSIP: 82669G104 Symbol: SBNY	2,500.00	112.19	280,475.00 0.36%		
TCF FINL CORP NEW CUSIP: 872307103 Symbol: TCF	5,000.00	33.60	168,000.00 0.23%		
MUTUAL FUNDS COMPONENT (for further details see last section of this report)			3,711,499.86 4.79%		
Total Financials			\$7,814,171.56 10.08%		

Equity sector analysis - as of November 30, 2020 (continued)

	Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Health Care					
ABBOTT LABS			1,327,751.18		
CUSIP: 002824100 Symbol: ABT	12,269.00	108.22	1.71%		
BRISTOL MYERS SQUIBB CO			187,200.00		
CUSIP: 110122108 Symbol: BMY	3,000.00	62.40	0.24%		
CENTENE CORP			291,727.80		
CUSIP: 15135B101 Symbol: CNC	4,732.00	61.65	0.38%		
CIGNA CORP			82,401.16		
CUSIP: 125523100 Symbol: CI	394.00	209.14	0.11%		
DANAHER CORP			2,246,300.00		
CUSIP: 235851102 Symbol: DHR	10,000.00	224.63	2.90%		
GILEAD SCIENCES INC			849,380.00		
CUSIP: 375558103 Symbol: GILD	14,000.00	60.67	1.10%		
MEDTRONIC PLC			132,460.50		
CUSIP: G5960L103 Symbol: MDT	1,165.00	113.70	0.17%		
MERCK & CO INC NEW COM			118,173.30		
CUSIP: 58933Y105 Symbol: MRK	1,470.00	80.39	0.15%		
PFIZER INC			383,100.00		
CUSIP: 717081103 Symbol: PFE	10,000.00	38.31	0.49%		
SUPERNUS PHARMACEUTICALS INC			159,750.00		
CUSIP: 868459108 Symbol: SUPN	7,500.00	21.30	0.21%		
THERMO FISHER SCIENTIFIC INC			206,916.10		
CUSIP: 883556102 Symbol: TMO	445.00	464.98	0.27%		
UNITEDHEALTH GROUP INC			188,350.40		
CUSIP: 91324P102 Symbol: UNH	560.00	336.34	0.24%		
VIATRIS INC			20,856.80		
CUSIP: 92556V106 Symbol: VTRS	1,240.00	16.82	0.02%		
MUTUAL FUNDS COMPONENT (for further details see last section of this report)			2,819,723.32 3.64%		
Total Healthcare			\$9,014,090.56		
			11.63%		
Industrials					
AECOM			150,481.00		
CUSIP: 00766T100 Symbol: ACM	2,900.00	51.89	0.19%		
AMETEK INC (NEW)			296,325.00		
CUSIP: 031100100 Symbol: AME	2,500.00	118.53	0.38%		
CARRIER GLOBAL CORP			35,405.10		
CUSIP: 14448C104 Symbol: CARR	930.00	38.07	0.05%		
FASTENAL CO			1,434,050.00		
CUSIP: 311900104 Symbol: FAST	29,000.00	49.45	1.85%		
GENL DYNAMICS CORP			776,620.00		
CUSIP: 369550108 Symbol: GD	5,200.00	149.35	1.00%		
IDEX CORP			386,300.00		
CUSIP: 45167R104 Symbol: IEX	2,000.00	193.15	0.50%		

Equity sector analysis - as of November 30, 2020 (continued)

	Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Industrials					
KAR AUCTION SVCS INC CUSIP: 48238T109 Symbol: KAR	5,000.00	18.05	90,250.00 0.12%		
LOCKHEED MARTIN CORP CUSIP: 539830109 Symbol: LMT	320.00	365.00	116,800.00 0.15%		
OLD DOMINION FREIGHT LINES INC CUSIP: 679580100 Symbol: ODFL	3,150.00	203.36	640,584.00 0.83%		
OTIS WORLDWIDE CORP CUSIP: 68902V107 Symbol: OTIS	465.00	66.94	31,127.10 0.04%		
RAYTHEON TECHNOLOGIES CORP CUSIP: 75513E101 Symbol: RTX	930.00	71.72	66,699.60 0.09%		
SENSATA TECHNOLOGIES HLDG PLC EUR CUSIP: G8060N102 Symbol: ST	5,000.00	48.83	244,150.00 0.31%		
WATSCO INC CUSIP: 942622200 Symbol: WSO	1,000.00	227.36	227,360.00 0.29%		
MUTUAL FUNDS COMPONENT (for further details see last section of this report)			3,069,829.76 3.96%		
Total Industrials			\$7,565,981.56 9.76%		
Information Technology					
APPLE INC CUSIP: 037833100 Symbol: AAPL	32,300.00	119.05	3,845,315.00 4.96%		
AUTOMATIC DATA PROCESSNG INC CUSIP: 053015103 Symbol: ADP	2,000.00	173.88	347,760.00 0.45%		
COGNEX CORP CUSIP: 192422103 Symbol: CGNX	8,000.00	75.14	601,120.00 0.78%		
F5 NETWORKS INC CUSIP: 315616102 Symbol: FFIV	5,800.00	162.81	944,298.00 1.22%		
FABRINET CUSIP: G3323L100 Symbol: FN	4,000.00	68.31	273,240.00 0.35%		
GLOBAL PAYMENTS INC CUSIP: 37940X102 Symbol: GPN	5,000.00	195.19	975,950.00 1.26%		
MICROSOFT CORP CUSIP: 594918104 Symbol: MSFT	900.00	214.07	192,663.00 0.25%		
ORACLE CORP CUSIP: 68389X105 Symbol: ORCL	5,000.00	57.72	288,600.00 0.37%		
PALO ALTO NETWORKS INC CUSIP: 697435105 Symbol: PANW	1,250.00	293.92	367,400.00 0.47%		
SAMSUNG ELECTRS LTD GDR (EACH REP 25 COM STK KRW100) REG. S *GB LINE*	170.00	1,506.94	256,179.12 0.33%		
SKYWORKS SOLUTIONS INC CUSIP: 83088M102 Symbol: SWKS	4,000.00	141.17	564,680.00 0.73%		

Equity sector analysis - as of November 30, 2020 (continued)

	Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Information Technology					
VISA INC CL A			2,524,200.00		
CUSIP: 92826C839 Symbol: V	12,000.00	210.35	3.25%		
MUTUAL FUNDS COMPONENT			9,235,459.80		
(for further details see last section of this report)			11.92%		
Total Information Technology			\$20,416,864.92		
			26.34%		
Materials					
LINDE PLC EUR			1,025,680.00		
CUSIP: G5494J103 Symbol: LIN	4,000.00	256.42	1.32%		
RIO TINTO PLC SPON ADR			324,850.00		
CUSIP: 767204100 Symbol: RIO	5,000.00	64.97	0.42%		
MUTUAL FUNDS COMPONENT			833,738.93		
(for further details see last section of this report)			1.08%		
Total Materials			\$2,184,268.93		
			2.82%		
Real Estate					
AMERICAN TOWER CORP REIT			231,200.00		
CUSIP: 03027X100 Symbol: AMT	1,000.00	231.20	0.30%		
CROWN CASTLE INTL CORP REIT			452,439.00		
CUSIP: 22822V101 Symbol: CCI	2,700.00	167.57	0.58%		
REALTY INCOME CORP MD SBI			299,850.00		
CUSIP: 756109104 Symbol: O	5,000.00	59.97	0.39%		
MUTUAL FUNDS COMPONENT			517,950.94		
(for further details see last section of this report)			0.67%		
Total Real Estate			\$1,501,439.94		
			1.94%		
Utilities					
DUKE ENERGY CORP NEW			281,779.06		
CUSIP: 26441C204 Symbol: DUK	3,041.00	92.66	0.38%		
MUTUAL FUNDS COMPONENT			816,521.78		
(for further details see last section of this report)			1.05%		
Total Utilities			\$1,098,300.84		
			1.43%		
Total classified equity			\$77,510,706.13		

Equity sector analysis - as of November 30, 2020 (continued)

			Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Unclassified Securities							
CALL AECOM DUE 03/19/21	55.000	2048J1			-2,511.00		
CUSIP: 99UBBTP37 Symbol: ACM			-9.00	279.00	0.00%		
CALL APPLE INC DUE 03/19/21	150.000	030911			-2,730.00		
CUSIP: 99UBA3UT2 Symbol: AAPL			-13.00	210.00	0.00%		
CALL BRISTOL MYERS SQUIB DUE 06/18/21	70.000				-1,640.00		
053082			-10.00	164.00	0.00%		
CUSIP: 99UBAXPD7 Symbol: BMY							
CALL CHEVRON CORP DUE 12/18/20	125.000	0926P3			-255.00		
CUSIP: 99UBBC536 Symbol: CVX			-17.00	15.00	0.00%		
CALL COMCAST CORP NEW CL DUE 06/18/21	50.000				-3,360.00		
026263			-8.00	420.00	0.00%		
CUSIP: 99UBB0ID6 Symbol: CMCSA							
CALL CONAGRA BRANDS, INC DUE 12/18/20	41.000				-100.00		
101290			-10.00	10.00	0.00%		
CUSIP: 99UBB0HH8 Symbol: CAG							
CALL COSTCO WHOLESALE CO DUE 03/19/21	450.000				-1,850.00		
0929G5			-5.00	370.00	0.00%		
CUSIP: 99UBBWLO8 Symbol: COST							
CALL DANAHER CORP DUE 03/19/21	260.000	126250			-2,860.00		
CUSIP: 99UBAPLM8 Symbol: DHR			-10.00	286.00	0.00%		
CALL DUKE ENERGY CORP NE DUE 01/15/21	105.000				-200.00		
119MG4			-10.00	20.00	0.00%		
CUSIP: 99UBAL1G2 Symbol: DUK							
CALL GENL DYNAMICS CORP DUE 05/21/21	175.000				-1,890.00		
174360			-12.00	157.50	0.00%		
CUSIP: 99UBBSYT2 Symbol: GD							
CALL GENL MILLS INC DUE 04/16/21	67.500	177105			-925.00		
CUSIP: 99UBBVKU7 Symbol: GIS			-10.00	92.50	0.00%		
CALL HARTFORD FINCL SERV DUE 01/15/21	70.000				-100.00		
1988E4			-10.00	10.00	0.00%		
CUSIP: 99UBBAGZ7 Symbol: HIG							
CALL IDEX CORP DUE 04/16/21	200.000	223085			-9,500.00		
CUSIP: 99UBBV1I5 Symbol: IEX			-10.00	950.00	-0.01%		
CALL JPMORGAN CHASE & CO DUE 12/18/20	125.000				-900.00		
241JP2			-10.00	90.00	0.00%		
CUSIP: 99UBA66E5 Symbol: JPM							
CALL LINDE PLC EUR DUE 04/16/21	280.000	2621Y8			-6,550.00		
CUSIP: 99UBBV7M0 Symbol: LIN			-10.00	655.00	-0.01%		
CALL MARSH & MCLENNAN CO DUE 04/16/21	125.000				-4,500.00		
275603			-20.00	225.00	-0.01%		
CUSIP: 99UBBWM41 Symbol: MMC							
CALL ONEOK INC NEW DUE 01/15/21	42.500	3496G4			-1,380.00		
CUSIP: 99UBB0N65 Symbol: OKE			-20.00	69.00	0.00%		
CALL ORACLE CORP DUE 12/18/20	62.500	353752			-360.00		
CUSIP: 99UBARTO2 Symbol: ORCL			-10.00	36.00	0.00%		

Equity sector analysis - as of November 30, 2020 (continued)

			Number of shares	Price on 11/30/2020 (\$)	Value of equity (\$/%)	CIO GWM Recommendation	UBS Investment Research rating
Unclassified Securities							
CALL PEPSICO INC DUE 12/18/20	155.000	368024			-70.00		
CUSIP: 99UBA7Y13 Symbol: PEP			-10.00	7.00	0.00%		
CALL PFIZER INC DUE 06/18/21	40.000 +SPIN-OFF	370011			-10,500.00		
CUSIP: 99UBB3ZY5 Symbol: PFE1			-30.00	350.00	-0.01%		
CALL PROCTER & GAMBLE CO DUE 01/15/21	145.000				-3,720.00		
383601			-30.00	124.00	0.00%		
CUSIP: 99UBB1ZM5 Symbol: PG							
CALL RIO TINTO PLC SPON DUE 04/16/21	67.500				-3,200.00		
4005C0			-10.00	320.00	0.00%		
CUSIP: 99UBBWPH9 Symbol: RIO							
CALL SMUCKER J M CO NEW DUE 01/15/21	130.000				-400.00		
4258Y5			-10.00	40.00	0.00%		
CUSIP: 99UBBC569 Symbol: SJM							
CALL STARBUCKS CORP DUE 06/18/21	105.000				-5,400.00		
509736			-12.00	450.00	-0.01%		
CUSIP: 99UBBHKL8 Symbol: SBUX							
CALL VISA INC CL A DUE 12/18/20	225.000	488372			-650.00		
CUSIP: 99UBAQM37 Symbol: V			-10.00	65.00	0.00%		
CALL WALT DISNEY CO (HOL DUE 04/16/21	160.000				-11,925.00		
129488			-18.00	662.50	-0.02%		
CUSIP: 99UBBVAX2 Symbol: DIS							
CALL YUM CHINA HLDGS INC DUE 04/16/21	65.000				-4,500.00		
518NY1			-30.00	150.00	-0.01%		
CUSIP: 99UBAQTZ9 Symbol: YUMC							
CALL YUM! BRANDS INC DUE 12/18/20	105.000				-5,600.00		
5175J8			-20.00	280.00	-0.01%		
CUSIP: 99UBB0OP2 Symbol: YUM							
ESCROW ALTABA INC					43,650.00		
CUSIP: 021ESC017 Symbol:			3,000.00	14.55	0.06%		
ESCROW GENERAL MTRS CORP 6.250% SER C DUE 07/15/33 CALLBL					0.00		
CONV			20,000.00	0.00	0.00%		
CUSIP: 370ESC717 Symbol:							
PUT APPLE INC DUE 12/18/20	62.500	030911			-40.00		
CUSIP: 99UBA9HA5 Symbol: AAPL			-40.00	1.00	0.00%		
PUT TRACTOR SUPPLY COMP DUE 01/15/21	95.000				-350.00		
4608B6			-10.00	35.00	0.00%		
CUSIP: 99UBBHQU2 Symbol: TSCO							
RTS BRISTOL-MYERS SQUIBB CO EXP 03/31/21					3,540.00		
CUSIP: 110122157 Symbol: BMYRT			3,000.00	1.18	0.00%		
Total Unclassified Securities					-\$40,776.00		
					-0.05%		
Total equity					\$77,469,930.13		

Balanced mutual funds represented in multiple asset classes based on Morningstar allocations.

Rounding calculation may affect totals.

Blended investments included in this report

	Quantity	Price on 11/30/2020 (\$)	Market value on 11/30/2020 (\$)	Equity market value on 11/30/2020 (\$)	CIO GWM Recommendation	UBS Investment Research rating
AMER FUNDS CAPITAL WORLD GROWTH & INCOME FUND CL A CUSIP: 140543109 Symbol: CWGIX (95.59% Equity)	27,635.26	56.86	1,571,340.77	1,502,044.63		
AMER FUNDS NEW WORLD FUND CLASS F2 CUSIP: 649280823 Symbol: NFFFX (91.47% Equity)	11,692.50	82.60	965,800.09	883,417.42		
AMERICAN FUNDS NEW WORLD FUND CL A CUSIP: 649280104 Symbol: NEWFX (91.47% Equity)	35,550.20	82.66	2,938,579.53	2,687,918.93		
CLEARBRIDGE INTERNATIONAL GROWTH FUND CLASS I CUSIP: 524686524 Symbol: LMGNX (98.23% Equity)	61,736.91	64.03	3,953,014.22	3,883,045.95		
COLUMBIA SELIGMAN COMMUNICATION AND INFORMATION FUND A CUSIP: 19766H429 Symbol: SLMCX (99.31% Equity)	56,228.39	106.28	5,975,953.08	5,934,719.04		
ISHARES RUSSELL 2000 ETF CUSIP: 464287655 Symbol: IWM (99.76% Equity)	8,819.00	181.02	1,596,415.38	1,592,583.98		
MFS NEW DISCOVERY VALUE FUND CLASS A CUSIP: 55278M100 Symbol: NDVAX (98.1% Equity)	96,515.87	15.49	1,495,030.80	1,466,625.20		
MFS VALUE FUND CLASS A CUSIP: 552983801 Symbol: MEIAX (98.79% Equity)	107,991.21	44.19	4,772,131.44	4,714,388.64		
SPDR S&P 500 ETF TR CUSIP: 78462F103 Symbol: SPY (99.97% Equity)	2,322.00	362.06	840,703.32	840,451.12		
VANGUARD MID-CAP VALUE ETF CUSIP: 922908512 Symbol: VOE (99.89% Equity)	7,580.00	115.55	875,869.00	874,905.55		
VIRTUS KAR SMALL-CAP GROWTH FUND CLASS A CUSIP: 92828N627 Symbol: PSGAX (92.35% Equity)	62,843.63	54.44	3,421,207.22	3,159,484.87		

Bond summary

as of November 30, 2020

Bond overview

Total quantity	852,000
Total market value	\$884,661.35
Total accrued interest	\$1,296.34
Total market value plus accrued interest	\$885,957.69
Total estimated annual bond interest	\$28,571.35
Average coupon	3.79%
Average current yield	3.23%
Average yield to maturity	0.17%
Average yield to worst	0.17%
Average modified duration	0.78
Average effective maturity	0.82

Credit quality of bond holdings

Effective credit rating	Issues	Value on 11/30/2020 (\$)	% of port.
A Aaa/AAA/AAA	0	0.00	0.00
B Aa/AA/AA	0	0.00	0.00
C A/A/A	1	350,798.46	39.52
D Baa/BBB/BBB	0	0.00	0.00
E Non-investment grade	0	0.00	0.00
F Certificate of deposit	3	535,159.24	60.48
G Not rated	1	0.00	0.00
Total	5	\$885,957.69	100%

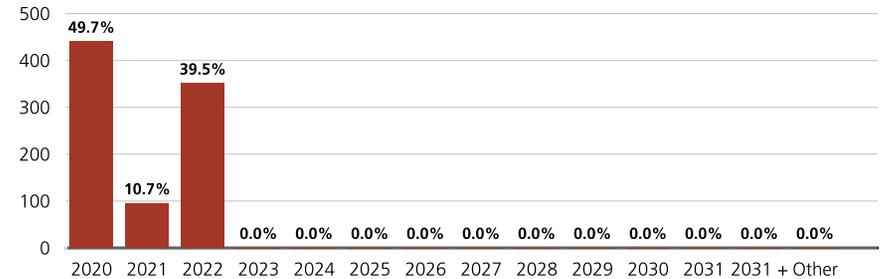


Investment type allocation

Investment type	Taxable (\$)	Tax-exempt / deferred (\$)	Total (\$)	% of bond port.
Certificates of deposit	0.00	535,159.24	535,159.24	60.40
U.S. corporates	0.00	350,798.46	350,798.46	39.60
Total	\$0.00	\$885,957.70	\$885,957.70	100%

Bond maturity schedule

\$ Thousands



Effective maturity schedule

Cash, mutual funds and some preferred securities are not included.



Bond holdings

as of November 30, 2020

Summary of bond holdings

Maturity Year	Issues	Quantity	Est. annual income (\$)	Current yield (%)	Yield to maturity (%)	Yield to worst (%)	Modified duration	Adjusted cost basis (\$)	Unrealized gain/loss (\$)	Mkt. value (\$)	% of bond portfolio maturing
2020	2	440,000	347.50	0.08%	0.03 %	0.03 %	0.05	440,000	12.05	440,098.13	49.74%
2021	1	95,000	142.50	0.15%	0.05 %	0.05 %	0.22	95,000	20.90	95,061.11	10.74%
2022	1	297,000	28,081.35	8.03%	0.37 %	0.37 %	1.84	293,625	56,003.40	350,798.46	39.52%
2023	0	0			NA	NA	NA				
2024	0	0			NA	NA	NA				
2025	0	0			NA	NA	NA				
2026	0	0			NA	NA	NA				
2027	0	0			NA	NA	NA				
2028	0	0			NA	NA	NA				
2029	0	0			NA	NA	NA				
2030	0	0			NA	NA	NA				
2031	0	0			NA	NA	NA				
2032	0	0			NA	NA	NA				
2033	1	20,000	0.00	0.00%	NA	NA	NA	496,763	-496,763.00	0.00	
2034	0	0			NA	NA	NA				
2035	0	0			NA	NA	NA				
2036	0	0			NA	NA	NA				
2037	0	0			NA	NA	NA				
2038	0	0			NA	NA	NA				
2039	0	0			NA	NA	NA				
2040	0	0			NA	NA	NA				
2041	0	0			NA	NA	NA				
2042	0	0			NA	NA	NA				
2043	0	0			NA	NA	NA				
2044	0	0			NA	NA	NA				
2045	0	0			NA	NA	NA				
2046	0	0			NA	NA	NA				
2047	0	0			NA	NA	NA				
2048	0	0			NA	NA	NA				
2049	0	0			NA	NA	NA				
2049 +	0	0			NA	NA	NA				
Other	0	0			NA	NA	NA				
Total	5	852,000	\$28,571.35	3.23%	0.17 %	0.17 %	0.78	\$1,325,388.00	\$-440,726.65	\$885,957.69	

Includes all fixed-rate securities in the selected portfolio. Average yields and durations exclude Structured Product, Pass-Through, Perpetual Preferred, and Foreign securities.



Bond holdings - as of November 30, 2020 (continued)

Details of bond holdings

	Effective rating/ Underlying rating (Mdy/Fitch/S&P)	Quantity	Coupon	Effective maturity	Call date/ Call price (\$)	Est. annual income (\$)/ Curr. yield (%)	YTM (%) / YTW (%)	Modified duration	Adjusted cost basis (\$)/ Unreal. g/l (\$)	Market price (\$)	Mkt. value (\$)/ Accr. interest (\$)	% of bond port.
Total Bond Portfolio		852,000	3.79%	09/27/2021	NA	\$28,571.35 3.23%	0.17% 0.17%	0.78	\$1,325,388.00 \$-440,726.65	NA	\$884,661.35 \$1,296.34 \$885,957.69	100%

	Effective rating/ Underlying rating (Mdy/Fitch/S&P)	Quantity	Coupon	Effective maturity	Call date/ Call price (\$)	Est. annual income (\$)/ Curr. yield (%)	YTM (%) / YTW (%)	Modified duration	Adjusted cost basis (\$)/ Unreal. g/l (\$)	Market price (\$)	Mkt. value (\$)/ Accr. interest (\$)	% of bond port.
Maturing 2020												
BANKUNITED NA FLOR FL US RT 00.0500% MAT 12/16/20 FIXED RATE CD /FL CUSIP: 066519PM5 Initial Purchase Date: 09/09/2020 Original Maturity: 12/16/2020	CD	185,000	0.05%	12/16/2020		92.50 0.05%	0.03% 0.03%	0.04	185,000.00 1.85	100.001	185,001.85 19.01	20.91%
BEAL BANK, SSB TX US RT 00.1000% MAT 12/23/20 FIXED RATE CD /TX CUSIP: 07371ACM3 Initial Purchase Date: 08/17/2020 Original Maturity: 12/23/2020	CD	255,000	0.10%	12/23/2020		255.00 0.10%	0.04% 0.04%	0.06	255,000.00 10.20	100.004	255,010.20 67.07	28.83%
Total 2020		440,000	0.08%	12/20/2020		\$347.50 0.08%	0.03% 0.03%	0.05	\$440,000.00 \$12.05		\$440,012.05 \$86.08	49.74%

	Effective rating/ Underlying rating (Mdy/Fitch/S&P)	Quantity	Coupon	Effective maturity	Call date/ Call price (\$)	Est. annual income (\$)/ Curr. yield (%)	YTM (%) / YTW (%)	Modified duration	Adjusted cost basis (\$)/ Unreal. g/l (\$)	Market price (\$)	Mkt. value (\$)/ Accr. interest (\$)	% of bond port.
Maturing 2021												
BEAL BK NV US RT 00.1500% MAT 02/17/21 FIXED RATE CD /NV CUSIP: 07371CDN6 Initial Purchase Date: 08/12/2020 Original Maturity: 02/17/2021	CD	95,000	0.15%	02/17/2021		142.50 0.15%	0.05% 0.05%	0.22	95,000.00 20.90	100.022	95,020.90 40.21	10.74%
Total 2021		95,000	0.15%	02/17/2021		\$142.50 0.15%	0.05% 0.05%	0.22	\$95,000.00 \$20.90		\$95,020.90 \$40.21	10.74%

Includes all fixed-rate securities in the selected portfolio. Average yields and durations exclude Structured Product, Pass-Through, Perpetual Preferred, and Foreign securities.

Bond holdings - as of November 30, 2020 (continued)

	Effective rating/ Underlying rating (Mdy/Fitch/S&P)	Quantity	Coupon	Effective maturity	Call date/ Call price (\$)	Est. annual income (\$)/ Curr. yield (%)	YTM (%)/ YTW (%)	Modified duration	Adjusted cost basis (\$)/ Unreal. g/l (\$)	Market price (\$)	Mkt. value (\$)/ Accr. interest (\$)	% of bond port.
Maturing 2022												
COMCAST CABLE 09.455% 111522 DTD111802 FC051503 COMMUNICATION CUSIP: 00209TAB1 Initial Purchase Date: 02/13/1992 Original Maturity: 11/15/2022	A3/A-/A- NR/NR/NR	297,000	9.46%	11/15/2022		28,081.35 8.03%	0.37% 0.37%	1.84	293,625.00 56,003.40	117.720	349,628.40 1,170.06	39.52%
Total 2022		297,000	9.46%	11/15/2022		\$28,081.35 8.03%	0.37% 0.37%	1.84	\$293,625.00 \$56,003.40		\$349,628.40 \$1,170.06	39.52%
Maturing 2033												
ESCROW GENERAL MTRS CORP 6.250% SER C DUE 07/15/33 CALLBL CONV /DE CUSIP: 370ESC717 Initial Purchase Date: 07/10/2003 Original Maturity: 07/15/2033	WR/NR/NR NR/NR/NR	20,000	6.25%	07/15/2033	07/15/2033 25.00		NA NA	NA NA	496,763.00 -496,763.00	0.000	0.00 0.00	0.00%
Total 2033		20,000	6.25%	07/15/2033		\$0.00 0.00%	NA NA	NA	\$496,763.00 -\$496,763.00		\$0.00 \$0.00	0.00%
Total Bond Portfolio		852,000	3.79%	09/27/2021	NA	\$28,571.35 3.23%	0.17% 0.17%	0.78	\$1,325,388.00 -\$440,726.65	NA	\$884,661.35 \$1,296.34 \$885,957.69	100%

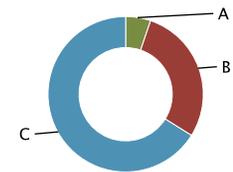
Includes all fixed-rate securities in the selected portfolio. Average yields and durations exclude Structured Product, Pass-Through, Perpetual Preferred, and Foreign securities.

Portfolio holdings

as of November 30, 2020

Summary of Portfolio Holdings

	Cost basis (\$)	Value on 11/30/2020 (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Portfolio
A Cash	6,172,476.96	6,172,476.96	0.00	0.00%	6,414.44	0.10%	5.21%
Cash	6,172,476.96	6,172,476.96	0.00	0.00%	6,414.44	0.10%	5.21%
US	6,172,476.96	6,172,476.96	0.00	0.00%	6,414.44	0.10%	5.21%
US Cash	6,172,476.96	6,172,476.96	0.00	0.00%	6,414.44	0.10%	5.21%
B Fixed Income	32,912,516.89	33,981,897.83	1,069,380.94	3.25%	888,506.57	2.61%	28.68%
US	27,907,704.42	28,943,742.66	1,036,038.24	3.71%	750,540.65	2.59%	24.42%
US Fixed Income	19,406,614.87	20,024,543.07	617,928.20	3.18%	449,696.99	2.25%	16.89%
Short	5,572,033.94	5,851,726.12	279,692.18	5.02%	114,417.45	1.96%	4.94%
Intermediate	13,299,580.93	13,637,657.71	338,076.78	2.54%	334,789.54	2.45%	11.50%
Other	535,000.00	535,159.24	159.24	0.03%	490.00	0.09%	0.45%
Government	3,865,040.73	4,265,790.06	400,749.33	10.37%	52,250.73	1.22%	3.60%
Other	3,865,040.73	4,265,790.06	400,749.33	10.37%	52,250.73	1.22%	3.60%
Corporate IG Credit	293,625.00	350,798.46	57,173.46	19.47%	28,081.35	8.03%	0.30%
Short	293,625.00	350,798.46	57,173.46	19.47%	28,081.35	8.03%	0.30%
Corporate High Yield	4,342,423.82	4,302,611.07	-39,812.75	-0.92%	220,511.58	5.13%	3.63%
Corporate High Yield	4,342,423.82	4,302,611.07	-39,812.75	-0.92%	220,511.58	5.13%	3.63%
Global	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	3.37%
Global	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	3.37%
Global	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	3.37%
International	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.53	3.78%	0.89%
Emerging Markets	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.53	3.78%	0.89%
Emerging Markets	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.53	3.78%	0.89%
C Equity	39,977,125.30	78,336,389.61	38,359,264.31	95.95%	897,998.27	1.15%	66.11%
US	27,862,583.80	60,382,112.30	32,519,528.50	116.71%	785,931.88	1.30%	50.96%
US Equity	6,900.00	3,540.00	-3,360.00	-48.70%	0.00	0.00%	0.00%
Other	6,900.00	3,540.00	-3,360.00	-48.70%	0.00	0.00%	0.00%
Large Cap	16,319,510.34	39,868,661.71	23,549,151.37	144.30%	515,491.47	1.29%	33.65%
Core	5,723,906.13	17,197,337.59	11,473,431.46	200.45%	192,680.08	1.12%	14.51%
Growth	2,795,884.80	11,468,295.16	8,672,410.36	310.18%	38,940.00	0.34%	9.68%
Value	7,734,887.16	10,950,972.16	3,216,085.00	41.58%	279,541.39	2.55%	9.24%
Public Real Estate	63,618.17	231,200.00	167,581.83	263.42%	4,330.00	1.87%	0.20%
Other	1,214.08	20,856.80	19,642.72	1,617.91%	0.00	0.00%	0.02%
Mid Cap	5,608,343.28	12,394,002.20	6,785,658.92	120.99%	214,846.03	1.73%	10.46%
Core	3,123,053.43	8,285,369.20	5,162,315.77	165.30%	97,124.00	1.17%	6.99%
Growth	507,168.68	1,609,104.00	1,101,935.32	217.27%	3,810.00	0.24%	1.36%
Value	1,742,169.25	2,199,679.00	457,509.75	26.26%	99,872.03	4.54%	1.86%
Public Real Estate	235,951.92	299,850.00	63,898.08	27.08%	14,040.00	4.68%	0.25%





Portfolio holdings - as of November 30, 2020 (continued)

	Cost basis (\$)	Value on 11/30/2020 (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Portfolio
Small Cap	5,431,067.18	8,115,908.39	2,684,841.21	49.43%	55,594.38	0.69%	6.85%
Core	2,013,739.34	2,660,945.38	647,206.04	32.14%	34,084.04	1.28%	2.25%
Growth	1,339,940.45	3,421,207.21	2,081,266.76	155.33%	0.00	0.00%	2.88%
Value	2,077,387.39	2,033,755.80	-43,631.59	-2.10%	21,510.34	1.06%	1.72%
Convertibles	496,763.00	0.00	-496,763.00	-100.00%	0.00	0.00%	0.00%
Convertibles	496,763.00	0.00	-496,763.00	-100.00%	0.00	0.00%	0.00%
Global	4,132,772.71	7,547,293.85	3,414,521.14	82.62%	20,173.74	0.27%	6.37%
Global	4,132,772.71	7,547,293.85	3,414,521.14	82.62%	20,173.74	0.27%	6.37%
Core	4,132,772.71	7,547,293.85	3,414,521.14	82.62%	20,173.74	0.27%	6.37%
International	7,981,768.79	10,406,983.46	2,425,214.67	30.38%	91,892.65	0.88%	8.78%
International	84,933.90	273,240.00	188,306.10	221.71%	0.00	0.00%	0.23%
Core	84,933.90	273,240.00	188,306.10	221.71%	0.00	0.00%	0.23%
Developed Markets	5,005,013.39	5,973,184.72	968,171.33	19.34%	54,663.60	0.92%	5.04%
Core	530,227.55	679,390.50	149,162.95	28.13%	9,357.72	1.38%	0.57%
Growth	4,262,257.99	4,972,144.22	709,886.23	16.66%	26,005.88	0.52%	4.20%
Value	212,527.85	321,650.00	109,122.15	51.34%	19,300.00	6.00%	0.27%
Emerging Markets	2,891,821.50	4,160,558.74	1,268,737.24	43.87%	37,229.05	0.89%	3.51%
Growth	2,779,753.89	3,904,379.62	1,124,625.73	40.46%	37,229.05	0.95%	3.29%
Other	112,067.61	256,179.12	144,111.51	128.59%	0.00	0.00%	0.22%
D Commodities	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
E Non-Traditional	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
F Other	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
Total Portfolio	\$79,062,119.15	\$118,490,764.40	\$39,428,645.25	49.87%	\$1,792,919.28	1.51%	100%

Balanced mutual funds represented in multiple asset classes based on Morningstar allocations



Portfolio holdings - as of November 30, 2020 (continued)

Details of portfolio holdings

	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of asset class	% of Portfolio
Total Portfolio	\$79,062,119.15	\$118,490,764.40	\$39,428,645.25	49.87%	\$1,792,919.28	1.51%	100%	100%

	Quantity	Purchase price (\$)/ Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Cash	% of Portfolio
Cash											
Cash											
US											
US Cash											
LIQUID ASSETS GOVT FUND	6,172,476.96	1.00	1.00	6,172,476.96	6,172,476.96	0.00	0.00%	6,414.44	0.10%	100.00%	5.21%
CUSIP: 90262Y307 Symbol: MMLIRA											
Total US Cash				\$6,172,476.96	\$6,172,476.96	\$0.00	0.00%	\$6,414.44	0.10%	100.00%	5.21%
Total US				\$6,172,476.96	\$6,172,476.96	\$0.00	0.00%	\$6,414.44	0.10%	100.00%	5.21%
Total Cash				\$6,172,476.96	\$6,172,476.96	\$0.00	0.00%	\$6,414.44	0.10%	100.00%	5.21%
Total Cash				\$6,172,476.96	\$6,172,476.96	\$0.00	0.00%	\$6,414.44	0.10%	100.00%	5.21%

	Quantity	Purchase price (\$)/ Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
Fixed Income											
US											
US Fixed Income											
Short											
THORNBURG LIMITED TERM INCOME FD CLASS A	417,682.09	13.34	14.01	5,572,033.94	5,851,726.12	279,692.18	5.02%	114,417.45	1.96%	17.22%	4.94%
CUSIP: 885215509 Symbol: THIFX											
Initial purchase date: Mar 09, 2017											
Client investment: \$5,020,625.28											
Reinvested dividends: \$551,408.66											
Investment return: \$831,100.84 (16.55%)											
Total Short				\$5,572,033.94	\$5,851,726.12	\$279,692.18	5.02%	\$114,417.45	1.96%	17.22%	4.94%

Intermediate



Portfolio holdings - as of November 30, 2020 (continued)

Fixed Income	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
US											
Intermediate											
LOOMIS SAYLES INVESTMENT GRADE BOND FUND CLASS A CUSIP: 543487144 Symbol: LIGRX Initial purchase date: Jun 13, 2014 Client investment: \$7,097,012.03 Reinvested dividends: \$1,896,548.33 Investment return: \$1,900,818.26 (26.78%)	744,237.41	12.08	12.09	8,993,560.36	8,997,830.29	4,269.93	0.05%	252,668.60	2.81%	26.48%	7.58%
METROPOLITAN WEST TOTAL RETURN BOND FUND CUSIP: 592905103 Symbol: MWTRX Initial purchase date: Nov 14, 2014 Client investment: \$3,587,358.91 Reinvested dividends: \$718,661.66 Investment return: \$1,052,468.51 (29.34%)	396,566.45	10.86	11.70	4,306,020.57	4,639,827.42	333,806.85	7.75%	82,120.94	1.77%	13.65%	3.92%
Total Intermediate				\$13,299,580.93	\$13,637,657.71	\$338,076.78	2.54%	\$334,789.54	2.45%	40.13%	11.50%
Other											
BANKUNITED NA FLOR FL US RT 00.0500% MAT 12/16/20 FIXED RATE CD CUSIP: 066519PM5 Symbol: ZBEMC Initial purchase date: Sep 09, 2020	185,000.00	100.00	100.00	185,000.00	185,020.86	20.86	0.01%	92.50	0.05%	0.54%	0.16%
BEAL BANK, SSB TX US RT 00.1000% MAT 12/23/20 FIXED RATE CD CUSIP: 07371ACM3 Symbol: ZBDIK Initial purchase date: Aug 17, 2020	255,000.00	100.00	100.00	255,000.00	255,077.27	77.27	0.03%	255.00	0.10%	0.75%	0.21%
BEAL BK NV US RT 00.1500% MAT 02/17/21 FIXED RATE CD CUSIP: 07371CDN6 Symbol: ZBDAM Initial purchase date: Aug 12, 2020	95,000.00	100.00	100.02	95,000.00	95,061.11	61.11	0.06%	142.50	0.15%	0.28%	0.08%
Total Other				\$535,000.00	\$535,159.24	\$159.24	0.03%	\$490.00	0.09%	1.58%	0.45%
Total US Fixed Income				\$19,406,614.87	\$20,024,543.07	\$617,928.20	3.18%	\$449,696.99	2.25%	58.93%	16.89%
Government											
Other											
ISHARES TIPS BOND ETF CUSIP: 464287176 Symbol: TIP Initial purchase date: Feb 16, 2017 Client investment: \$3,689,182.34 Reinvested dividends: \$175,858.39 Investment return: \$576,607.72 (15.63%)	33,743.00	114.54	126.42	3,865,040.73	4,265,790.06	400,749.33	10.37%	52,250.73	1.22%	12.55%	3.60%



Portfolio holdings - as of November 30, 2020 (continued)

Fixed Income	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
US											
Other											
Total Other				\$3,865,040.73	\$4,265,790.06	\$400,749.33	10.37%	\$52,250.73	1.22%	12.55%	3.60%
Total Government				\$3,865,040.73	\$4,265,790.06	\$400,749.33	10.37%	\$52,250.73	1.22%	12.55%	3.60%
Corporate IG Credit											
Short											
COMCAST CABLE 09.455% 111522 DTD111802 FC051503 COMMUNICATION CUSIP: 00209TAB1 Initial purchase date: Feb 13, 1992	297,000.00	98.86	117.72	293,625.00	350,798.46	57,173.46	19.47%	28,081.35	8.03%	1.03%	0.30%
Total Short				\$293,625.00	\$350,798.46	\$57,173.46	19.47%	\$28,081.35	8.03%	1.03%	0.30%
Total Corporate IG Credit				\$293,625.00	\$350,798.46	\$57,173.46	19.47%	\$28,081.35	8.03%	1.03%	0.30%
Corporate High Yield											
Corporate High Yield											
BLACKROCK HIGH YIELD BOND PORTFOLIOA CUSIP: 09260B663 Symbol: BHYAX Initial purchase date: Nov 16, 2012 Client investment: \$1,215,925.43 Reinvested dividends: \$1,128,346.42 Investment return: \$1,053,035.28 (86.6%)	295,437.59	7.93	7.68	2,344,271.85	2,268,960.70	-75,311.14	-3.21%	113,063.97	4.98%	6.68%	1.91%
BLACKROCK HIGH YIELD BOND PORTFOLIOINSTITUTIONAL CUSIP: 09260B630 Symbol: BHYIX Initial purchase date: Aug 12, 2020 Client investment: \$1,976,775.79 Reinvested dividends: \$21,376.18 Investment return: \$56,874.58 (2.88%)	264,453.88	7.56	7.69	1,998,151.97	2,033,650.37	35,498.40	1.78%	107,447.61	5.28%	5.98%	1.72%
Total Corporate High Yield				\$4,342,423.82	\$4,302,611.07	\$-39,812.75	-0.92%	\$220,511.58	5.13%	12.66%	3.63%
Total Corporate High Yield				\$4,342,423.82	\$4,302,611.07	\$-39,812.75	-0.92%	\$220,511.58	5.13%	12.66%	3.63%
Total US				\$27,907,704.42	\$28,943,742.66	\$1,036,038.24	3.71%	\$750,540.65	2.59%	85.17%	24.42%



Portfolio holdings - as of November 30, 2020 (continued)

Fixed Income	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
Global											
Global											
Global											
BLACKROCK STRATEGIC INCOME OPPORTUNITIES PORTFOLIOA CUSIP: 09260B416 Symbol: BASIX Initial purchase date: Feb 13, 2014 Client investment: \$3,141,350.15 Reinvested dividends: \$820,360.92 Investment return: \$845,959.49 (26.93%)	387,493.65	10.22	10.29	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	11.73%	3.37%
Total Global				\$3,961,711.07	\$3,987,309.64	\$25,598.57	0.65%	\$98,268.39	2.46%	11.73%	3.37%
Total Global				\$3,961,711.07	\$3,987,309.64	\$25,598.57	0.65%	\$98,268.39	2.46%	11.73%	3.37%
Total Global				\$3,961,711.07	\$3,987,309.64	\$25,598.57	0.65%	\$98,268.39	2.46%	11.73%	3.37%
International											
Emerging Markets											
Emerging Markets											
TCW EMERGING MARKETS INCOME FUND CLASS N CUSIP: 87234N351 Symbol: TGINX Initial purchase date: Oct 09, 2019 Client investment: \$1,000,075.00 Reinvested dividends: \$43,026.40 Investment return: \$50,770.53 (5.08%)	97,753.07	10.67	10.75	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.52	3.78%	3.09%	0.89%
Total Emerging Markets				\$1,043,101.40	\$1,050,845.53	\$7,744.13	0.74%	\$39,697.53	3.78%	3.10%	0.89%
Total Emerging Markets				\$1,043,101.40	\$1,050,845.53	\$7,744.13	0.74%	\$39,697.53	3.78%	3.10%	0.89%
Total International				\$1,043,101.40	\$1,050,845.53	\$7,744.13	0.74%	\$39,697.53	3.78%	3.10%	0.89%
Total Fixed Income				\$32,912,516.89	\$33,981,897.83	\$1,069,380.94	3.25%	\$888,506.57	2.61%	100.00%	28.68%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
US Equity											
Other											
RTS BRISTOL-MYERS SQUIBB CO EXP 03/31/21 CUSIP: 110122157 Symbol: BMYRT Initial purchase date: Nov 21, 2019	3,000.00	2.30	1.18	6,900.00	3,540.00	-3,360.00	-48.70%	0.00	0.00%	0.00%	0.00%
Total Other				\$6,900.00	\$3,540.00	-\$3,360.00	-48.70%	\$0.00	0.00%	0.00%	0.00%
Total US Equity				\$6,900.00	\$3,540.00	-\$3,360.00	-48.70%	\$0.00	0.00%	0.00%	0.00%
Large Cap											
Core											
ABBOTT LABS CUSIP: 002824100 Symbol: ABT Initial purchase date: May 11, 2016	12,269.00	33.01	108.22	404,979.90	1,327,751.18	922,771.28	227.86%	17,667.36	1.33%	1.69%	1.12%
APPLE INC CUSIP: 037833100 Symbol: AAPL Initial purchase date: Sep 15, 2011	32,300.00	19.73	119.05	637,380.77	3,845,314.99	3,207,934.23	503.30%	26,486.00	0.69%	4.91%	3.23%
AUTOMATIC DATA PROCESSNG INC CUSIP: 053015103 Symbol: ADP Initial purchase date: Aug 01, 2002	2,000.00	29.12	173.88	58,245.59	347,760.00	289,514.41	497.06%	7,440.00	2.14%	0.44%	0.29%
BLACKROCK INC CUSIP: 09247X101 Symbol: BLK Initial purchase date: Aug 10, 2016	1,370.00	387.24	698.35	530,515.29	956,739.50	426,224.21	80.34%	19,892.40	2.08%	1.22%	0.81%
BOOKING HLDGS INC CUSIP: 09857L108 Symbol: BKNB Initial purchase date: Feb 26, 2019	200.00	1,908.50	2,028.45	381,699.89	405,690.00	23,990.11	6.29%	0.00	0.00%	0.52%	0.34%
CALL APPLE INC DUE 03/19/21 150.000 030911 CUSIP: 99UBA3UT2 Symbol: AAPL Initial purchase date: Nov 11, 2020	-13.00	15,082.4	210.00	-1,960.72	-2,730.00	-769.28	-39.23%	0.00	0.00%	0.00%	0.00%
CALL COSTCO WHOLESALE CO DUE 03/19/21 450.000 0929G5 CUSIP: 99UBBWLO8 Symbol: COST Initial purchase date: Nov 16, 2020	-5.00	30,708.2	370.00	-1,535.41	-1,850.00	-314.59	-20.49%	0.00	0.00%	0.00%	0.00%
CALL MARSH & MCLENNAN CO DUE 04/16/21 125.000 275603 CUSIP: 99UBBWM41 Symbol: MMC Initial purchase date: Nov 11, 2020	-20.00	18,780.3	225.00	-3,756.06	-4,500.00	-743.94	-19.81%	0.00	0.00%	-0.01%	0.00%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
CALL PEPSICO INC DUE 12/18/20 155.000 368024 CUSIP: 99UBA7Y13 Symbol: PEP Initial purchase date: Jul 21, 2020	-10.00	9,653.30	7.00	-965.33	-70.00	895.33	92.75%	0.00	0.00%	0.00%	0.00%
CALL PROCTER & GAMBLE CO DUE 01/15/21 145.000 383601 CUSIP: 99UBB1ZM5 Symbol: PG Initial purchase date: Jul 21, 2020	-30.00	12,287.4	124.00	-3,686.22	-3,720.00	-33.78	-0.92%	0.00	0.00%	0.00%	0.00%
CALL STARBUCKS CORP DUE 06/18/21 105.000 509736 CUSIP: 99UBBHKL8 Symbol: SBUX Initial purchase date: Aug 12, 2020	-12.00	12,297.7	450.00	-1,475.73	-5,400.00	-3,924.27	-265.92%	0.00	0.00%	-0.01%	0.00%
CALL WALT DISNEY CO (HOL DUE 04/16/21 160.000 129488 CUSIP: 99UBBVAX2 Symbol: DIS Initial purchase date: Nov 11, 2020	-18.00	35,000.1	662.50	-6,300.02	-11,925.00	-5,624.98	-89.29%	0.00	0.00%	-0.02%	-0.01%
CALL YUM CHINA HLDGS INC DUE 04/16/21 65.000 518NY1 CUSIP: 99UBAQZ9 Symbol: YUMC Initial purchase date: Nov 11, 2020	-30.00	19,379.7	150.00	-5,813.91	-4,500.00	1,313.91	22.60%	0.00	0.00%	-0.01%	0.00%
COSTCO WHOLESALE CORP CUSIP: 22160K105 Symbol: COST Initial purchase date: May 10, 2012	2,060.00	100.01	391.77	206,030.16	807,046.20	601,016.04	291.71%	5,768.00	0.71%	1.03%	0.68%
GLOBAL PAYMENTS INC CUSIP: 37940X102 Symbol: GPN Initial purchase date: Dec 10, 2009	5,000.00	25.78	195.19	128,889.82	975,950.00	847,060.18	657.20%	3,900.00	0.40%	1.25%	0.82%
LOCKHEED MARTIN CORP CUSIP: 539830109 Symbol: LMT Initial purchase date: Oct 09, 2019	320.00	388.31	365.00	124,260.66	116,800.00	-7,460.66	-6.00%	3,328.00	2.85%	0.15%	0.10%
MARSH & MCLENNAN COS INC CUSIP: 571748102 Symbol: MMC Initial purchase date: Jan 13, 2016	7,030.00	53.01	114.64	372,652.52	805,919.20	433,266.68	116.27%	13,075.80	1.62%	1.03%	0.68%
MCDONALDS CORP CUSIP: 580135101 Symbol: MCD Initial purchase date: Jan 14, 2010	1,050.00	62.64	217.44	65,769.03	228,312.00	162,542.97	247.14%	5,418.00	2.37%	0.29%	0.19%
O REILLY AUTOMOTIVE INC CUSIP: 67103H107 Symbol: ORLY Initial purchase date: Jul 01, 2003	3,150.00	17.68	442.44	55,702.33	1,393,686.00	1,337,983.67	2,402.02%	0.00	0.00%	1.78%	1.18%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$)/ Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
PEPSICO INC CUSIP: 713448108 Symbol: PEP Initial purchase date: Oct 17, 2011	5,000.00	62.54	144.23	312,687.24	721,150.00	408,462.76	130.63%	20,450.00	2.84%	0.92%	0.61%
PROCTER & GAMBLE CO CUSIP: 742718109 Symbol: PG Initial purchase date: Feb 15, 1996	7,000.00	35.00	138.87	245,024.26	972,090.00	727,065.74	296.73%	22,139.60	2.28%	1.24%	0.82%
PUT APPLE INC DUE 12/18/20 62.500 030911 CUSIP: 99UBA9HA5 Symbol: AAPL Initial purchase date: Aug 14, 2020	-40.00	3,763.53	1.00	-1,505.41	-40.00	1,465.41	97.34%	0.00	0.00%	0.00%	0.00%
SPDR S&P 500 ETF TR CUSIP: 78462F103 Symbol: SPY Initial purchase date: Feb 08, 2017 Client investment: \$502,534.43 Reinvested dividends: \$41,871.48 Investment return: \$338,168.89 (67.29%)	2,322.00	234.46	362.06	544,405.91	840,703.32	296,297.41	54.43%	13,191.32	1.57%	1.07%	0.71%
STARBUCKS CORP CUSIP: 855244109 Symbol: SBUX Initial purchase date: May 10, 2012	11,280.00	52.24	98.02	589,287.75	1,105,665.60	516,377.85	87.63%	20,304.00	1.84%	1.41%	0.93%
THERMO FISHER SCIENTIFIC INC CUSIP: 883556102 Symbol: TMO Initial purchase date: Oct 09, 2019	445.00	280.04	464.98	124,616.33	206,916.10	82,299.77	66.04%	391.60	0.19%	0.26%	0.17%
UNITEDHEALTH GROUP INC CUSIP: 91324P102 Symbol: UNH Initial purchase date: Oct 09, 2019	560.00	224.30	336.34	125,605.88	188,350.40	62,744.52	49.95%	2,800.00	1.49%	0.24%	0.16%
WALMART INC CUSIP: 931142103 Symbol: WMT Initial purchase date: Oct 09, 2019	1,050.00	120.26	152.79	126,275.03	160,429.50	34,154.47	27.05%	2,268.00	1.41%	0.20%	0.14%
WALT DISNEY CO (HOLDING CO) DISNEY COM CUSIP: 254687106 Symbol: DIS Initial purchase date: Dec 09, 2015	5,860.00	104.21	148.01	610,699.80	867,338.60	256,638.80	42.02%	0.00	0.00%	1.11%	0.73%
YUM CHINA HLDGS INC CUSIP: 98850P109 Symbol: YUMC Initial purchase date: Sep 09, 2004	17,000.00	6.25	56.38	106,176.78	958,460.00	852,283.22	802.70%	8,160.00	0.85%	1.22%	0.81%
Total Core				\$5,723,906.13	\$17,197,337.59	\$11,473,431.46	200.45%	\$192,680.08	1.12%	21.94%	14.51%
Growth											
ALPHABET INC CL A CUSIP: 02079K305 Symbol: GOOGL Initial purchase date: Nov 12, 2009	832.00	452.75	1,754.40	376,686.20	1,459,660.80	1,082,974.60	287.50%	0.00	0.00%	1.86%	1.23%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Growth											
ALPHABET INC CL C CUSIP: 02079K107 Symbol: GOOG Initial purchase date: Nov 12, 2009	904.00	433.82	1,760.74	392,177.01	1,591,708.96	1,199,531.95	305.86%	0.00	0.00%	2.03%	1.34%
AMAZON.COM INC CUSIP: 023135106 Symbol: AMZN Initial purchase date: Sep 14, 2016	585.00	769.36	3,168.04	450,073.08	1,853,303.40	1,403,230.32	311.78%	0.00	0.00%	2.37%	1.56%
CALL DANAHER CORP DUE 03/19/21 260.000 126250 CUSIP: 99UBAPLM8 Symbol: DHR Initial purchase date: Nov 11, 2020	-10.00	43,080.5	286.00	-4,308.05	-2,860.00	1,448.05	33.61%	0.00	0.00%	0.00%	0.00%
CALL VISA INC CL A DUE 12/18/20 225.000 488372 CUSIP: 99UBAQM37 Symbol: V Initial purchase date: Jul 21, 2020	-10.00	41,506.1	65.00	-4,150.61	-650.00	3,500.61	84.34%	0.00	0.00%	0.00%	0.01%
CROWN CASTLE INTL CORP REIT CUSIP: 22822V101 Symbol: CCI Initial purchase date: Nov 28, 2016	2,700.00	85.14	167.57	229,878.93	452,439.00	222,560.07	96.82%	14,364.00	3.17%	0.58%	0.38%
DANAHER CORP CUSIP: 235851102 Symbol: DHR Initial purchase date: Jun 09, 2005	10,000.00	12.99	224.63	129,862.63	2,246,300.00	2,116,437.37	1,629.75%	7,200.00	0.32%	2.87%	1.90%
ESCROW ALTABA INC CUSIP: 021ESC017 Initial purchase date: Jun 12, 2014	3,000.00	36.85	14.55	110,545.88	43,650.00	-66,895.88	-60.51%	0.00	0.00%	0.06%	0.04%
FACEBOOK INC CL A CUSIP: 30303M102 Symbol: FB Initial purchase date: May 29, 2019	4,000.00	185.11	276.97	740,424.45	1,107,880.00	367,455.55	49.63%	0.00	0.00%	1.41%	0.93%
MICROSOFT CORP CUSIP: 594918104 Symbol: MSFT Initial purchase date: Oct 09, 2019	900.00	139.79	214.07	125,813.00	192,663.00	66,850.00	53.13%	2,016.00	1.05%	0.25%	0.16%
VISA INC CL A CUSIP: 92826C839 Symbol: V Initial purchase date: Oct 17, 2011	12,000.00	20.74	210.35	248,882.28	2,524,200.00	2,275,317.72	914.21%	15,360.00	0.61%	3.22%	2.13%
Total Growth				\$2,795,884.80	\$11,468,295.16	\$8,672,410.36	310.18%	\$38,940.00	0.34%	14.64%	9.68%
Value											
AT&T INC CUSIP: 00206R102 Symbol: T Initial purchase date: Jun 09, 2011	5,968.00	31.24	28.75	186,443.46	171,580.00	-14,863.46	-7.97%	12,413.44	7.23%	0.22%	0.14%
BANK OF AMER CORP CUSIP: 060505104 Symbol: BAC Initial purchase date: Jan 13, 2016	33,050.00	15.11	28.16	499,349.09	930,688.00	431,338.91	86.38%	23,796.00	2.56%	1.19%	0.79%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
BRISTOL MYERS SQUIBB CO CUSIP: 110122108 Symbol: BMY Initial purchase date: Nov 21, 2019	3,000.00	56.41	62.40	169,230.00	187,200.00	17,970.00	10.62%	5,400.00	2.88%	0.24%	0.16%
CALL BRISTOL MYERS SQUIB DUE 06/18/21 70.000 053082	-10.00	19,178.4	164.00	-1,917.84	-1,640.00	277.84	14.49%	0.00	0.00%	0.00%	0.00%
CALL CHEVRON CORP DUE 12/18/20 125.000 0926P3 CUSIP: 99UBBC536 Symbol: CVX Initial purchase date: Feb 14, 2020	-17.00	18,235.5	15.00	-3,100.04	-255.00	2,845.04	91.77%	0.00	0.00%	0.00%	0.00%
CALL COMCAST CORP NEW CL DUE 06/18/21 50.000 026263 CUSIP: 99UBB0ID6 Symbol: CMCSA Initial purchase date: Jul 20, 2020	-8.00	13,738.6	420.00	-1,099.09	-3,360.00	-2,260.91	-205.71%	0.00	0.00%	0.00%	0.00%
CALL DUKE ENERGY CORP NE DUE 01/15/21 105.000 119MG4 CUSIP: 99UBAL1G2 Symbol: DUK Initial purchase date: Feb 14, 2020	-10.00	32,453.5	20.00	-3,245.35	-200.00	3,045.35	93.84%	0.00	0.00%	0.00%	0.00%
CALL GENL DYNAMICS CORP DUE 05/21/21 175.000 174360 CUSIP: 99UBBSYT2 Symbol: GD Initial purchase date: Nov 11, 2020	-12.00	26,354.2	157.50	-3,162.51	-1,890.00	1,272.51	40.24%	0.00	0.00%	0.00%	0.00%
CALL GENL MILLS INC DUE 04/16/21 67.500 177105 CUSIP: 99UBBVKU7 Symbol: GIS Initial purchase date: Nov 13, 2020	-10.00	9,162.30	92.50	-916.23	-925.00	-8.77	-0.96%	0.00	0.00%	0.00%	0.00%
CALL JPMORGAN CHASE & CO DUE 12/18/20 125.000 241JP2 CUSIP: 99UBA66E5 Symbol: JPM Initial purchase date: Aug 12, 2020	-10.00	14,857.7	90.00	-1,485.77	-900.00	585.77	39.43%	0.00	0.00%	0.00%	0.00%
CALL ORACLE CORP DUE 12/18/20 62.500 353752 CUSIP: 99UBARTO2 Symbol: ORCL Initial purchase date: May 20, 2020	-10.00	12,206.4	36.00	-1,220.64	-360.00	860.64	70.51%	0.00	0.00%	0.00%	0.00%
CALL PFIZER INC DUE 06/18/21 40.000 +SPIN-OFF 370011 CUSIP: 99UBB3ZY5 Symbol: PFE1 Initial purchase date: Jul 21, 2020	-30.00	18,886.7	350.00	-5,666.02	-10,500.00	-4,833.98	-85.32%	0.00	0.00%	-0.01%	-0.01%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
CENTENE CORP CUSIP: 15135B101 Symbol: CNC Initial purchase date: Mar 25, 2019	4,732.00	66.76	61.65	315,908.32	291,727.80	-24,180.52	-7.65%	0.00	0.00%	0.37%	0.25%
CHEVRON CORP CUSIP: 166764100 Symbol: CVX Initial purchase date: Feb 12, 2009	8,710.00	79.26	87.18	690,314.19	759,337.80	69,023.61	10.00%	44,943.60	5.92%	0.97%	0.64%
CIGNA CORP CUSIP: 125523100 Symbol: CI Initial purchase date: Jun 07, 2011	394.00	182.19	209.14	71,780.89	82,401.16	10,620.27	14.80%	15.76	0.02%	0.11%	0.07%
COMCAST CORP NEW CL A CUSIP: 20030N101 Symbol: CMCSA Initial purchase date: Oct 09, 2019	10,600.00	38.43	50.24	407,316.21	532,544.00	125,227.79	30.74%	9,752.00	1.83%	0.68%	0.45%
DUKE ENERGY CORP NEW CUSIP: 26441C204 Symbol: DUK Initial purchase date: Apr 09, 2009	3,041.00	40.54	92.66	123,267.64	281,779.06	158,511.42	128.59%	11,738.26	4.17%	0.36%	0.24%
GENL DYNAMICS CORP CUSIP: 369550108 Symbol: GD Initial purchase date: Jan 13, 2000	5,200.00	26.43	149.35	137,455.71	776,620.00	639,164.29	465.00%	22,880.00	2.95%	0.99%	0.66%
GENL MILLS INC CUSIP: 370334104 Symbol: GIS Initial purchase date: Jun 10, 2010	4,000.00	38.13	60.82	152,506.12	243,280.00	90,773.88	59.52%	8,160.00	3.35%	0.31%	0.21%
GILEAD SCIENCES INC CUSIP: 375558103 Symbol: GILD Initial purchase date: Dec 16, 2008	14,000.00	22.05	60.67	308,721.43	849,380.00	540,658.57	175.13%	38,080.00	4.48%	1.08%	0.72%
JPMORGAN CHASE & CO CUSIP: 46625H100 Symbol: JPM Initial purchase date: Aug 14, 1997	2,000.00	37.85	117.88	75,704.64	235,760.00	160,055.36	211.42%	7,200.00	3.05%	0.30%	0.20%
MERCK & CO INC NEW COM CUSIP: 58933Y105 Symbol: MRK Initial purchase date: Oct 09, 2019	1,470.00	85.01	80.39	124,962.07	118,173.30	-6,788.77	-5.43%	3,822.00	3.23%	0.15%	0.10%
MFS VALUE FUND CLASS A CUSIP: 552983801 Symbol: MEIAX Initial purchase date: Oct 11, 2017 Client investment: \$3,950,015.75 Reinvested dividends: \$387,304.84 Investment return: \$822,115.69 (20.81%)	107,991.21	40.16	44.19	4,337,320.59	4,772,131.44	434,810.85	10.02%	69,573.34	1.46%	6.09%	4.00%
ORACLE CORP CUSIP: 68389X105 Symbol: ORCL Initial purchase date: Feb 10, 2005	5,000.00	13.18	57.72	65,886.08	288,600.00	222,713.92	338.03%	4,800.00	1.66%	0.37%	0.24%
PFIZER INC CUSIP: 717081103 Symbol: PFE Initial purchase date: Jun 16, 2008	10,000.00	2.20	38.31	22,027.35	383,100.00	361,072.65	1,639.20%	15,200.00	3.97%	0.49%	0.32%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
RAYTHEON TECHNOLOGIES CORP CUSIP: 75513E101 Symbol: RTX Initial purchase date: Oct 09, 2019	930.00	73.66	71.72	68,506.86	66,699.60	-1,807.26	-2.64%	1,767.00	2.65%	0.09%	0.06%
Total Value				\$7,734,887.16	\$10,950,972.16	\$3,216,085.00	41.58%	\$279,541.39	2.55%	13.98%	9.24%
Public Real Estate											
AMERICAN TOWER CORP REIT CUSIP: 03027X100 Symbol: AMT Initial purchase date: Apr 13, 2012	1,000.00	63.62	231.20	63,618.17	231,200.00	167,581.83	263.42%	4,330.00	1.87%	0.30%	0.20%
Total Public Real Estate				\$63,618.17	\$231,200.00	\$167,581.83	263.42%	\$4,330.00	1.87%	0.30%	0.20%
Other											
VIATRIS INC CUSIP: 92556V106 Symbol: VTRS Initial purchase date: Jun 16, 2008	1,240.00	0.98	16.82	1,214.08	20,856.80	19,642.72	1,617.91%	0.00	0.00%	0.03%	0.02%
Total Other				\$1,214.08	\$20,856.80	\$19,642.72	1,617.91%	\$0.00	0.00%	0.03%	0.02%
Total Large Cap				\$16,319,510.34	\$39,868,661.71	\$23,549,151.37	144.30%	\$515,491.47	1.29%	50.89%	33.65%
Mid Cap											
Core											
AECOM CUSIP: 00766T100 Symbol: ACM Initial purchase date: Feb 05, 2010	2,900.00	25.19	51.89	73,045.33	150,481.00	77,435.67	106.01%	0.00	0.00%	0.19%	0.13%
AMETEK INC (NEW) CUSIP: 031100100 Symbol: AME Initial purchase date: Mar 06, 2017	2,500.00	55.08	118.53	137,689.36	296,325.00	158,635.64	115.21%	1,800.00	0.61%	0.38%	0.25%
CALL AECOM DUE 03/19/21 55.000 2048J1 CUSIP: 99UBBTP37 Symbol: ACM Initial purchase date: Nov 11, 2020	-9.00	13,520.2	279.00	-1,216.82	-2,511.00	-1,294.18	-106.36%	0.00	0.00%	0.00%	0.00%
CALL CONAGRA BRANDS, INC DUE 12/18/20 41.000 101290 CUSIP: 99UBB0HH8 Symbol: CAG Initial purchase date: Jul 21, 2020	-10.00	9,653.30	10.00	-965.33	-100.00	865.33	89.64%	0.00	0.00%	0.00%	0.00%
CALL IDEX CORP DUE 04/16/21 200.000 223085 CUSIP: 99UBBV115 Symbol: IEX Initial purchase date: Nov 11, 2020	-10.00	99,961.4	950.00	-9,996.14	-9,500.00	496.14	4.96%	0.00	0.00%	-0.01%	-0.01%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
CALL YUM! BRANDS INC DUE 12/18/20 105.000 5175J8 CUSIP: 99UBB00P2 Symbol: YUM Initial purchase date: Jul 21, 2020	-20.00	21,240.2	280.00	-4,248.05	-5,600.00	-1,351.95	-31.83%	0.00	0.00%	-0.01%	0.00%
CARMAX INC CUSIP: 143130102 Symbol: KMX Initial purchase date: Jun 12, 2014	5,000.00	44.47	93.48	222,371.77	467,400.00	245,028.23	110.19%	0.00	0.00%	0.60%	0.39%
CARRIER GLOBAL CORP CUSIP: 14448C104 Symbol: CARR Initial purchase date: Oct 09, 2019	930.00	24.96	38.07	23,215.22	35,405.10	12,189.88	52.51%	297.60	0.84%	0.05%	0.03%
CONAGRA BRANDS, INC. CUSIP: 205887102 Symbol: CAG Initial purchase date: Oct 09, 2019	3,000.00	28.43	36.56	85,290.85	109,680.00	24,389.15	28.60%	3,300.00	3.01%	0.14%	0.09%
D R HORTON INC CUSIP: 23331A109 Symbol: DHI Initial purchase date: Jan 09, 2019	7,000.00	40.09	74.50	280,621.20	521,500.00	240,878.80	85.84%	5,600.00	1.07%	0.67%	0.44%
F5 NETWORKS INC CUSIP: 315616102 Symbol: FFIV Initial purchase date: Mar 02, 2015	5,800.00	118.85	162.81	689,354.72	944,298.00	254,943.28	36.98%	0.00	0.00%	1.21%	0.80%
FASTENAL CO CUSIP: 311900104 Symbol: FAST Initial purchase date: May 21, 2018	29,000.00	14.12	49.45	409,589.42	1,434,050.00	1,024,460.58	250.12%	29,000.00	2.02%	1.83%	1.21%
GENTEX CORP CUSIP: 371901109 Symbol: GNTX Initial purchase date: Mar 02, 2015	5,000.00	17.82	32.60	89,080.35	163,000.00	73,919.65	82.98%	2,400.00	1.47%	0.21%	0.14%
IDEX CORP CUSIP: 45167R104 Symbol: IEX Initial purchase date: Aug 11, 2004	2,000.00	20.50	193.15	41,001.00	386,300.00	345,299.00	842.17%	4,000.00	1.04%	0.49%	0.33%
LKQ CORP NEW CUSIP: 501889208 Symbol: LKQ Initial purchase date: Dec 10, 2009	4,000.00	9.25	35.22	36,990.75	140,880.00	103,889.25	280.85%	0.00	0.00%	0.18%	0.12%
OTIS WORLDWIDE CORP CUSIP: 68902V107 Symbol: OTIS Initial purchase date: Oct 09, 2019	465.00	69.81	66.94	32,462.90	31,127.10	-1,335.80	-4.11%	372.00	1.20%	0.04%	0.03%
PUT TRACTOR SUPPLY COMP DUE 01/15/21 95.000 4608B6 CUSIP: 99UBBHQU2 Symbol: TSCO Initial purchase date: Aug 12, 2020	-10.00	10,635.2	35.00	-1,063.52	-350.00	713.52	67.09%	0.00	0.00%	0.00%	0.00%
SKYWORKS SOLUTIONS INC CUSIP: 83088M102 Symbol: SWKS Initial purchase date: Feb 26, 2019	4,000.00	83.16	141.17	332,628.80	564,680.00	232,051.20	69.76%	8,000.00	1.42%	0.72%	0.48%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
TRACTOR SUPPLY COMPANY CUSIP: 892356106 Symbol: TSCO Initial purchase date: Dec 10, 2008	12,000.00	9.47	140.81	113,653.50	1,689,720.00	1,576,066.50	1,386.73%	19,200.00	1.14%	2.16%	1.41%
ULTA BEAUTY, INC CUSIP: 90384S303 Symbol: ULTA Initial purchase date: Jan 09, 2019	1,000.00	283.02	275.40	283,023.95	275,400.00	-7,623.95	-2.69%	0.00	0.00%	0.35%	0.23%
VF CORP CUSIP: 918204108 Symbol: VFC Initial purchase date: Oct 09, 2019	1,400.00	89.32	83.40	125,044.79	116,760.00	-8,284.79	-6.63%	2,744.00	2.35%	0.15%	0.10%
WATSCO INC CUSIP: 942622200 Symbol: WSO Initial purchase date: Apr 15, 2010	1,000.00	61.20	227.36	61,202.82	227,360.00	166,157.18	271.49%	7,100.00	3.12%	0.29%	0.19%
YUM! BRANDS INC CUSIP: 988498101 Symbol: YUM Initial purchase date: Sep 09, 2004	7,080.00	14.73	105.80	104,276.56	749,064.00	644,787.44	618.34%	13,310.40	1.78%	0.96%	0.63%
Total Core				\$3,123,053.43	\$8,285,369.20	\$5,162,315.77	165.30%	\$97,124.00	1.17%	10.58%	6.99%
Growth											
COGNEX CORP CUSIP: 192422103 Symbol: CGNX Initial purchase date: Jun 07, 2011	8,000.00	8.42	75.14	67,345.65	601,120.00	533,774.35	792.59%	1,920.00	0.32%	0.77%	0.51%
OLD DOMINION FREIGHT LINES INC CUSIP: 679580100 Symbol: ODFL Initial purchase date: Jan 09, 2019	3,150.00	86.10	203.36	271,215.60	640,584.00	369,368.40	136.19%	1,890.00	0.30%	0.82%	0.54%
PALO ALTO NETWORKS INC CUSIP: 697435105 Symbol: PANW Initial purchase date: Feb 12, 2015	1,250.00	134.89	293.92	168,607.43	367,400.00	198,792.57	117.90%	0.00	0.00%	0.47%	0.31%
Total Growth				\$507,168.68	\$1,609,104.00	\$1,101,935.32	217.27%	\$3,810.00	0.24%	2.05%	1.36%
Value											
CALL HARTFORD FINCL SERV DUE 01/15/21 70.000 1988E4 CUSIP: 99UBBAGZ7 Symbol: HIG Initial purchase date: Oct 09, 2019	-10.00	19,473.1	10.00	-1,947.31	-100.00	1,847.31	94.86%	0.00	0.00%	0.00%	0.00%
CALL ONEOK INC NEW DUE 01/15/21 42.500 3496G4 CUSIP: 99UBB0N65 Symbol: OKE Initial purchase date: Jul 21, 2020	-20.00	8,945.55	69.00	-1,789.11	-1,380.00	409.11	22.87%	0.00	0.00%	0.00%	0.00%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
CALL SMUCKER J M CO NEW DUE 01/15/21 130.000 4258Y5 CUSIP: 99UBBC569 Symbol: SJM Initial purchase date: Feb 14, 2020	-10.00	15,643.3	40.00	-1,564.33	-400.00	1,164.33	74.43%	0.00	0.00%	0.00%	0.00%
GENUINE PARTS CO CUSIP: 372460105 Symbol: GPC Initial purchase date: Apr 13, 2012	3,000.00	63.29	98.37	189,860.40	295,110.00	105,249.60	55.44%	9,480.00	3.21%	0.38%	0.25%
HARTFORD FINCL SERVICES GROUP INC CUSIP: 416515104 Symbol: HIG Initial purchase date: Jan 13, 2005	4,000.00	67.53	44.20	270,129.76	176,800.00	-93,329.76	-34.55%	5,200.00	2.94%	0.23%	0.15%
ONEOK INC NEW CUSIP: 682680103 Symbol: OKE Initial purchase date: May 14, 2009	14,000.00	14.25	35.87	199,490.58	502,180.00	302,689.42	151.73%	52,360.00	10.43%	0.64%	0.42%
SMUCKER J M CO NEW CUSIP: 832696405 Symbol: SJM Initial purchase date: Jan 14, 2010	3,000.00	62.32	117.20	186,962.73	351,600.00	164,637.27	88.06%	10,800.00	3.07%	0.45%	0.30%
VANGUARD MID-CAP VALUE ETF CUSIP: 922908512 Symbol: VOE Initial purchase date: Dec 12, 2019	7,580.00	118.87	115.55	901,026.53	875,869.00	-25,157.53	-2.79%	22,032.03	2.52%	1.12%	0.74%
Total Value				\$1,742,169.25	\$2,199,679.00	\$457,509.75	26.26%	\$99,872.03	4.54%	2.81%	1.86%
Public Real Estate											
REALTY INCOME CORP MD SBI CUSIP: 756109104 Symbol: O Initial purchase date: May 26, 2015	5,000.00	47.19	59.97	235,951.92	299,850.00	63,898.08	27.08%	14,040.00	4.68%	0.38%	0.25%
Total Public Real Estate				\$235,951.92	\$299,850.00	\$63,898.08	27.08%	\$14,040.00	4.68%	0.38%	0.25%
Total Mid Cap				\$5,608,343.28	\$12,394,002.20	\$6,785,658.92	120.99%	\$214,846.03	1.73%	15.82%	10.46%
Small Cap											
Core											
EAST WEST BANCORP INC CUSIP: 27579R104 Symbol: EWBC Initial purchase date: Jan 09, 2019	5,500.00	47.90	42.72	263,460.51	234,960.00	-28,500.51	-10.82%	6,050.00	2.57%	0.30%	0.20%
ISHARES RUSSELL 2000 ETF CUSIP: 464287655 Symbol: IWM Initial purchase date: Jun 13, 2014 Client investment: \$999,013.13 Reinvested dividends: \$62,057.32 Investment return: \$597,402.25 (59.8%)	8,819.00	120.32	181.02	1,061,070.45	1,596,415.38	535,344.93	50.45%	18,074.04	1.13%	2.04%	1.35%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
META FINANCIAL GROUP INC CUSIP: 59100U108 Symbol: CASH Initial purchase date: Feb 19, 2019	5,000.00	25.65	33.10	128,234.81	165,500.00	37,265.19	29.06%	1,000.00	0.60%	0.21%	0.14%
PATRICK INDUST INC CUSIP: 703343103 Symbol: PATK Initial purchase date: Jan 09, 2019	8,000.00	35.72	63.04	285,733.51	504,320.00	218,586.49	76.50%	8,960.00	1.78%	0.64%	0.43%
SUPERNUS PHARMACEUTICALS INC CUSIP: 868459108 Symbol: SUPN Initial purchase date: Jan 09, 2019	7,500.00	36.70	21.30	275,240.06	159,750.00	-115,490.06	-41.96%	0.00	0.00%	0.20%	0.13%
Total Core				\$2,013,739.34	\$2,660,945.38	\$647,206.04	32.14%	\$34,084.04	1.28%	3.40%	2.25%
Growth											
VIRTUS KAR SMALL-CAP GROWTH FUND CLASS A CUSIP: 92828N627 Symbol: PSGAX Initial purchase date: Feb 08, 2017 Client investment: \$1,260,010.50 Reinvested dividends: \$79,929.95 Investment return: \$2,161,196.72 (171.52%)	62,843.63	21.32	54.44	1,339,940.45	3,421,207.21	2,081,266.77	155.33%	0.00	0.00%	4.37%	2.88%
Total Growth				\$1,339,940.45	\$3,421,207.21	\$2,081,266.76	155.33%	\$0.00	0.00%	4.37%	2.88%
Value											
KAR AUCTION SVCS INC CUSIP: 48238T109 Symbol: KAR Initial purchase date: Nov 30, 2015	5,000.00	14.97	18.05	74,834.68	90,250.00	15,415.32	20.60%	0.00	0.00%	0.12%	0.08%
MFS NEW DISCOVERY VALUE FUND CLASS A CUSIP: 55278M100 Symbol: NDVAX Initial purchase date: Oct 11, 2017 Client investment: \$1,264,187.35 Reinvested dividends: \$224,095.64 Investment return: \$230,843.45 (18.26%)	96,515.87	15.42	15.49	1,488,282.99	1,495,030.80	6,747.81	0.45%	8,910.34	0.60%	1.91%	1.26%
SIGNATURE BANK NEW YORK N Y CUSIP: 82669G104 Symbol: SBNY Initial purchase date: Jan 09, 2019	2,500.00	111.91	112.19	279,777.82	280,475.00	697.18	0.25%	5,600.00	2.00%	0.36%	0.24%
TCF FINL CORP NEW CUSIP: 872307103 Symbol: TCF Initial purchase date: Feb 26, 2019	5,000.00	46.90	33.60	234,491.90	168,000.00	-66,491.90	-28.36%	7,000.00	4.17%	0.21%	0.14%
Total Value				\$2,077,387.39	\$2,033,755.80	\$-43,631.59	-2.10%	\$21,510.34	1.06%	2.60%	1.72%
Total Small Cap				\$5,431,067.18	\$8,115,908.39	\$2,684,841.21	49.43%	\$55,594.38	0.69%	10.37%	6.85%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Convertibles											
Convertibles											
ESCROW GENERAL MTRS CORP 6.250% SER C DUE 07/15/33 CALLBL CONV CUSIP: 37OESC717 Initial purchase date: Jul 10, 2003	20,000.00	24.84	0.00	496,763.00	0.00	-496,763.00	-100.00%	0.00	0.00%	0.00%	0.00%
Total Convertibles				\$496,763.00	\$0.00	-\$496,763.00	-100.00%	\$0.00	0.00%	0.00%	0.00%
Total Convertibles				\$496,763.00	\$0.00	-\$496,763.00	-100.00%	\$0.00	0.00%	0.00%	0.00%
Total US				\$27,862,583.80	\$60,382,112.30	\$32,519,528.50	116.71%	\$785,931.88	1.30%	77.08%	50.96%
Global											
Global											
Core											
AMER FUNDS CAPITAL WORLD GROWTH & INCOME FUND CL A CUSIP: 140543109 Symbol: CWGIX Initial purchase date: Nov 12, 2010 Client investment: \$670,980.25 Reinvested dividends: \$384,354.01 Investment return: \$900,360.52 (134.19%)	27,635.26	38.19	56.86	1,055,334.26	1,571,340.77	516,006.51	48.90%	20,173.74	1.28%	2.01%	1.33%
COLUMBIA SELIGMAN COMMUNICATION AND INFORMATION FUND A CUSIP: 19766H429 Symbol: SLMCX Initial purchase date: Oct 19, 2001 Client investment: \$165,000.00 Reinvested dividends: \$2,912,438.45 Investment return: \$5,810,953.08 (3521.79%)	56,228.39	54.73	106.28	3,077,438.45	5,975,953.08	2,898,514.63	94.19%	0.00	0.00%	7.63%	5.04%
Total Core				\$4,132,772.71	\$7,547,293.85	\$3,414,521.14	82.62%	\$20,173.74	0.27%	9.64%	6.37%
Total Global				\$4,132,772.71	\$7,547,293.85	\$3,414,521.14	82.62%	\$20,173.74	0.27%	9.64%	6.37%
Total Global				\$4,132,772.71	\$7,547,293.85	\$3,414,521.14	82.62%	\$20,173.74	0.27%	9.64%	6.37%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
International											
International											
Core											
FABRINET CUSIP: G3323L100 Symbol: FN Initial purchase date: Mar 30, 2011	4,000.00	21.23	68.31	84,933.90	273,240.00	188,306.10	221.71%	0.00	0.00%	0.35%	0.23%
Total Core				\$84,933.90	\$273,240.00	\$188,306.10	221.71%	\$0.00	0.00%	0.35%	0.23%
Total International				\$84,933.90	\$273,240.00	\$188,306.10	221.71%	\$0.00	0.00%	0.35%	0.23%
Developed Markets											
Core											
CHUBB LTD CHF CUSIP: H1467J104 Symbol: CB Initial purchase date: Apr 13, 2016	1,000.00	121.66	147.83	121,658.43	147,830.00	26,171.57	21.51%	3,120.00	2.11%	0.19%	0.12%
DIAGEO PLC NEW GB SPON ADR CUSIP: 25243Q205 Symbol: DEO Initial purchase date: Feb 11, 2010	1,000.00	64.02	154.95	64,017.37	154,950.00	90,932.63	142.04%	3,534.92	2.28%	0.20%	0.13%
MEDTRONIC PLC CUSIP: G5960L103 Symbol: MDT Initial purchase date: Oct 09, 2019	1,165.00	107.77	113.70	125,550.50	132,460.50	6,910.00	5.50%	2,702.80	2.04%	0.17%	0.11%
SENSATA TECHNOLOGIES HLDG PLC EUR CUSIP: G8060N102 Symbol: ST Initial purchase date: May 29, 2019	5,000.00	43.80	48.83	219,001.25	244,150.00	25,148.75	11.48%	0.00	0.00%	0.31%	0.21%
Total Core				\$530,227.55	\$679,390.50	\$149,162.95	28.13%	\$9,357.72	1.38%	0.87%	0.57%
Growth											
CALL LINDE PLC EUR DUE 04/16/21 280.000 2621Y8 CUSIP: 99UBBV7M0 Symbol: LIN Initial purchase date: Nov 11, 2020	-10.00	84,481.6	655.00	-8,448.16	-6,550.00	1,898.16	22.47%	0.00	0.00%	-0.01%	-0.01%
CLEARBRIDGE INTERNATIONAL GROWTH FUND CLASS I CUSIP: 524686524 Symbol: LMGNX Initial purchase date: Aug 12, 2020	61,736.91	58.59	64.03	3,616,886.15	3,953,014.22	336,128.07	9.29%	10,597.88	0.27%	5.05%	3.34%
LINDE PLC EUR CUSIP: G5494J103 Symbol: LIN Initial purchase date: Sep 09, 2004	4,000.00	163.46	256.42	653,820.00	1,025,680.00	371,860.00	56.87%	15,408.00	1.50%	1.31%	0.87%
Total Growth				\$4,262,257.99	\$4,972,144.22	\$709,886.23	16.66%	\$26,005.88	0.52%	6.34%	4.20%

Value



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
International											
Value											
CALL RIO TINTO PLC SPON DUE 04/16/21 67.500 4005C0 CUSIP: 99UBBWPH9 Symbol: RIO Initial purchase date: Nov 11, 2020	-10.00	22,713.6	320.00	-2,271.36	-3,200.00	-928.64	-40.88%	0.00	0.00%	0.00%	0.00%
RIO TINTO PLC SPON ADR CUSIP: 767204100 Symbol: RIO Initial purchase date: Sep 10, 2009	5,000.00	42.96	64.97	214,799.21	324,850.00	110,050.79	51.23%	19,300.00	5.94%	0.41%	0.27%
Total Value				\$212,527.85	\$321,650.00	\$109,122.15	51.34%	\$19,300.00	6.00%	0.41%	0.27%
Total Developed Markets				\$5,005,013.39	\$5,973,184.72	\$968,171.33	19.34%	\$54,663.60	0.92%	7.62%	5.04%
Emerging Markets											
Growth											
AMER FUNDS NEW WORLD FUND CLASS F2 CUSIP: 649280823 Symbol: NFFFX Initial purchase date: Feb 13, 2020	11,692.50	71.92	82.60	840,875.15	965,800.09	124,924.94	14.86%	11,014.33	1.14%	1.23%	0.82%
AMERICAN FUNDS NEW WORLD FUND CL A CUSIP: 649280104 Symbol: NEWFX Initial purchase date: Nov 12, 2015 Client investment: \$1,750,021.00 Reinvested dividends: \$188,857.74 Investment return: \$1,188,558.53 (67.92%)	35,550.20	54.54	82.66	1,938,878.74	2,938,579.53	999,700.79	51.56%	26,214.72	0.89%	3.75%	2.47%
Total Growth				\$2,779,753.89	\$3,904,379.62	\$1,124,625.73	40.46%	\$37,229.05	0.95%	4.98%	3.29%
Other											
SAMSUNG ELECTRS LTD GDR (EACH REP 25 COM STK KRW100) REG.S *GB LINE* CUSIP: 7960509A2 Initial purchase date: Jun 13, 2014	170.00	659.22	1,506.94	112,067.61	256,179.12	144,111.51	128.59%	0.00	0.00%	0.33%	0.22%
Total Other				\$112,067.61	\$256,179.12	\$144,111.51	128.59%	\$0.00	0.00%	0.33%	0.22%
Total Emerging Markets				\$2,891,821.50	\$4,160,558.74	\$1,268,737.24	43.87%	\$37,229.05	0.89%	5.31%	3.51%
Total International				\$7,981,768.79	\$10,406,983.46	\$2,425,214.67	30.38%	\$91,892.65	0.88%	13.28%	8.78%
Total Equity				\$39,977,125.30	\$78,336,389.61	\$38,359,264.31	95.95%	\$897,998.27	1.15%	100.00%	66.11%



Portfolio holdings - as of November 30, 2020 (continued)

	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of asset class	% of Portfolio
Total Portfolio	\$79,062,119.15	\$118,490,764.40	\$39,428,645.25	49.87%	\$1,792,919.28	1.51%	100%	100%

Total accrued interest (included in market values): \$1,296.34

* Balanced mutual funds are displayed in unbundled view



Additional information about your portfolio

as of November 30, 2020

Benchmark composition

Consolidated

Blended Index

Start - Current: 30% Barclays Govt/Credit Int; 70% MSCI AC World IMI - GR



Disclosures applicable to accounts at UBS Financial Services Inc.

This section contains important disclosures regarding the information and valuations presented here. All information presented is subject to change at any time and is provided only as of the date indicated. The information in this report is for informational purposes only and should not be relied upon as the basis of an investment or liquidation decision. UBS FS account statements and official tax documents are the only official record of your accounts and are not replaced, amended or superseded by any of the information presented in these reports. You should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise.

UBS FS offers a number of investment advisory programs to clients, acting in our capacity as an investment adviser, including fee-based financial planning, discretionary account management, non-discretionary investment advisory programs, and advice on the selection of investment managers and mutual funds offered through our investment advisory programs. When we act as your investment adviser, we will have a written agreement with you expressly acknowledging our investment advisory relationship with you and describing our obligations to you. At the beginning of our advisory relationship, we will give you our Form ADV brochure(s) for the program(s) you selected that provides detailed information about, among other things, the advisory services we provide, our fees, our personnel, our other business activities and financial industry affiliations and conflicts between our interests and your interests.

In our attempt to provide you with the highest quality information available, we have compiled this report using data obtained from recognized statistical sources and authorities in the financial industry. While we believe this information to be reliable, we cannot make any representations regarding its accuracy or completeness. Please keep this guide as your Advisory Review.

Please keep in mind that most investment objectives are long term. Although it is important to evaluate your portfolio's performance over multiple time periods, we believe the greatest emphasis should be placed on the longer period returns.

Please review the report content carefully and contact your Financial Advisor with any questions.

Client Accounts: This report may include all assets in the accounts listed and may include eligible and ineligible assets in a fee-based program. Since ineligible assets are not considered fee-based program assets, the inclusion of such securities will distort the actual performance of your accounts and does not reflect the performance of your accounts in the fee-based program. As a result, the performance reflected in this report can

vary substantially from the individual account performance reflected in the performance reports provided to you as part of those programs. For fee-based programs, fees are charged on the market value of eligible assets in the accounts and assessed quarterly in advance, prorated according to the number of calendar days in the billing period. When shown on a report, the risk profile and return objectives describe your overall goals for these accounts. For each account you maintain, you choose one return objective and a primary risk profile. If you have questions regarding these objectives or wish to change them, please contact your Financial Advisor to update your account records.

Performance: This report presents account activity and performance depending on which inception type you've chosen. The two options are: (1) All Assets (Since Performance Start): This presents performance for all assets since the earliest possible date; (2) Advisory Assets (Advisory Strategy Start) for individual advisory accounts: This presents Advisory level performance since the Latest Strategy Start date; If an account that has never been managed is included in the consolidated report, the total performance of that unmanaged account will be included since inception.

Time-weighted Returns for accounts / SWP/AAP sleeves (Monthly periods): The report displays a time weighted rate of return (TWR) that is calculated using the Modified Dietz Method. This calculation uses the beginning and ending portfolio values for the month and weights each contribution/withdrawal based upon the day the cash flow occurred. Periods greater than one month are calculated by linking the monthly returns. The TWR gives equal weighting to every return regardless of amount of money invested, so it is an effective measure for returns on a fee based account. All periods shown which are greater than 12 months are annualized. This applies to all performance for all assets before 09/30/2010, Advisory assets before 12/31/2010 and SWP sleeves before 04/30/2018.

Time-weighted Returns for accounts / SWP/AAP sleeves (Daily periods): The report displays a time weighted rate of return (TWR) that is calculated by dividing the portfolio's daily gain/loss by the previous day's closing market value plus the net value of cash flows that occurred during the day, if it was positive. The TWR gives equal weighting to every return regardless of amount of money invested, so it is an effective measure for returns on a fee based account. Periods greater than one day are calculated by linking the daily returns. All periods shown which are greater than 12 months are annualized. For reports generated prior to 01/26/2018, the performance calculations used the account's end of day value on the performance inception (listed in the report under the column "ITD") and all cash flows were posted at end of day. As a result of the change, the overall rate of return (TWR) and beginning market value displayed can vary from prior generated reports. This

applies to all performance for all assets on or after 09/30/2010, Advisory assets on or after 12/31/2010, SWP/AAP sleeves on or after 04/30/2018 as well as all Asset Class and Security level returns.

Money-weighted returns: Money-weighted return (MWR) is a measure of the rate of return for an asset or portfolio of assets. It is calculated by finding the daily Internal Rate of Return (IRR) for the period and then compounding this return by the number of days in the period being measured. The MWR incorporates the size and timing of cash flows, so it is an effective measure of returns on a portfolio.

Annualized Performance: All performance periods greater than one year are calculated (unless otherwise stated) on an annualized basis, which represents the return on an investment multiplied or divided to give a comparable one year return.

Cumulative Performance: A cumulative return is the aggregate amount that an investment has gained or lost over time, independent of the period of time involved.

Net of Fees and Gross of Fees Performance: Performance is presented on a "net of fees" and "gross of fees" basis, where indicated. Net returns do not reflect Program and wrap fees prior to 10/31/10 for accounts that are billed separately via invoice through a separate account billing arrangement. Gross returns do not reflect the deduction of fees, commissions or other charges. The payment of actual fees and expenses will reduce a client's return. The compound effect of such fees and expenses should be considered when reviewing returns. For example, the net effect of the deduction of fees on annualized performance, including the compounded effect over time, is determined by the relative size of the fee and the account's investment performance. It should also be noted that where gross returns are compared to an index, the index performance also does not reflect any transaction costs, which would lower the performance results. Market index data maybe subject to review and revision.

Benchmark/Major Indices: The past performance of an index is not a guarantee of future results. Any benchmark is shown for informational purposes only and relates to historical performance of market indices and not the performance of actual investments. Although most portfolios use indices as benchmarks, portfolios are actively managed and generally are not restricted to investing only in securities in the index. As a result, your portfolio holdings and performance may vary substantially from the index. Each index reflects an unmanaged universe of securities without any deduction for advisory fees or other expenses that would reduce actual returns, as well as the reinvestment of all income and dividends. An actual investment in the securities included in the index would require an investor to incur transaction costs, which would lower the performance

results. Indices are not actively managed and investors cannot invest directly in the indices. Market index data maybe subject to review and revision. Further, there is no guarantee that an investor's account will meet or exceed the stated benchmark. Index performance information has been obtained from third parties deemed to be reliable. We have not independently verified this information, nor do we make any representations or warranties to the accuracy or completeness of this information.

Blended Index - For Advisory accounts, Blended Index is designed to reflect the asset categories in which your account is invested. For Brokerage accounts, you have the option to select any benchmark from the list.

For certain products, the blended index represents the investment style corresponding to your client target allocation. If you change your client target allocation, your blended index will change in step with your change to your client target allocation.

Blended Index 2 - 8 - are optional indices selected by you which may consist of a blend of indexes. For advisory accounts, these indices are for informational purposes only. Depending on the selection, the benchmark selected may not be an appropriate basis for comparison of your portfolio based on its holdings.

Custom Time Periods: If represented on this report, the performance start date and the performance end date have been selected by your Financial Advisor in order to provide performance and account activity information for your account for the specified period of time only. As a result, only a portion of your account's activity and performance information is presented in the performance report, and, therefore, presents a distorted representation of your account's activity and performance.

Net Deposits/Withdrawals: When shown on a report, this information represents the net value of all cash and securities contributions and withdrawals, program fees (including wrap fees) and other fees added to or subtracted from your accounts from the first day to the last day of the period. When fees are shown separately, net deposits / withdrawals does not include program fees (including wrap fees). When investment return is displayed net deposits / withdrawals does not include program fees (including wrap fees). For security contributions and withdrawals, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts. Wrap fees will be included in this calculation except when paid via an invoice or through a separate accounts billing arrangement. When shown on Client summary and/or Portfolio review report, program fees (including wrap fees) may not be included in net deposits/withdrawals. PACE Program fees paid from sources other than your PACE account are treated as a contribution. A PACE



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

Program Fee rebate that is not reinvested is treated as a withdrawal.

Deposits: When shown on a report, this information represents the net value of all cash and securities contributions added to your accounts from the first day to the last day of the period. On Client Summary Report and/or Portfolio Review Report, this may exclude the Opening balance. For security contributions, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts.

Withdrawals: When shown on a report, this information represents the net value of all cash and securities withdrawals subtracted from your accounts from the first day to the last day of the period. On Client summary and/or portfolio review report Withdrawals may not include program fees (including wrap fees). For security withdrawals, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts.

Dividends/Interest: Dividend and interest earned, when shown on a report, does not reflect your account's tax status or reporting requirements. Use only official tax reporting documents (i.e. 1099) for tax reporting purposes. The classification of private investment distributions can only be determined by referring to the official year-end tax-reporting document provided by the issuer.

Change in Accrued Interest: When shown on a report, this information represents the difference between the accrued interest at the beginning of the period from the accrued interest at the end of the period.

Change in Value: Represents the change in value of the portfolio during the reporting period, excluding additions/withdrawals, dividend and interest income earned and accrued interest. Change in Value may include program fees (including wrap fees) and other fees.

Fees: Fees represented in this report include program and wrap fees. Program and wrap fees prior to October 1, 2010 for accounts that are billed separately via invoice through a separate account billing arrangement are not included in this report.

Beta: A measure of sensitivity of a portfolio of equities in relation to market movements. Beta measures the covariance of a portfolio in relation to the rest of the stock market as measured by a benchmark index. A portfolio with a higher beta would be expected to rise and fall further than the market. A portfolio with a low beta (less than 1) indicates that it would be expected to rise and fall less than the market.

Performance Start Date Changes: The Performance Start Date for accounts marked with a '^' have changed.

Performance figures of an account with a changed Performance Start Date may not include the entire history of the account. The new Performance Start Date will generate performance returns and activity information for a shorter period than is available at UBS FS. As a result, the overall performance of these accounts may generate better performance than the period of time that would be included if the report used the inception date of the account. UBS FS recommends reviewing performance reports that use the inception date of the account because reports with longer time frames are usually more helpful when evaluating investment programs and strategies. Performance reports may include accounts with inception dates that precede the new Performance Start Date and will show performance and activity information from the earliest available inception date.

The change in Performance Start Date may be the result of a performance gap due to a zero-balance that prevents the calculation of continuous returns from the inception of the account. The Performance Start Date may also change if an account has failed one of our performance data integrity tests. In such instances, the account will be labeled as 'Review Required' and performance prior to that failure will be restricted. Finally, the Performance Start Date will change if you have explicitly requested a performance restart. Please contact your Financial Advisor for additional details regarding your new Performance Start Date.

Closed Account Performance: Accounts that have been closed may be included in the consolidated performance report. When closed accounts are included in the consolidated report, the performance report will only include information for the time period the account was active during the consolidated performance reporting time period.

Portfolio: For purposes of this report "portfolio" is defined as all of the accounts presented on the cover page or the header of this report and does not necessarily include all of the client's accounts held at UBS FS or elsewhere.

Percentage: Portfolio (in the "% Portfolio / Total" column) includes all holdings held in the account(s) selected when this report was generated. Broad asset class (in the "% broad asset class" column) includes all holdings held in that broad asset class in the account(s) selected when this report was generated.

Tax lots: This report displays security tax lots as either one line item (i.e., lumped tax lots) or as separate tax lot level information. If you choose to display security tax lots as one line item, the total cost equals the total value of all tax lots. The unit cost is an average of the total cost divided by the total number of shares. If the shares were purchased in different lots, the unit price listed does not represent the actual cost paid for each lot. The unrealized gain/loss value is calculated by combining the

total value of all tax lots plus or minus the total market value of the security.

If you choose to display tax lot level information as separate line items on the Portfolio Holdings report, the tax lot information may include information from sources other than UBS FS. The Firm does not independently verify or guarantee the accuracy or validity of any information provided by sources other than UBS FS. As a result this information may not be accurate and is provided for informational purposes only. Clients should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise. See your monthly statement for additional information.

Pricing: All securities are priced using the closing price reported on the last business day preceding the date of this report. Every reasonable attempt has been made to accurately price securities; however, we make no warranty with respect to any security's price. Please refer to the back of the first page of your UBS FS account statement for important information regarding the pricing used for certain types of securities, the sources of pricing data and other qualifications concerning the pricing of securities. To determine the value of securities in your account, we generally rely on third party quotation services. If a price is unavailable or believed to be unreliable, we may determine the price in good faith and may use other sources such as the last recorded transaction. When securities are held at another custodian or if you hold illiquid or restricted securities for which there is no published price, we will generally rely on the value provided by the custodian or issuer of that security.

Cash: Cash on deposit at UBS Bank USA is protected by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 in principal and accrued interest per depositor for each ownership type. Deposits made in an individual's own name, joint name, or individual retirement account are each held in a separate type of ownership. Such deposits are not guaranteed by UBS FS. More information is available upon request.

Margin: The quantity value may indicate that all or part of this position is held on margin or held in the short account. When an account holds a debit balance, this debit balance is incorporated into the account's total market value and deducted from the total value. When calculating the percent of portfolio on each security, the percentage will be impacted by the total market value of the account. Therefore, if the account's market value is reduced by a debit value of a holding the percent of portfolio will be greater and if the account's market value is increased by a holding then the percent of portfolio will be less.

Asset Allocation: Your allocation analysis is based on your current portfolio. The Asset Allocation portion of

this report shows the mix of various investment classes in your account. An asset allocation that shows a significantly higher percentage of equity investments may be more appropriate for an investor with a more aggressive investment strategy and higher tolerance for risk. Similarly, the asset allocation of a more conservative investor may show a higher percentage of fixed income investments.

Separately Managed Accounts and Pooled Investment Vehicles (such as mutual funds, closed end funds and exchanged traded funds): The asset classification displayed is based on firm's proprietary methodology for classifying assets. Please note that the asset classification assigned to rolled up strategies may include individual investments that provide exposure to other asset classes. For example, an International Developed Markets strategy may include exposure to Emerging Markets, and a US Large Cap strategy may include exposure to Mid Cap and Small Cap, etc.

Mutual Fund Asset Allocation: If the option to unbundle balanced mutual funds is selected and if a fund's holdings data is available, mutual funds will be classified by the asset class, subclass, and style breakdown of their underlying holdings. Where a mutual fund or ETF contains equity holdings from multiple equity sectors, this report will proportionately allocate the underlying holdings of the fund to those sectors measured as a percentage of the total fund's asset value as of the date shown.

This information is supplied by Morningstar, Inc. on a daily basis to UBS FS based on data supplied by the fund which may not be current. Mutual funds change their portfolio holdings on a regular (often daily) basis. Accordingly, any analysis that includes mutual funds may not accurately reflect the current composition of these funds. If a fund's underlying holding data is not available, it will be classified based on its corresponding overall Morningstar classification. All data is as of the date indicated in the report.

All pooled investment vehicles (such as mutual funds, closed end mutual funds, and exchange traded funds) incorporate internal management and operation expenses, which are reflected in the performance returns. Please see relevant fund prospectus for more information. Please note, performance for mutual funds is inclusive of multiple share classes.

Ineligible Assets: We require that you hold and purchase only eligible managed assets in your advisory accounts. Please contact your Financial Advisor for a list of the eligible assets in your program. These reports may provide performance information for eligible and ineligible assets in a fee-based program. Since ineligible assets are not considered fee-based program assets, the inclusion of such securities will distort the actual performance of your advisory assets. As a result, the



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

performance reflected in this report can vary substantially from the individual account performance reflected in the performance reports provided to you as part of those programs. For fee-based programs, fees are charged on the market value of eligible assets in the accounts and assessed quarterly in advance, prorated according to the number of calendar days in the billing period. Neither UBS nor your Financial Advisor will act as your investment adviser with respect to Ineligible Assets.

Variable Annuity Asset Allocation: If the option to unbundle a variable annuity is selected and if a variable annuity's holdings data is available, variable annuities will be classified by the asset class, subclass, and style breakdown for their underlying holdings. Where a variable annuity contains equity holdings from multiple equity sectors, this report will proportionately allocate the underlying holdings of the variable annuity to those sectors measured as a percentage of the total variable annuity's asset value as of the date shown.

This information is supplied by Morningstar, Inc. on a weekly basis to UBS FS based on data supplied by the variable annuity which may not be current. Portfolio holdings of variable annuities change on a regular (often daily) basis. Accordingly, any analysis that includes variable annuities may not accurately reflect the current composition of these variable annuities. If a variable annuity's underlying holding data is not available, it will remain classified as an annuity. All data is as of the date indicated in the report.

Equity Style: The Growth, Value and Core labels are determined by Morningstar. If an Equity Style is unclassified, it is due to non-availability of data required by Morningstar to assign it a particular style.

Equity Capitalization: Market Capitalization is determined by Morningstar. Equity securities are classified as Large Cap, Mid Cap or Small Cap by Morningstar. Unclassified securities are those for which no capitalization is available on Morningstar.

Equity Sectors: The Equity sector analysis may include a variety of accounts, each with different investment and risk parameters. As a result, the overweighting or underweighting in a particular sector or asset class should not be viewed as an isolated factor in making investment/liquidation decisions; but should be assessed on an account by account basis to determine the overall impact on the account's portfolio.

Classified Equity: Classified equities are defined as those equities for which the firm can confirm the specific industry and sector of the underlying equity instrument.

Estimated Annual Income: The Estimated Annual Income is calculated by summing the previous four dividend/interest rates per share and multiplying by the quantity of shares held in the selected account(s) as of

the End Date of Report. For savings product & sweep funds this value is not calculated and is displayed as 0.

Current Yield: Current yield is defined as the estimated annual income divided by the total market value.

Research Rating: UBS CIO GWM Research is produced by UBS Global Wealth Management (a UBS business group that includes, among others, UBS Financial Services Inc. and UBS International, Inc.) and UBS Investment Research is produced by UBS Investment Bank. Both sources of information are independent of one another and reflect the different assumptions, views and analytical methods of the analysts who prepared them, there may exist a difference of opinions between the two sources. For more information about each research source, please go to UBS Online Services or ask your Financial Advisor.

UBS CIO Global Wealth Management Rating Under Review The CIO GWM Relative Sector Rating for this stock has been placed Under Review by the analyst.

UBS Investment Research Rating: Rating Exception Recommendation and price target information temporarily suspended due to restriction or pending review. **Rating Exception** The rating for this stock may have been placed Under Review by the analyst, or may have an exception to the core rating bands. For further information, please refer to the "Research Rating Exceptions" daily report or contact your financial advisor or representative.

Your Portfolio Manager uses a variety of research sources in making its investment decisions for your account, including research issued by the Firm, UBS affiliates and independent sources. Your Portfolio Manager is not required to follow the Firm or UBS issued research and may, in its discretion, take positions for your account that contradict the research issued by UBS and its affiliates.

UBS CIO Global Wealth Management: Opinions may differ or be contrary to those expressed by other business areas or groups of UBS AG, its subsidiaries and affiliates. UBS Chief Investment Office Wealth Management (UBS CIO GWM) is written by UBS Global Wealth Management (a UBS business group that includes, among others, UBS Financial Services Inc. and UBS International, Inc.). UBS Investment Research is written by UBS Investment Bank. The research process of UBS CIO GWM is independent of UBS Investment Research. As a consequence research methodologies applied and assumptions made by UBS CIO GWM and UBS Investment Research may differ, for example, in terms of investment horizon, model assumptions, and valuation methods. Therefore investment recommendations independently provided by the two UBS research organizations can be different.

Your Portfolio Manager uses a variety of research sources in making its investment decisions for your account, including research issued by the Firm, UBS affiliates and independent sources. Your Portfolio Manager is not required to follow the Firm or UBS issued research and may, in its discretion, take positions for your account that contradict the research issued by UBS and its affiliates.

There are two sources of UBS research. Reports from the first source, UBS CIO Global Wealth Management, are designed for individual investors and are produced by UBS Wealth Management Americas (which includes UBS Financial Services Inc. and UBS International, Inc.). The second research source is UBS Investment Research, and its reports are produced by UBS Investment Bank, whose primary business focus is institutional investors. The two sources operate independently and may therefore have different recommendations.

The various research content provided does not take into account the unique investment objectives, financial situation or particular needs of any specific individual investor. If you have any questions, please consult your Financial Advisor.

Bond Rating: These ratings are obtained from independent industry sources and are not verified by UBS FS. Securities without rating information are left blank. Rating agencies may discontinue ratings on high yield securities.

NR: When NR is displayed under bond rating column, no ratings are currently available from that rating agency.

High Yield: This report may designate a security as a high yield fixed income security even though one or more rating agencies rate the security as an investment grade security. Further, this report may incorporate a rating that is no longer current with the rating agency. For more information about the rating for any high yield fixed income security, or to consider whether to hold or sell a high yield fixed income security, please contact your financial advisor or representative and do not make any investment decision based on this report.

Credit/Event Risk: Investments are subject to event risk and changes in credit quality of the issuer. Issuers can experience economic situations that may have adverse effects on the market value of their securities.

Interest Rate Risk: Bonds are subject to market value fluctuations as interest rates rise and fall. If sold prior to maturity, the price received for an issue may be less than the original purchase price.

Reinvestment Risk: Since most corporate issues pay interest semiannually, the coupon payments over the life of the bond can have a major impact on the bond's total return.

Call Provisions: When evaluating the purchase of a corporate bond, one should be aware of any features that may allow the issuer to call the security. This is particularly important when considering an issue that is trading at a premium to its call price, since the return may be negatively impacted if the issue is redeemed. Should an issue be called, investors may be faced with an earlier than anticipated reinvestment decision, and may be unable to reinvest their principal at equally favorable rates.

Effective Maturity: Effective maturity is the expected redemption due to pre-refunding, puts, or maturity and does not reflect any sinking fund activity, optional or extraordinary calls. Securities without a maturity date are left blank and typically include Preferred Securities, Mutual Funds and Fixed Income UITs.

Yields: Yield to Maturity and Yield to Worst are calculated to the worst call.

Accrued Interest: Interest that has accumulated between the most recent payment and the report date may be reflected in market values for interest bearing securities.

Bond Averages: All averages are weighted averages calculated based on market value of the holding, not including accrued interest.

Tax Status: "Taxable" includes all securities held in a taxable account that are subject to federal and/or state or local taxation. "Tax-exempt" includes all securities held in a taxable account that are exempt from federal, state and local taxation. "Tax-deferred" includes all securities held in a tax-deferred account, regardless of the status of the security.

Bond sensitivity analysis: This analysis uses Modified Duration which approximates the percentage price change of a security for a given change in yield. The higher the modified duration of a security, the higher its risk. For callable securities, modified duration does not address the impact of changing interest rates on a bond's expected cash flow as a result of a call or prepayment.

Gain/Loss: The gain/loss information may include calculations based upon non-UBS FS cost basis information. The Firm does not independently verify or guarantee the accuracy or validity of any information provided by sources other than UBS FS. In addition, if this report contains positions with unavailable cost basis, the gain/(loss) for these positions are excluded in the calculation for the Gain/(Loss). As a result these figures may not be accurate and are provided for informational purposes only. Clients should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise. Rely only on year-end tax forms



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

when preparing your tax return. See your monthly statement for additional information.

The account listing may or may not include all of your accounts with UBS FS. The accounts included in this report are listed under the "Accounts included in this review" shown on the first page or listed at the top of each page. If an account number begins with "@" this denotes assets or liabilities held at other financial institutions. Information about these assets, including valuation, account type and cost basis, is based on the information you provided to us, or provided to us by third party data aggregators or custodians at your direction. We have not verified, and are not responsible for, the accuracy or completeness of this information.

Account name(s) displayed in this report and labels used for groupings of accounts can be customizable "nicknames" chosen by you to assist you with your recordkeeping or may have been included by your financial advisor for reference purposes only. The names used have no legal effect, are not intended to reflect any strategy, product, recommendation, investment objective or risk profile associated with your accounts or any group of accounts, and are not a promise or guarantee that wealth, or any financial results, can or will be achieved. All investments involve the risk of loss, including the risk of loss of the entire investment.

For more information about account or group names, or to make changes, contact your Financial Advisor.

Account changes: At UBS, we are committed to helping you work toward your financial goals. So that we may continue providing you with financial advice that is consistent with your investment objectives, please consider the following two questions:

- 1) Have there been any changes to your financial situation or investment objectives?
 - 2) Would you like to implement or modify any restrictions regarding the management of your account?
- If the answer to either question is "yes," it is important that you contact your Financial Advisor as soon as possible to discuss these changes. For MAC advisory accounts, please contact your investment manager directly if you would like to impose or change any investment restrictions on your account.

ADV disclosure: A complimentary copy of our current Form ADV Disclosure Brochure that describes the advisory program and related fees is available through your Financial Advisor. Please contact your Financial Advisor if you have any questions.

Important information for former Piper Jaffray and McDonald Investments clients: As an accommodation to former Piper Jaffray and McDonald Investments clients, these reports include performance history for their Piper Jaffray accounts prior to August 12, 2006 and

McDonald Investments accounts prior to February 9, 2007, the date the respective accounts were converted to UBS FS. UBS FS has not independently verified this information nor do we make any representations or warranties as to the accuracy or completeness of that information and will not be liable to you if any such information is unavailable, delayed or inaccurate.

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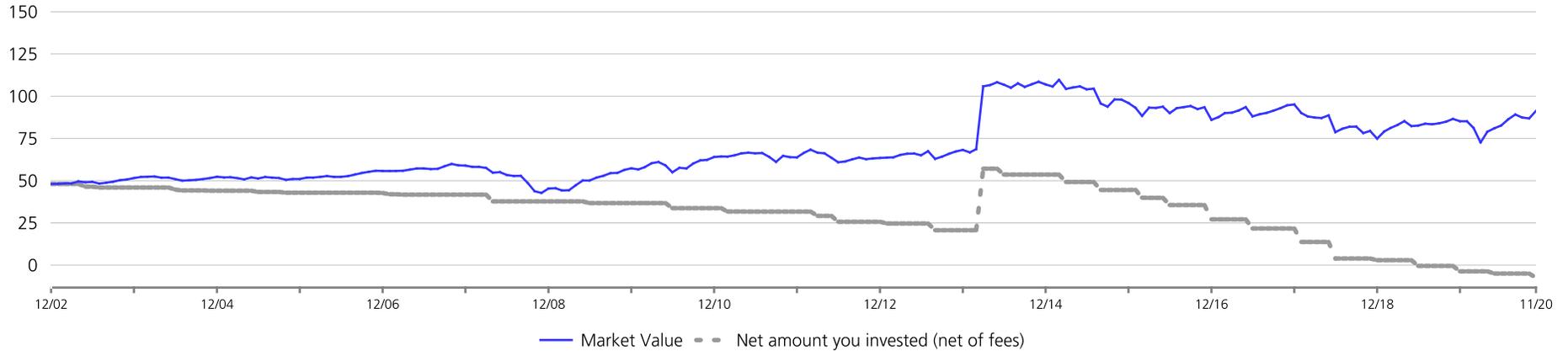
Performance History prior to the account's inception at UBS Financial Services, Inc. may have been included in this report and is based on data provided by third party sources. UBS Financial Services Inc. has not independently verified this information nor does UBS Financial Services Inc. guarantee the accuracy or validity of the information.

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Sources of portfolio value

as of November 30, 2020

\$ Millions



	MTD 10/31/2020 to 11/30/2020	QTD 09/30/2020 to 11/30/2020	YTD 12/31/2019 to 11/30/2020	1 Year 11/30/2019 to 11/30/2020	3 Years 11/30/2017 to 11/30/2020	5 Years 11/30/2015 to 11/30/2020	7 Years 11/30/2013 to 11/30/2020	10 Years 11/30/2010 to 11/30/2020	ITD 12/31/2002 to 11/30/2020
Opening value	86,874,892.05	87,415,944.25	85,204,028.21	86,578,377.20	94,651,782.61	98,004,301.35	67,295,188.69	62,343,061.84	48,080,148.50
Net deposits/withdrawals	-2,422,145.00	-2,422,145.00	-3,738,768.33	-6,940,924.33	-29,116,699.33	-51,906,090.86	-28,081,903.40	-41,138,757.77	-55,487,115.02
Div./interest income	163,668.47	256,850.78	1,468,945.80	2,500,446.84	7,899,672.12	13,661,148.07	19,004,665.90	24,096,479.97	40,904,490.91
Change in accr. interest	-11,738.29	-9,278.56	-8,910.71	-4,541.68	-4,509.13	-35,214.58	-37,663.30	-129,061.57	-557,874.05
Change in value	6,685,659.24	6,048,965.00	8,365,041.49	9,156,978.43	17,860,090.20	31,566,192.48	33,110,048.57	46,118,613.98	58,350,686.12
Closing value	91,290,336.46	91,290,336.46	91,290,336.46	91,290,336.46	91,290,336.46	91,290,336.46	91,290,336.46	91,290,336.46	91,290,336.46
Gross Time-weighted ROR	7.90	7.24	11.95	14.38	10.59	10.96	8.84	9.14	8.14
Net Time-weighted ROR	7.90	7.23	11.84	14.26	10.46	10.84	8.73	9.03	8.08

Performance returns are annualized after 1 year. Net deposits and withdrawals include program and account fees.

Benchmarks - Annualized time-weighted returns

Blended Index	9.04	7.33	10.45	13.26	8.13	9.13	7.32	8.02	8.20
US Treasury Bill - 3 Mos	0.01	0.02	0.54	0.68	1.55	1.13	0.81	0.59	1.26
Barclays Agg Bond	0.98	0.53	7.36	7.28	5.45	4.33	3.98	3.71	4.35
MSCI Emerging Markets-PR	9.21	11.37	8.11	15.87	2.44	8.15	2.43	1.14	8.23
Russell 2000	18.43	20.91	10.41	13.59	7.09	10.24	8.35	11.12	10.55
S&P 500	10.95	8.00	14.02	17.46	13.16	13.97	12.70	14.18	10.43

Blended Index:Start - Current: 30% Barclays Govt/Credit Int; 70% MSCI AC World IMI - GR

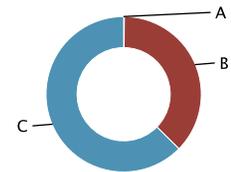
Past performance does not guarantee future results and current performance may be lower/higher than past data presented.

Portfolio holdings

as of November 30, 2020

Summary of Portfolio Holdings

	Cost basis (\$)	Value on 11/30/2020 (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Portfolio
A Cash	142,843.26	142,843.26	0.00	0.00%	148.44	0.10%	0.16%
Cash	142,843.26	142,843.26	0.00	0.00%	148.44	0.10%	0.16%
US	142,843.26	142,843.26	0.00	0.00%	148.44	0.10%	0.16%
US Cash	142,843.26	142,843.26	0.00	0.00%	148.44	0.10%	0.16%
B Fixed Income	32,912,516.89	33,981,897.83	1,069,380.94	3.25%	888,506.57	2.61%	37.22%
US	27,907,704.42	28,943,742.66	1,036,038.24	3.71%	750,540.65	2.59%	31.70%
US Fixed Income	19,406,614.87	20,024,543.07	617,928.20	3.18%	449,696.99	2.25%	21.94%
Short	5,572,033.94	5,851,726.12	279,692.18	5.02%	114,417.45	1.96%	6.41%
Intermediate	13,299,580.93	13,637,657.71	338,076.78	2.54%	334,789.54	2.45%	14.94%
Other	535,000.00	535,159.24	159.24	0.03%	490.00	0.09%	0.59%
Government	3,865,040.73	4,265,790.06	400,749.33	10.37%	52,250.73	1.22%	4.67%
Other	3,865,040.73	4,265,790.06	400,749.33	10.37%	52,250.73	1.22%	4.67%
Corporate IG Credit	293,625.00	350,798.46	57,173.46	19.47%	28,081.35	8.03%	0.38%
Short	293,625.00	350,798.46	57,173.46	19.47%	28,081.35	8.03%	0.38%
Corporate High Yield	4,342,423.82	4,302,611.07	-39,812.75	-0.92%	220,511.58	5.13%	4.71%
Corporate High Yield	4,342,423.82	4,302,611.07	-39,812.75	-0.92%	220,511.58	5.13%	4.71%
Global	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	4.37%
Global	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	4.37%
Global	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	4.37%
International	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.53	3.78%	1.15%
Emerging Markets	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.53	3.78%	1.15%
Emerging Markets	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.53	3.78%	1.15%
C Equity	31,633,109.06	57,165,595.37	25,532,486.31	80.71%	680,735.95	1.19%	62.62%
US	19,822,502.71	39,728,708.06	19,906,205.35	100.42%	568,669.56	1.43%	43.52%
US Equity	6,900.00	3,540.00	-3,360.00	-48.70%	0.00	0.00%	0.00%
Other	6,900.00	3,540.00	-3,360.00	-48.70%	0.00	0.00%	0.00%
Large Cap	12,598,567.46	27,651,229.47	15,052,662.01	119.48%	391,289.15	1.42%	30.29%
Core	4,218,160.24	11,845,795.31	7,627,635.07	180.83%	145,393.52	1.23%	12.98%
Growth	1,558,963.73	6,217,786.16	4,658,822.43	298.84%	7,296.00	0.12%	6.81%
Value	6,756,611.24	9,335,591.20	2,578,979.96	38.17%	234,269.63	2.51%	10.23%
Public Real Estate	63,618.17	231,200.00	167,581.83	263.42%	4,330.00	1.87%	0.25%
Other	1,214.08	20,856.80	19,642.72	1,617.91%	0.00	0.00%	0.02%
Mid Cap	2,830,978.36	5,561,285.20	2,730,306.84	96.44%	150,396.03	2.70%	6.10%
Core	920,201.68	2,994,206.20	2,074,004.52	225.39%	50,524.00	1.69%	3.28%
Growth	168,607.43	367,400.00	198,792.57	117.90%	0.00	0.00%	0.41%
Value	1,742,169.25	2,199,679.00	457,509.75	26.26%	99,872.03	4.54%	2.41%
Small Cap	3,889,293.89	6,512,653.39	2,623,359.50	67.45%	26,984.38	0.41%	7.13%





Portfolio holdings - as of November 30, 2020 (continued)

	Cost basis (\$)	Value on 11/30/2020 (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Portfolio
Core	1,061,070.45	1,596,415.38	535,344.93	50.45%	18,074.04	1.13%	1.75%
Growth	1,339,940.45	3,421,207.21	2,081,266.76	155.33%	0.00	0.00%	3.74%
Value	1,488,282.99	1,495,030.80	6,747.81	0.45%	8,910.34	0.60%	1.64%
Convertibles	496,763.00	0.00	-496,763.00	-100.00%	0.00	0.00%	0.00%
Convertibles	496,763.00	0.00	-496,763.00	-100.00%	0.00	0.00%	0.00%
Global	4,132,772.71	7,547,293.85	3,414,521.14	82.62%	20,173.74	0.27%	8.27%
Global	4,132,772.71	7,547,293.85	3,414,521.14	82.62%	20,173.74	0.27%	8.27%
Core	4,132,772.71	7,547,293.85	3,414,521.14	82.62%	20,173.74	0.27%	8.27%
International	7,677,833.64	9,889,593.46	2,211,759.82	28.81%	91,892.65	0.93%	10.83%
Developed Markets	4,786,012.14	5,729,034.72	943,022.58	19.70%	54,663.60	0.95%	6.27%
Core	311,226.30	435,240.50	124,014.20	39.85%	9,357.72	2.15%	0.48%
Growth	4,262,257.99	4,972,144.22	709,886.23	16.66%	26,005.88	0.52%	5.44%
Value	212,527.85	321,650.00	109,122.15	51.34%	19,300.00	6.00%	0.35%
Emerging Markets	2,891,821.50	4,160,558.74	1,268,737.24	43.87%	37,229.05	0.89%	4.56%
Growth	2,779,753.89	3,904,379.62	1,124,625.73	40.46%	37,229.05	0.95%	4.28%
Other	112,067.61	256,179.12	144,111.51	128.59%	0.00	0.00%	0.28%
D Commodities	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
E Non-Traditional	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
F Other	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
Total Portfolio	\$64,688,469.21	\$91,290,336.46	\$26,601,867.25	41.12%	\$1,569,390.96	1.72%	100%

Balanced mutual funds represented in multiple asset classes based on Morningstar allocations



Portfolio holdings - as of November 30, 2020 (continued)

Details of portfolio holdings

	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of asset class	% of Portfolio
Total Portfolio	\$64,688,469.21	\$91,290,336.46	\$26,601,867.25	41.12%	\$1,569,390.96	1.72%	100%	100%

	Quantity	Purchase price (\$)/ Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Cash	% of Portfolio
Cash											
Cash											
US											
US Cash											
LIQUID ASSETS GOVT FUND	142,843.26	1.00	1.00	142,843.26	142,843.26	0.00	0.00%	148.44	0.10%	100.00%	0.16%
CUSIP: 90262Y307 Symbol: MMLIRA											
Total US Cash				\$142,843.26	\$142,843.26	\$0.00	0.00%	\$148.44	0.10%	100.00%	0.16%
Total US				\$142,843.26	\$142,843.26	\$0.00	0.00%	\$148.44	0.10%	100.00%	0.16%
Total Cash				\$142,843.26	\$142,843.26	\$0.00	0.00%	\$148.44	0.10%	100.00%	0.16%
Total Cash				\$142,843.26	\$142,843.26	\$0.00	0.00%	\$148.44	0.10%	100.00%	0.16%

	Quantity	Purchase price (\$)/ Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
Fixed Income											
US											
US Fixed Income											
Short											
THORNBURG LIMITED TERM INCOME FD CLASS A	417,682.09	13.34	14.01	5,572,033.94	5,851,726.12	279,692.18	5.02%	114,417.45	1.96%	17.22%	6.41%
CUSIP: 885215509 Symbol: THIFX											
Initial purchase date: Mar 09, 2017											
Client investment: \$5,020,625.28											
Reinvested dividends: \$551,408.66											
Investment return: \$831,100.84 (16.55%)											
Total Short				\$5,572,033.94	\$5,851,726.12	\$279,692.18	5.02%	\$114,417.45	1.96%	17.22%	6.41%

Intermediate



Portfolio holdings - as of November 30, 2020 (continued)

Fixed Income	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
US											
Intermediate											
LOOMIS SAYLES INVESTMENT GRADE BOND FUND CLASS A CUSIP: 543487144 Symbol: LIGRX Initial purchase date: Jun 13, 2014 Client investment: \$7,097,012.03 Reinvested dividends: \$1,896,548.33 Investment return: \$1,900,818.26 (26.78%)	744,237.41	12.08	12.09	8,993,560.36	8,997,830.29	4,269.93	0.05%	252,668.60	2.81%	26.48%	9.86%
METROPOLITAN WEST TOTAL RETURN BOND FUND CUSIP: 592905103 Symbol: MWTRX Initial purchase date: Nov 14, 2014 Client investment: \$3,587,358.91 Reinvested dividends: \$718,661.66 Investment return: \$1,052,468.51 (29.34%)	396,566.45	10.86	11.70	4,306,020.57	4,639,827.42	333,806.85	7.75%	82,120.94	1.77%	13.65%	5.08%
Total Intermediate				\$13,299,580.93	\$13,637,657.71	\$338,076.78	2.54%	\$334,789.54	2.45%	40.13%	14.94%
Other											
BANKUNITED NA FLOR FL US RT 00.0500% MAT 12/16/20 FIXED RATE CD CUSIP: 066519PM5 Symbol: ZBEMC Initial purchase date: Sep 09, 2020	185,000.00	100.00	100.00	185,000.00	185,020.86	20.86	0.01%	92.50	0.05%	0.54%	0.20%
BEAL BANK, SSB TX US RT 00.1000% MAT 12/23/20 FIXED RATE CD CUSIP: 07371ACM3 Symbol: ZBDIK Initial purchase date: Aug 17, 2020	255,000.00	100.00	100.00	255,000.00	255,077.27	77.27	0.03%	255.00	0.10%	0.75%	0.28%
BEAL BK NV US RT 00.1500% MAT 02/17/21 FIXED RATE CD CUSIP: 07371CDN6 Symbol: ZBDAM Initial purchase date: Aug 12, 2020	95,000.00	100.00	100.02	95,000.00	95,061.11	61.11	0.06%	142.50	0.15%	0.28%	0.11%
Total Other				\$535,000.00	\$535,159.24	\$159.24	0.03%	\$490.00	0.09%	1.58%	0.59%
Total US Fixed Income				\$19,406,614.87	\$20,024,543.07	\$617,928.20	3.18%	\$449,696.99	2.25%	58.93%	21.94%

Government

Other



Portfolio holdings - as of November 30, 2020 (continued)

	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
Fixed Income											
US											
Other											
ISHARES TIPS BOND ETF	33,743.00	114.54	126.42	3,865,040.73	4,265,790.06	400,749.33	10.37%	52,250.73	1.22%	12.55%	4.67%
CUSIP: 464287176 Symbol: TIP Initial purchase date: Feb 16, 2017 Client investment: \$3,689,182.34 Reinvested dividends: \$175,858.39 Investment return: \$576,607.72 (15.63%)											
Total Other				\$3,865,040.73	\$4,265,790.06	\$400,749.33	10.37%	\$52,250.73	1.22%	12.55%	4.67%
Total Government				\$3,865,040.73	\$4,265,790.06	\$400,749.33	10.37%	\$52,250.73	1.22%	12.55%	4.67%
Corporate IG Credit											
Short											
COMCAST CABLE 09.455% 111522	297,000.00	98.86	117.72	293,625.00	350,798.46	57,173.46	19.47%	28,081.35	8.03%	1.03%	0.38%
DTD111802 FC051503 COMMUNICATION CUSIP: 00209TAB1 Initial purchase date: Feb 13, 1992											
Total Short				\$293,625.00	\$350,798.46	\$57,173.46	19.47%	\$28,081.35	8.03%	1.03%	0.38%
Total Corporate IG Credit				\$293,625.00	\$350,798.46	\$57,173.46	19.47%	\$28,081.35	8.03%	1.03%	0.38%
Corporate High Yield											
Corporate High Yield											
BLACKROCK HIGH YIELD BOND PORTFOLIO	295,437.59	7.93	7.68	2,344,271.85	2,268,960.70	-75,311.14	-3.21%	113,063.97	4.98%	6.68%	2.48%
CUSIP: 09260B663 Symbol: BHYAX Initial purchase date: Nov 16, 2012 Client investment: \$1,215,925.43 Reinvested dividends: \$1,128,346.42 Investment return: \$1,053,035.28 (86.6%)											
BLACKROCK HIGH YIELD BOND PORTFOLIO INSTITUTIONAL	264,453.88	7.56	7.69	1,998,151.97	2,033,650.37	35,498.40	1.78%	107,447.61	5.28%	5.98%	2.23%
CUSIP: 09260B630 Symbol: BHYIX Initial purchase date: Aug 12, 2020 Client investment: \$1,976,775.79 Reinvested dividends: \$21,376.18 Investment return: \$56,874.58 (2.88%)											
Total Corporate High Yield				\$4,342,423.82	\$4,302,611.07	\$-39,812.75	-0.92%	\$220,511.58	5.13%	12.66%	4.71%
Total Corporate High Yield				\$4,342,423.82	\$4,302,611.07	\$-39,812.75	-0.92%	\$220,511.58	5.13%	12.66%	4.71%



Portfolio holdings - as of November 30, 2020 (continued)

Fixed Income	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Fixed Income	% of Portfolio
US											
Total US				\$27,907,704.42	\$28,943,742.66	\$1,036,038.24	3.71%	\$750,540.65	2.59%	85.17%	31.70%
Global											
Global											
Global											
BLACKROCK STRATEGIC INCOME OPPORTUNITIES PORTFOLIOA CUSIP: 09260B416 Symbol: BASIX Initial purchase date: Feb 13, 2014 Client investment: \$3,141,350.15 Reinvested dividends: \$820,360.92 Investment return: \$845,959.49 (26.93%)	387,493.65	10.22	10.29	3,961,711.07	3,987,309.64	25,598.57	0.65%	98,268.39	2.46%	11.73%	4.37%
Total Global				\$3,961,711.07	\$3,987,309.64	\$25,598.57	0.65%	\$98,268.39	2.46%	11.73%	4.37%
Total Global				\$3,961,711.07	\$3,987,309.64	\$25,598.57	0.65%	\$98,268.39	2.46%	11.73%	4.37%
Total Global				\$3,961,711.07	\$3,987,309.64	\$25,598.57	0.65%	\$98,268.39	2.46%	11.73%	4.37%
International											
Emerging Markets											
Emerging Markets											
TCW EMERGING MARKETS INCOME FUND CLASS N CUSIP: 87234N351 Symbol: TGINX Initial purchase date: Oct 09, 2019 Client investment: \$1,000,075.00 Reinvested dividends: \$43,026.40 Investment return: \$50,770.53 (5.08%)	97,753.07	10.67	10.75	1,043,101.40	1,050,845.53	7,744.13	0.74%	39,697.52	3.78%	3.09%	1.15%
Total Emerging Markets				\$1,043,101.40	\$1,050,845.53	\$7,744.13	0.74%	\$39,697.53	3.78%	3.10%	1.15%
Total Emerging Markets				\$1,043,101.40	\$1,050,845.53	\$7,744.13	0.74%	\$39,697.53	3.78%	3.10%	1.15%
Total International				\$1,043,101.40	\$1,050,845.53	\$7,744.13	0.74%	\$39,697.53	3.78%	3.10%	1.15%
Total Fixed Income				\$32,912,516.89	\$33,981,897.83	\$1,069,380.94	3.25%	\$888,506.57	2.61%	100.00%	37.22%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
US Equity											
Other											
RTS BRISTOL-MYERS SQUIBB CO EXP 03/31/21 CUSIP: 110122157 Symbol: BMYRT Initial purchase date: Nov 21, 2019	3,000.00	2.30	1.18	6,900.00	3,540.00	-3,360.00	-48.70%	0.00	0.00%	0.01%	0.00%
Total Other				\$6,900.00	\$3,540.00	-\$3,360.00	-48.70%	\$0.00	0.00%	0.01%	0.00%
Total US Equity				\$6,900.00	\$3,540.00	-\$3,360.00	-48.70%	\$0.00	0.00%	0.01%	0.00%
Large Cap											
Core											
ABBOTT LABS CUSIP: 002824100 Symbol: ABT Initial purchase date: May 11, 2016	3,045.00	38.39	108.22	116,912.23	329,529.90	212,617.67	181.86%	4,384.80	1.33%	0.58%	0.36%
APPLE INC CUSIP: 037833100 Symbol: AAPL Initial purchase date: Sep 15, 2011	12,300.00	14.01	119.05	172,382.83	1,464,314.99	1,291,932.17	749.46%	10,086.00	0.69%	2.56%	1.59%
BLACKROCK INC CUSIP: 09247X101 Symbol: BLK Initial purchase date: Aug 10, 2016	670.00	370.32	698.35	248,115.95	467,894.50	219,778.55	88.58%	9,728.40	2.08%	0.82%	0.51%
CALL APPLE INC DUE 03/19/21 150.000 030911 CUSIP: 99UBA3UT2 Symbol: AAPL Initial purchase date: Nov 11, 2020	-13.00	15,082.4	210.00	-1,960.72	-2,730.00	-769.28	-39.23%	0.00	0.00%	0.00%	0.00%
CALL COSTCO WHOLESALE CO DUE 03/19/21 450.000 0929G5 CUSIP: 99UBBWLO8 Symbol: COST Initial purchase date: Nov 16, 2020	-5.00	30,708.2	370.00	-1,535.41	-1,850.00	-314.59	-20.49%	0.00	0.00%	0.00%	0.00%
CALL MARSH & MCLENNAN CO DUE 04/16/21 125.000 275603 CUSIP: 99UBBWM41 Symbol: MMC Initial purchase date: Nov 11, 2020	-20.00	18,780.3	225.00	-3,756.06	-4,500.00	-743.94	-19.81%	0.00	0.00%	-0.01%	0.00%
CALL PEPSICO INC DUE 12/18/20 155.000 368024 CUSIP: 99UBA7YI3 Symbol: PEP Initial purchase date: Jul 21, 2020	-10.00	9,653.30	7.00	-965.33	-70.00	895.33	92.75%	0.00	0.00%	0.00%	0.00%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
CALL PROCTER & GAMBLE CO DUE 01/15/21 145.000 383601 CUSIP: 99UBB1ZM5 Symbol: PG Initial purchase date: Jul 21, 2020	-30.00	12,287.4	124.00	-3,686.22	-3,720.00	-33.78	-0.92%	0.00	0.00%	-0.01%	0.00%
CALL STARBUCKS CORP DUE 06/18/21 105.000 509736 CUSIP: 99UBBHKL8 Symbol: SBUX Initial purchase date: Aug 12, 2020	-12.00	12,297.7	450.00	-1,475.73	-5,400.00	-3,924.27	-265.92%	0.00	0.00%	-0.01%	-0.01%
CALL WALT DISNEY CO (HOL DUE 04/16/21 160.000 129488 CUSIP: 99UBBVAX2 Symbol: DIS Initial purchase date: Nov 11, 2020	-18.00	35,000.1	662.50	-6,300.02	-11,925.00	-5,624.98	-89.29%	0.00	0.00%	-0.02%	-0.01%
CALL YUM CHINA HLDGS INC DUE 04/16/21 65.000 518NY1 CUSIP: 99UBAQTZ9 Symbol: YUMC Initial purchase date: Nov 11, 2020	-30.00	19,379.7	150.00	-5,813.91	-4,500.00	1,313.91	22.60%	0.00	0.00%	-0.01%	0.00%
COSTCO WHOLESALE CORP CUSIP: 22160K105 Symbol: COST Initial purchase date: May 10, 2012	2,060.00	100.01	391.77	206,030.16	807,046.20	601,016.04	291.71%	5,768.00	0.71%	1.41%	0.88%
GLOBAL PAYMENTS INC CUSIP: 37940X102 Symbol: GPN Initial purchase date: Dec 10, 2009	5,000.00	25.78	195.19	128,889.82	975,950.00	847,060.18	657.20%	3,900.00	0.40%	1.71%	1.07%
LOCKHEED MARTIN CORP CUSIP: 539830109 Symbol: LMT Initial purchase date: Oct 09, 2019	320.00	388.31	365.00	124,260.66	116,800.00	-7,460.66	-6.00%	3,328.00	2.85%	0.20%	0.13%
MARSH & MCLENNAN COS INC CUSIP: 571748102 Symbol: MMC Initial purchase date: Jan 13, 2016	7,030.00	53.01	114.64	372,652.52	805,919.20	433,266.68	116.27%	13,075.80	1.62%	1.41%	0.88%
MCDONALDS CORP CUSIP: 580135101 Symbol: MCD Initial purchase date: Jan 14, 2010	1,050.00	62.64	217.44	65,769.03	228,312.00	162,542.97	247.14%	5,418.00	2.37%	0.40%	0.25%
O REILLY AUTOMOTIVE INC CUSIP: 67103H107 Symbol: ORLY Initial purchase date: Jul 01, 2003	1,500.00	16.91	442.44	25,366.87	663,660.00	638,293.13	2,516.25%	0.00	0.00%	1.16%	0.73%
PEPSICO INC CUSIP: 713448108 Symbol: PEP Initial purchase date: Oct 17, 2011	5,000.00	62.54	144.23	312,687.24	721,150.00	408,462.76	130.63%	20,450.00	2.84%	1.26%	0.79%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
PROCTER & GAMBLE CO CUSIP: 742718109 Symbol: PG Initial purchase date: Feb 15, 1996	7,000.00	35.00	138.87	245,024.26	972,090.00	727,065.74	296.73%	22,139.60	2.28%	1.70%	1.06%
PUT APPLE INC DUE 12/18/20 62.500 030911 CUSIP: 99UBA9HA5 Symbol: AAPL Initial purchase date: Aug 14, 2020	-40.00	3,763.53	1.00	-1,505.41	-40.00	1,465.41	97.34%	0.00	0.00%	0.00%	0.00%
SPDR S&P 500 ETF TR CUSIP: 78462F103 Symbol: SPY Initial purchase date: Feb 08, 2017 Client investment: \$502,534.43 Reinvested dividends: \$41,871.48 Investment return: \$338,168.89 (67.29%)	2,322.00	234.46	362.06	544,405.91	840,703.32	296,297.41	54.43%	13,191.32	1.57%	1.47%	0.92%
STARBUCKS CORP CUSIP: 855244109 Symbol: SBUX Initial purchase date: May 10, 2012	11,280.00	52.24	98.02	589,287.75	1,105,665.60	516,377.85	87.63%	20,304.00	1.84%	1.93%	1.21%
THERMO FISHER SCIENTIFIC INC CUSIP: 883556102 Symbol: TMO Initial purchase date: Oct 09, 2019	445.00	280.04	464.98	124,616.33	206,916.10	82,299.77	66.04%	391.60	0.19%	0.36%	0.23%
UNITEDHEALTH GROUP INC CUSIP: 91324P102 Symbol: UNH Initial purchase date: Oct 09, 2019	560.00	224.30	336.34	125,605.88	188,350.40	62,744.52	49.95%	2,800.00	1.49%	0.33%	0.21%
WALMART INC CUSIP: 931142103 Symbol: WMT Initial purchase date: Oct 09, 2019	1,050.00	120.26	152.79	126,275.03	160,429.50	34,154.47	27.05%	2,268.00	1.41%	0.28%	0.18%
WALT DISNEY CO (HOLDING CO) DISNEY COM CUSIP: 254687106 Symbol: DIS Initial purchase date: Dec 09, 2015	5,860.00	104.21	148.01	610,699.80	867,338.60	256,638.80	42.02%	0.00	0.00%	1.52%	0.95%
YUM CHINA HLDGS INC CUSIP: 98850P109 Symbol: YUMC Initial purchase date: Sep 09, 2004	17,000.00	6.25	56.38	106,176.78	958,460.00	852,283.22	802.70%	8,160.00	0.85%	1.68%	1.05%
Total Core				\$4,218,160.24	\$11,845,795.31	\$7,627,635.07	180.83%	\$145,393.52	1.23%	20.72%	12.98%
Growth											
ALPHABET INC CL A CUSIP: 02079K305 Symbol: GOOGL Initial purchase date: Nov 12, 2009	832.00	452.75	1,754.40	376,686.20	1,459,660.80	1,082,974.60	287.50%	0.00	0.00%	2.55%	1.60%
ALPHABET INC CL C CUSIP: 02079K107 Symbol: GOOG Initial purchase date: Nov 12, 2009	904.00	433.82	1,760.74	392,177.01	1,591,708.96	1,199,531.95	305.86%	0.00	0.00%	2.78%	1.74%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Growth											
AMAZON.COM INC CUSIP: 023135106 Symbol: AMZN Initial purchase date: Sep 14, 2016	585.00	769.36	3,168.04	450,073.08	1,853,303.40	1,403,230.32	311.78%	0.00	0.00%	3.24%	2.03%
CALL DANAHER CORP DUE 03/19/21 260.000 126250 CUSIP: 99UBAPLM8 Symbol: DHR Initial purchase date: Nov 11, 2020	-10.00	43,080.5	286.00	-4,308.05	-2,860.00	1,448.05	33.61%	0.00	0.00%	-0.01%	0.00%
CALL VISA INC CL A DUE 12/18/20 225.000 488372 CUSIP: 99UBAQM37 Symbol: V Initial purchase date: Jul 21, 2020	-10.00	41,506.1	65.00	-4,150.61	-650.00	3,500.61	84.34%	0.00	0.00%	0.00%	0.00%
DANAHER CORP CUSIP: 235851102 Symbol: DHR Initial purchase date: Jun 09, 2005	2,000.00	20.72	224.63	41,434.65	449,260.00	407,825.35	984.26%	1,440.00	0.32%	0.79%	0.49%
ESCROW ALTABA INC CUSIP: 021ESC017 Initial purchase date: Jun 12, 2014	3,000.00	36.85	14.55	110,545.88	43,650.00	-66,895.88	-60.51%	0.00	0.00%	0.08%	0.05%
MICROSOFT CORP CUSIP: 594918104 Symbol: MSFT Initial purchase date: Oct 09, 2019	900.00	139.79	214.07	125,813.00	192,663.00	66,850.00	53.13%	2,016.00	1.05%	0.34%	0.21%
VISA INC CL A CUSIP: 92826C839 Symbol: V Initial purchase date: Oct 17, 2011	3,000.00	23.56	210.35	70,692.57	631,050.00	560,357.43	792.67%	3,840.00	0.61%	1.10%	0.69%
Total Growth				\$1,558,963.73	\$6,217,786.16	\$4,658,822.43	298.84%	\$7,296.00	0.12%	10.88%	6.81%
Value											
AT&T INC CUSIP: 00206R102 Symbol: T Initial purchase date: Jun 09, 2011	5,968.00	31.24	28.75	186,443.46	171,580.00	-14,863.46	-7.97%	12,413.44	7.23%	0.30%	0.19%
BANK OF AMER CORP CUSIP: 060505104 Symbol: BAC Initial purchase date: Jan 13, 2016	33,050.00	15.11	28.16	499,349.09	930,688.00	431,338.91	86.38%	23,796.00	2.56%	1.63%	1.02%
BRISTOL MYERS SQUIBB CO CUSIP: 110122108 Symbol: BMY Initial purchase date: Nov 21, 2019	3,000.00	56.41	62.40	169,230.00	187,200.00	17,970.00	10.62%	5,400.00	2.88%	0.33%	0.21%
CALL BRISTOL MYERS SQUIBB DUE 06/18/21 70.000 053082 CUSIP: 99UBAXPD7 Symbol: BMY Initial purchase date: Nov 11, 2020	-10.00	19,178.4	164.00	-1,917.84	-1,640.00	277.84	14.49%	0.00	0.00%	0.00%	0.00%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
CALL CHEVRON CORP DUE 12/18/20 125.000 CUSIP: 99UBBC536 Symbol: CVX Initial purchase date: Feb 14, 2020	-17.00	18,235.5	15.00	-3,100.04	-255.00	2,845.04	91.77%	0.00	0.00%	0.00%	0.00%
CALL COMCAST CORP NEW CL DUE 06/18/21 50.000 026263 CUSIP: 99UBB0ID6 Symbol: CMCSA Initial purchase date: Jul 20, 2020	-8.00	13,738.6	420.00	-1,099.09	-3,360.00	-2,260.91	-205.71%	0.00	0.00%	-0.01%	0.00%
CALL DUKE ENERGY CORP NE DUE 01/15/21 105.000 119MG4 CUSIP: 99UBAL1G2 Symbol: DUK Initial purchase date: Feb 14, 2020	-10.00	32,453.5	20.00	-3,245.35	-200.00	3,045.35	93.84%	0.00	0.00%	0.00%	0.00%
CALL GENL DYNAMICS CORP DUE 05/21/21 175.000 174360 CUSIP: 99UBBSYT2 Symbol: GD Initial purchase date: Nov 11, 2020	-12.00	26,354.2	157.50	-3,162.51	-1,890.00	1,272.51	40.24%	0.00	0.00%	0.00%	0.00%
CALL GENL MILLS INC DUE 04/16/21 67.500 177105 CUSIP: 99UBBVKU7 Symbol: GIS Initial purchase date: Nov 13, 2020	-10.00	9,162.30	92.50	-916.23	-925.00	-8.77	-0.96%	0.00	0.00%	0.00%	0.00%
CALL JPMORGAN CHASE & CO DUE 12/18/20 125.000 241JP2 CUSIP: 99UBA66E5 Symbol: JPM Initial purchase date: Aug 12, 2020	-10.00	14,857.7	90.00	-1,485.77	-900.00	585.77	39.43%	0.00	0.00%	0.00%	0.00%
CALL ORACLE CORP DUE 12/18/20 62.500 353752 CUSIP: 99UBARTO2 Symbol: ORCL Initial purchase date: May 20, 2020	-10.00	12,206.4	36.00	-1,220.64	-360.00	860.64	70.51%	0.00	0.00%	0.00%	0.00%
CALL PFIZER INC DUE 06/18/21 40.000 +SPIN-OFF 370011 CUSIP: 99UBB3ZY5 Symbol: PFE1 Initial purchase date: Jul 21, 2020	-30.00	18,886.7	350.00	-5,666.02	-10,500.00	-4,833.98	-85.32%	0.00	0.00%	-0.02%	-0.01%
CHEVRON CORP CUSIP: 166764100 Symbol: CVX Initial purchase date: Feb 12, 2009	8,710.00	79.26	87.18	690,314.19	759,337.80	69,023.61	10.00%	44,943.60	5.92%	1.33%	0.83%
COMCAST CORP NEW CL A CUSIP: 20030N101 Symbol: CMCSA Initial purchase date: Oct 09, 2019	2,800.00	44.80	50.24	125,450.93	140,672.00	15,221.07	12.13%	2,576.00	1.83%	0.25%	0.15%

Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
DUKE ENERGY CORP NEW CUSIP: 26441C204 Symbol: DUK Initial purchase date: Apr 09, 2009	3,041.00	40.54	92.66	123,267.64	281,779.06	158,511.42	128.59%	11,738.26	4.17%	0.49%	0.31%
GENL DYNAMICS CORP CUSIP: 369550108 Symbol: GD Initial purchase date: Jan 13, 2000	5,200.00	26.43	149.35	137,455.71	776,620.00	639,164.29	465.00%	22,880.00	2.95%	1.36%	0.85%
GENL MILLS INC CUSIP: 370334104 Symbol: GIS Initial purchase date: Jun 10, 2010	4,000.00	38.13	60.82	152,506.12	243,280.00	90,773.88	59.52%	8,160.00	3.35%	0.43%	0.27%
JPMORGAN CHASE & CO CUSIP: 46625H100 Symbol: JPM Initial purchase date: Aug 14, 1997	2,000.00	37.85	117.88	75,704.64	235,760.00	160,055.36	211.42%	7,200.00	3.05%	0.41%	0.26%
MERCK & CO INC NEW COM CUSIP: 58933Y105 Symbol: MRK Initial purchase date: Oct 09, 2019	1,470.00	85.01	80.39	124,962.07	118,173.30	-6,788.77	-5.43%	3,822.00	3.23%	0.21%	0.13%
MFS VALUE FUND CLASS A CUSIP: 552983801 Symbol: MEIAX Initial purchase date: Oct 11, 2017 Client investment: \$3,950,015.75 Reinvested dividends: \$387,304.84 Investment return: \$822,115.69 (20.81%)	107,991.21	40.16	44.19	4,337,320.59	4,772,131.44	434,810.85	10.02%	69,573.34	1.46%	8.35%	5.21%
ORACLE CORP CUSIP: 68389X105 Symbol: ORCL Initial purchase date: Feb 10, 2005	5,000.00	13.18	57.72	65,886.08	288,600.00	222,713.92	338.03%	4,800.00	1.66%	0.50%	0.32%
PFIZER INC CUSIP: 717081103 Symbol: PFE Initial purchase date: Jun 16, 2008	10,000.00	2.20	38.31	22,027.35	383,100.00	361,072.65	1,639.20%	15,200.00	3.97%	0.67%	0.42%
RAYTHEON TECHNOLOGIES CORP CUSIP: 75513E101 Symbol: RTX Initial purchase date: Oct 09, 2019	930.00	73.66	71.72	68,506.86	66,699.60	-1,807.26	-2.64%	1,767.00	2.65%	0.12%	0.07%
Total Value				\$6,756,611.24	\$9,335,591.20	\$2,578,979.96	38.17%	\$234,269.63	2.51%	16.33%	10.23%
Public Real Estate											
AMERICAN TOWER CORP REIT CUSIP: 03027X100 Symbol: AMT Initial purchase date: Apr 13, 2012	1,000.00	63.62	231.20	63,618.17	231,200.00	167,581.83	263.42%	4,330.00	1.87%	0.40%	0.25%
Total Public Real Estate				\$63,618.17	\$231,200.00	\$167,581.83	263.42%	\$4,330.00	1.87%	0.40%	0.25%
Other											
VIATRIS INC CUSIP: 92556V106 Symbol: VTRS Initial purchase date: Jun 16, 2008	1,240.00	0.98	16.82	1,214.08	20,856.80	19,642.72	1,617.91%	0.00	0.00%	0.04%	0.02%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Other											
Total Other				\$1,214.08	\$20,856.80	\$19,642.72	1,617.91%	\$0.00	0.00%	0.04%	0.02%
Total Large Cap				\$12,598,567.46	\$27,651,229.47	\$15,052,662.01	119.48%	\$391,289.15	1.42%	48.37%	30.29%
Mid Cap											
Core											
AECOM CUSIP: 00766T100 Symbol: ACM Initial purchase date: Feb 05, 2010	2,900.00	25.19	51.89	73,045.33	150,481.00	77,435.67	106.01%	0.00	0.00%	0.26%	0.16%
CALL AECOM DUE 03/19/21 55.000 2048J1 CUSIP: 99UBBTP37 Symbol: ACM Initial purchase date: Nov 11, 2020	-9.00	13,520.2	279.00	-1,216.82	-2,511.00	-1,294.18	-106.36%	0.00	0.00%	0.00%	0.00%
CALL CONAGRA BRANDS, INC DUE 12/18/20 41.000 101290 CUSIP: 99UBB0HH8 Symbol: CAG Initial purchase date: Jul 21, 2020	-10.00	9,653.30	10.00	-965.33	-100.00	865.33	89.64%	0.00	0.00%	0.00%	0.00%
CALL IDEX CORP DUE 04/16/21 200.000 223085 CUSIP: 99UBBV1I5 Symbol: IEX Initial purchase date: Nov 11, 2020	-10.00	99,961.4	950.00	-9,996.14	-9,500.00	496.14	4.96%	0.00	0.00%	-0.02%	-0.01%
CALL YUM! BRANDS INC DUE 12/18/20 105.000 5175J8 CUSIP: 99UBB0OP2 Symbol: YUM Initial purchase date: Jul 21, 2020	-20.00	21,240.2	280.00	-4,248.05	-5,600.00	-1,351.95	-31.83%	0.00	0.00%	-0.01%	0.00%
CARRIER GLOBAL CORP CUSIP: 14448C104 Symbol: CARR Initial purchase date: Oct 09, 2019	930.00	24.96	38.07	23,215.22	35,405.10	12,189.88	52.51%	297.60	0.84%	0.06%	0.04%
CONAGRA BRANDS, INC. CUSIP: 205887102 Symbol: CAG Initial purchase date: Oct 09, 2019	3,000.00	28.43	36.56	85,290.85	109,680.00	24,389.15	28.60%	3,300.00	3.01%	0.19%	0.12%
FASTENAL CO CUSIP: 311900104 Symbol: FAST Initial purchase date: May 21, 2018	13,000.00	27.04	49.45	351,464.42	642,850.00	291,385.58	82.91%	13,000.00	2.02%	1.12%	0.70%
IDEX CORP CUSIP: 45167R104 Symbol: IEX Initial purchase date: Aug 11, 2004	2,000.00	20.50	193.15	41,001.00	386,300.00	345,299.00	842.17%	4,000.00	1.04%	0.68%	0.42%

Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
OTIS WORLDWIDE CORP CUSIP: 68902V107 Symbol: OTIS Initial purchase date: Oct 09, 2019	465.00	69.81	66.94	32,462.90	31,127.10	-1,335.80	-4.11%	372.00	1.20%	0.05%	0.03%
PUT TRACTOR SUPPLY COMP DUE 01/15/21 95.000 4608B6	-10.00	10,635.2	35.00	-1,063.52	-350.00	713.52	67.09%	0.00	0.00%	0.00%	0.00%
TRACTOR SUPPLY COMPANY CUSIP: 99UBBHQU2 Symbol: TSCO Initial purchase date: Aug 12, 2020	4,000.00	10.17	140.81	40,687.65	563,240.00	522,552.35	1,284.30%	6,400.00	1.14%	0.99%	0.62%
VF CORP CUSIP: 918204108 Symbol: VFC Initial purchase date: Oct 09, 2019	1,400.00	89.32	83.40	125,044.79	116,760.00	-8,284.79	-6.63%	2,744.00	2.35%	0.20%	0.13%
WATSCO INC CUSIP: 942622200 Symbol: WSO Initial purchase date: Apr 15, 2010	1,000.00	61.20	227.36	61,202.82	227,360.00	166,157.18	271.49%	7,100.00	3.12%	0.40%	0.25%
YUM! BRANDS INC CUSIP: 988498101 Symbol: YUM Initial purchase date: Sep 09, 2004	7,080.00	14.73	105.80	104,276.56	749,064.00	644,787.44	618.34%	13,310.40	1.78%	1.31%	0.82%
Total Core				\$920,201.68	\$2,994,206.20	\$2,074,004.52	225.39%	\$50,524.00	1.69%	5.24%	3.28%
Growth											
PALO ALTO NETWORKS INC CUSIP: 697435105 Symbol: PANW Initial purchase date: Feb 12, 2015	1,250.00	134.89	293.92	168,607.43	367,400.00	198,792.57	117.90%	0.00	0.00%	0.64%	0.41%
Total Growth				\$168,607.43	\$367,400.00	\$198,792.57	117.90%	\$0.00	0.00%	0.64%	0.41%
Value											
CALL HARTFORD FINCL SERV DUE 01/15/21 70.000 1988E4	-10.00	19,473.1	10.00	-1,947.31	-100.00	1,847.31	94.86%	0.00	0.00%	0.00%	0.00%
CALL ONEOK INC NEW DUE 01/15/21 42.500 3496G4	-20.00	8,945.55	69.00	-1,789.11	-1,380.00	409.11	22.87%	0.00	0.00%	0.00%	0.00%
OKE CUSIP: 99UBB0N65 Symbol: OKE Initial purchase date: Jul 21, 2020											



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Value											
CALL SMUCKER J M CO NEW DUE 01/15/21 130.000 4258Y5 CUSIP: 99UBBC569 Symbol: SJM Initial purchase date: Feb 14, 2020	-10.00	15,643.3	40.00	-1,564.33	-400.00	1,164.33	74.43%	0.00	0.00%	0.00%	0.00%
GENUINE PARTS CO CUSIP: 372460105 Symbol: GPC Initial purchase date: Apr 13, 2012	3,000.00	63.29	98.37	189,860.40	295,110.00	105,249.60	55.44%	9,480.00	3.21%	0.52%	0.32%
HARTFORD FINCL SERVICES GROUP INC CUSIP: 416515104 Symbol: HIG Initial purchase date: Jan 13, 2005	4,000.00	67.53	44.20	270,129.76	176,800.00	-93,329.76	-34.55%	5,200.00	2.94%	0.31%	0.19%
ONEOK INC NEW CUSIP: 682680103 Symbol: OKE Initial purchase date: May 14, 2009	14,000.00	14.25	35.87	199,490.58	502,180.00	302,689.42	151.73%	52,360.00	10.43%	0.88%	0.55%
SMUCKER J M CO NEW CUSIP: 832696405 Symbol: SJM Initial purchase date: Jan 14, 2010	3,000.00	62.32	117.20	186,962.73	351,600.00	164,637.27	88.06%	10,800.00	3.07%	0.62%	0.39%
VANGUARD MID-CAP VALUE ETF CUSIP: 922908512 Symbol: VOE Initial purchase date: Dec 12, 2019	7,580.00	118.87	115.55	901,026.53	875,869.00	-25,157.53	-2.79%	22,032.03	2.52%	1.53%	0.96%
Total Value				\$1,742,169.25	\$2,199,679.00	\$457,509.75	26.26%	\$99,872.03	4.54%	3.85%	2.41%
Total Mid Cap				\$2,830,978.36	\$5,561,285.20	\$2,730,306.84	96.44%	\$150,396.03	2.70%	9.73%	6.10%
Small Cap											
Core											
ISHARES RUSSELL 2000 ETF CUSIP: 464287655 Symbol: IWM Initial purchase date: Jun 13, 2014 Client investment: \$999,013.13 Reinvested dividends: \$62,057.32 Investment return: \$597,402.25 (59.8%)	8,819.00	120.32	181.02	1,061,070.45	1,596,415.38	535,344.93	50.45%	18,074.04	1.13%	2.79%	1.75%
Total Core				\$1,061,070.45	\$1,596,415.38	\$535,344.93	50.45%	\$18,074.04	1.13%	2.79%	1.75%
Growth											



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Growth											
VIRTUS KAR SMALL-CAP GROWTH FUND CLASS A CUSIP: 92828N627 Symbol: PSGAX Initial purchase date: Feb 08, 2017 Client investment: \$1,260,010.50 Reinvested dividends: \$79,929.95 Investment return: \$2,161,196.72 (171.52%)	62,843.63	21.32	54.44	1,339,940.45	3,421,207.21	2,081,266.77	155.33%	0.00	0.00%	5.98%	3.74%
Total Growth				\$1,339,940.45	\$3,421,207.21	\$2,081,266.76	155.33%	\$0.00	0.00%	5.98%	3.74%
Value											
MFS NEW DISCOVERY VALUE FUND CLASS A CUSIP: 55278M100 Symbol: NDVAX Initial purchase date: Oct 11, 2017 Client investment: \$1,264,187.35 Reinvested dividends: \$224,095.64 Investment return: \$230,843.45 (18.26%)	96,515.87	15.42	15.49	1,488,282.99	1,495,030.80	6,747.81	0.45%	8,910.34	0.60%	2.62%	1.64%
Total Value				\$1,488,282.99	\$1,495,030.80	\$6,747.81	0.45%	\$8,910.34	0.60%	2.62%	1.64%
Total Small Cap				\$3,889,293.89	\$6,512,653.39	\$2,623,359.50	67.45%	\$26,984.38	0.41%	11.39%	7.13%
Convertibles											
Convertibles											
ESCROW GENERAL MTRS CORP 6.250% SER C DUE 07/15/33 CALLBL CONV CUSIP: 370ESC717 Initial purchase date: Jul 10, 2003	20,000.00	24.84	0.00	496,763.00	0.00	-496,763.00	-100.00%	0.00	0.00%	0.00%	0.00%
Total Convertibles				\$496,763.00	\$0.00	-\$496,763.00	-100.00%	\$0.00	0.00%	0.00%	0.00%
Total Convertibles				\$496,763.00	\$0.00	-\$496,763.00	-100.00%	\$0.00	0.00%	0.00%	0.00%
Total US				\$19,822,502.71	\$39,728,708.06	\$19,906,205.35	100.42%	\$568,669.56	1.43%	69.50%	43.52%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
Global											
Global											
Core											
AMER FUNDS CAPITAL WORLD GROWTH & INCOME FUND CL A CUSIP: 140543109 Symbol: CWGIX Initial purchase date: Nov 12, 2010 Client investment: \$670,980.25 Reinvested dividends: \$384,354.01 Investment return: \$900,360.52 (134.19%)	27,635.26	38.19	56.86	1,055,334.26	1,571,340.77	516,006.51	48.90%	20,173.74	1.28%	2.75%	1.72%
COLUMBIA SELIGMAN COMMUNICATION AND INFORMATION FUND A CUSIP: 19766H429 Symbol: SLMCX Initial purchase date: Oct 19, 2001 Client investment: \$165,000.00 Reinvested dividends: \$2,912,438.45 Investment return: \$5,810,953.08 (3521.79%)	56,228.39	54.73	106.28	3,077,438.45	5,975,953.08	2,898,514.63	94.19%	0.00	0.00%	10.45%	6.55%
Total Core				\$4,132,772.71	\$7,547,293.85	\$3,414,521.14	82.62%	\$20,173.74	0.27%	13.20%	8.27%
Total Global				\$4,132,772.71	\$7,547,293.85	\$3,414,521.14	82.62%	\$20,173.74	0.27%	13.20%	8.27%
Total Global				\$4,132,772.71	\$7,547,293.85	\$3,414,521.14	82.62%	\$20,173.74	0.27%	13.20%	8.27%
International											
Developed Markets											
Core											
CHUBB LTD CHF CUSIP: H1467J104 Symbol: CB Initial purchase date: Apr 13, 2016	1,000.00	121.66	147.83	121,658.43	147,830.00	26,171.57	21.51%	3,120.00	2.11%	0.26%	0.16%
DIAGEO PLC NEW GB SPON ADR CUSIP: 25243Q205 Symbol: DEO Initial purchase date: Feb 11, 2010	1,000.00	64.02	154.95	64,017.37	154,950.00	90,932.63	142.04%	3,534.92	2.28%	0.27%	0.17%
MEDTRONIC PLC CUSIP: G5960L103 Symbol: MDT Initial purchase date: Oct 09, 2019	1,165.00	107.77	113.70	125,550.50	132,460.50	6,910.00	5.50%	2,702.80	2.04%	0.23%	0.15%
Total Core				\$311,226.30	\$435,240.50	\$124,014.20	39.85%	\$9,357.72	2.15%	0.76%	0.48%
Growth											
CALL LINDE PLC EUR DUE 04/16/21 280.000 2621Y8 CUSIP: 99UBBV7M0 Symbol: LIN Initial purchase date: Nov 11, 2020	-10.00	84,481.6	655.00	-8,448.16	-6,550.00	1,898.16	22.47%	0.00	0.00%	-0.01%	-0.01%

Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
International											
Growth											
CLEARBRIDGE INTERNATIONAL GROWTH FUND CLASS I CUSIP: 524686524 Symbol: LMGNX Initial purchase date: Aug 12, 2020	61,736.91	58.59	64.03	3,616,886.15	3,953,014.22	336,128.07	9.29%	10,597.88	0.27%	6.92%	4.33%
LINDE PLC EUR CUSIP: G5494J103 Symbol: LIN Initial purchase date: Sep 09, 2004	4,000.00	163.46	256.42	653,820.00	1,025,680.00	371,860.00	56.87%	15,408.00	1.50%	1.79%	1.12%
Total Growth				\$4,262,257.99	\$4,972,144.22	\$709,886.23	16.66%	\$26,005.88	0.52%	8.70%	5.44%
Value											
CALL RIO TINTO PLC SPON DUE 04/16/21 67.500 4005C0 CUSIP: 99UBBWP9 Symbol: RIO Initial purchase date: Nov 11, 2020	-10.00	22,713.6	320.00	-2,271.36	-3,200.00	-928.64	-40.88%	0.00	0.00%	-0.01%	0.00%
RIO TINTO PLC SPON ADR CUSIP: 767204100 Symbol: RIO Initial purchase date: Sep 10, 2009	5,000.00	42.96	64.97	214,799.21	324,850.00	110,050.79	51.23%	19,300.00	5.94%	0.57%	0.35%
Total Value				\$212,527.85	\$321,650.00	\$109,122.15	51.34%	\$19,300.00	6.00%	0.56%	0.35%
Total Developed Markets				\$4,786,012.14	\$5,729,034.72	\$943,022.58	19.70%	\$54,663.60	0.95%	10.02%	6.27%
Emerging Markets											
Growth											
AMER FUNDS NEW WORLD FUND CLASS F2 CUSIP: 649280823 Symbol: NFFFX Initial purchase date: Feb 13, 2020	11,692.50	71.92	82.60	840,875.15	965,800.09	124,924.94	14.86%	11,014.33	1.14%	1.69%	1.06%
AMERICAN FUNDS NEW WORLD FUND CL A CUSIP: 649280104 Symbol: NEWFX Initial purchase date: Nov 12, 2015 Client investment: \$1,750,021.00 Reinvested dividends: \$188,857.74 Investment return: \$1,188,558.53 (67.92%)	35,550.20	54.54	82.66	1,938,878.74	2,938,579.53	999,700.79	51.56%	26,214.72	0.89%	5.14%	3.22%
Total Growth				\$2,779,753.89	\$3,904,379.62	\$1,124,625.73	40.46%	\$37,229.05	0.95%	6.83%	4.28%
Other											



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
International											
Other											
SAMSUNG ELECTRS LTD GDR (EACH REP 25 COM STK KRW100) REG.S *GB LINE* CUSIP: 7960509A2 Initial purchase date: Jun 13, 2014	170.00	659.22	1,506.94	112,067.61	256,179.12	144,111.51	128.59%	0.00	0.00%	0.45%	0.28%
Total Other				\$112,067.61	\$256,179.12	\$144,111.51	128.59%	\$0.00	0.00%	0.45%	0.28%
Total Emerging Markets				\$2,891,821.50	\$4,160,558.74	\$1,268,737.24	43.87%	\$37,229.05	0.89%	7.28%	4.56%
Total International				\$7,677,833.64	\$9,889,593.46	\$2,211,759.82	28.81%	\$91,892.65	0.93%	17.30%	10.83%
Total Equity				\$31,633,109.06	\$57,165,595.37	\$25,532,486.31	80.71%	\$680,735.95	1.19%	100.00%	62.62%
				Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of asset class	% of Portfolio
Total Portfolio				\$64,688,469.21	\$91,290,336.46	\$26,601,867.25	41.12%	\$1,569,390.96	1.72%	100%	100%

Total accrued interest (included in market values): \$1,296.34

* Balanced mutual funds are displayed in unbundled view



Additional information about your portfolio

as of November 30, 2020

Benchmark composition

Account TX XX595

Blended Index

Start - Current: 30% Barclays Govt/Credit Int; 70% MSCI AC World IMI - GR



Disclosures applicable to accounts at UBS Financial Services Inc.

This section contains important disclosures regarding the information and valuations presented here. All information presented is subject to change at any time and is provided only as of the date indicated. The information in this report is for informational purposes only and should not be relied upon as the basis of an investment or liquidation decision. UBS FS account statements and official tax documents are the only official record of your accounts and are not replaced, amended or superseded by any of the information presented in these reports. You should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise.

UBS FS offers a number of investment advisory programs to clients, acting in our capacity as an investment adviser, including fee-based financial planning, discretionary account management, non-discretionary investment advisory programs, and advice on the selection of investment managers and mutual funds offered through our investment advisory programs. When we act as your investment adviser, we will have a written agreement with you expressly acknowledging our investment advisory relationship with you and describing our obligations to you. At the beginning of our advisory relationship, we will give you our Form ADV brochure(s) for the program(s) you selected that provides detailed information about, among other things, the advisory services we provide, our fees, our personnel, our other business activities and financial industry affiliations and conflicts between our interests and your interests.

In our attempt to provide you with the highest quality information available, we have compiled this report using data obtained from recognized statistical sources and authorities in the financial industry. While we believe this information to be reliable, we cannot make any representations regarding its accuracy or completeness. Please keep this guide as your Advisory Review.

Please keep in mind that most investment objectives are long term. Although it is important to evaluate your portfolio's performance over multiple time periods, we believe the greatest emphasis should be placed on the longer period returns.

Please review the report content carefully and contact your Financial Advisor with any questions.

Client Accounts: This report may include all assets in the accounts listed and may include eligible and ineligible assets in a fee-based program. Since ineligible assets are not considered fee-based program assets, the inclusion of such securities will distort the actual performance of your accounts and does not reflect the performance of your accounts in the fee-based program. As a result, the performance reflected in this report can

vary substantially from the individual account performance reflected in the performance reports provided to you as part of those programs. For fee-based programs, fees are charged on the market value of eligible assets in the accounts and assessed quarterly in advance, prorated according to the number of calendar days in the billing period. When shown on a report, the risk profile and return objectives describe your overall goals for these accounts. For each account you maintain, you choose one return objective and a primary risk profile. If you have questions regarding these objectives or wish to change them, please contact your Financial Advisor to update your account records.

Performance: This report presents account activity and performance depending on which inception type you've chosen. The two options are: (1) All Assets (Since Performance Start): This presents performance for all assets since the earliest possible date; (2) Advisory Assets (Advisory Strategy Start) for individual advisory accounts: This presents Advisory level performance since the Latest Strategy Start date; If an account that has never been managed is included in the consolidated report, the total performance of that unmanaged account will be included since inception.

Time-weighted Returns for accounts / SWP/AAP sleeves (Monthly periods): The report displays a time weighted rate of return (TWR) that is calculated using the Modified Dietz Method. This calculation uses the beginning and ending portfolio values for the month and weights each contribution/withdrawal based upon the day the cash flow occurred. Periods greater than one month are calculated by linking the monthly returns. The TWR gives equal weighting to every return regardless of amount of money invested, so it is an effective measure for returns on a fee based account. All periods shown which are greater than 12 months are annualized. This applies to all performance for all assets before 09/30/2010, Advisory assets before 12/31/2010 and SWP sleeves before 04/30/2018.

Time-weighted Returns for accounts / SWP/AAP sleeves (Daily periods): The report displays a time weighted rate of return (TWR) that is calculated by dividing the portfolio's daily gain/loss by the previous day's closing market value plus the net value of cash flows that occurred during the day, if it was positive. The TWR gives equal weighting to every return regardless of amount of money invested, so it is an effective measure for returns on a fee based account. Periods greater than one day are calculated by linking the daily returns. All periods shown which are greater than 12 months are annualized. For reports generated prior to 01/26/2018, the performance calculations used the account's end of day value on the performance inception (listed in the report under the column "ITD") and all cash flows were posted at end of day. As a result of the change, the overall rate of return (TWR) and beginning market value displayed can vary from prior generated reports. This

applies to all performance for all assets on or after 09/30/2010, Advisory assets on or after 12/31/2010, SWP/AAP sleeves on or after 04/30/2018 as well as all Asset Class and Security level returns.

Money-weighted returns: Money-weighted return (MWR) is a measure of the rate of return for an asset or portfolio of assets. It is calculated by finding the daily Internal Rate of Return (IRR) for the period and then compounding this return by the number of days in the period being measured. The MWR incorporates the size and timing of cash flows, so it is an effective measure of returns on a portfolio.

Annualized Performance: All performance periods greater than one year are calculated (unless otherwise stated) on an annualized basis, which represents the return on an investment multiplied or divided to give a comparable one year return.

Cumulative Performance: A cumulative return is the aggregate amount that an investment has gained or lost over time, independent of the period of time involved.

Net of Fees and Gross of Fees Performance: Performance is presented on a "net of fees" and "gross of fees" basis, where indicated. Net returns do not reflect Program and wrap fees prior to 10/31/10 for accounts that are billed separately via invoice through a separate account billing arrangement. Gross returns do not reflect the deduction of fees, commissions or other charges. The payment of actual fees and expenses will reduce a client's return. The compound effect of such fees and expenses should be considered when reviewing returns. For example, the net effect of the deduction of fees on annualized performance, including the compounded effect over time, is determined by the relative size of the fee and the account's investment performance. It should also be noted that where gross returns are compared to an index, the index performance also does not reflect any transaction costs, which would lower the performance results. Market index data maybe subject to review and revision.

Benchmark/Major Indices: The past performance of an index is not a guarantee of future results. Any benchmark is shown for informational purposes only and relates to historical performance of market indices and not the performance of actual investments. Although most portfolios use indices as benchmarks, portfolios are actively managed and generally are not restricted to investing only in securities in the index. As a result, your portfolio holdings and performance may vary substantially from the index. Each index reflects an unmanaged universe of securities without any deduction for advisory fees or other expenses that would reduce actual returns, as well as the reinvestment of all income and dividends. An actual investment in the securities included in the index would require an investor to incur transaction costs, which would lower the performance

results. Indices are not actively managed and investors cannot invest directly in the indices. Market index data maybe subject to review and revision. Further, there is no guarantee that an investor's account will meet or exceed the stated benchmark. Index performance information has been obtained from third parties deemed to be reliable. We have not independently verified this information, nor do we make any representations or warranties to the accuracy or completeness of this information.

Blended Index - For Advisory accounts, Blended Index is designed to reflect the asset categories in which your account is invested. For Brokerage accounts, you have the option to select any benchmark from the list.

For certain products, the blended index represents the investment style corresponding to your client target allocation. If you change your client target allocation, your blended index will change in step with your change to your client target allocation.

Blended Index 2 - 8 - are optional indices selected by you which may consist of a blend of indexes. For advisory accounts, these indices are for informational purposes only. Depending on the selection, the benchmark selected may not be an appropriate basis for comparison of your portfolio based on its holdings.

Custom Time Periods: If represented on this report, the performance start date and the performance end date have been selected by your Financial Advisor in order to provide performance and account activity information for your account for the specified period of time only. As a result, only a portion of your account's activity and performance information is presented in the performance report, and, therefore, presents a distorted representation of your account's activity and performance.

Net Deposits/Withdrawals: When shown on a report, this information represents the net value of all cash and securities contributions and withdrawals, program fees (including wrap fees) and other fees added to or subtracted from your accounts from the first day to the last day of the period. When fees are shown separately, net deposits / withdrawals does not include program fees (including wrap fees). When investment return is displayed net deposits / withdrawals does not include program fees (including wrap fees). For security contributions and withdrawals, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts. Wrap fees will be included in this calculation except when paid via an invoice or through a separate accounts billing arrangement. When shown on Client summary and/or Portfolio review report, program fees (including wrap fees) may not be included in net deposits/withdrawals. PACE Program fees paid from sources other than your PACE account are treated as a contribution. A PACE



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

Program Fee rebate that is not reinvested is treated as a withdrawal.

Deposits: When shown on a report, this information represents the net value of all cash and securities contributions added to your accounts from the first day to the last day of the period. On Client Summary Report and/or Portfolio Review Report, this may exclude the Opening balance. For security contributions, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts.

Withdrawals: When shown on a report, this information represents the net value of all cash and securities withdrawals subtracted from your accounts from the first day to the last day of the period. On Client summary and/or portfolio review report Withdrawals may not include program fees (including wrap fees). For security withdrawals, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts.

Dividends/Interest: Dividend and interest earned, when shown on a report, does not reflect your account's tax status or reporting requirements. Use only official tax reporting documents (i.e. 1099) for tax reporting purposes. The classification of private investment distributions can only be determined by referring to the official year-end tax-reporting document provided by the issuer.

Change in Accrued Interest: When shown on a report, this information represents the difference between the accrued interest at the beginning of the period from the accrued interest at the end of the period.

Change in Value: Represents the change in value of the portfolio during the reporting period, excluding additions/withdrawals, dividend and interest income earned and accrued interest. Change in Value may include program fees (including wrap fees) and other fees.

Fees: Fees represented in this report include program and wrap fees. Program and wrap fees prior to October 1, 2010 for accounts that are billed separately via invoice through a separate account billing arrangement are not included in this report.

Performance Start Date Changes: The Performance Start Date for accounts marked with a 'A' have changed. Performance figures of an account with a changed Performance Start Date may not include the entire history of the account. The new Performance Start Date will generate performance returns and activity information for a shorter period than is available at UBS FS. As a result, the overall performance of these accounts may generate better performance than the period of time that would be included if the report used the inception date of the account. UBS FS recommends

reviewing performance reports that use the inception date of the account because reports with longer time frames are usually more helpful when evaluating investment programs and strategies. Performance reports may include accounts with inception dates that precede the new Performance Start Date and will show performance and activity information from the earliest available inception date.

The change in Performance Start Date may be the result of a performance gap due to a zero-balance that prevents the calculation of continuous returns from the inception of the account. The Performance Start Date may also change if an account has failed one of our performance data integrity tests. In such instances, the account will be labeled as 'Review Required' and performance prior to that failure will be restricted. Finally, the Performance Start Date will change if you have explicitly requested a performance restart. Please contact your Financial Advisor for additional details regarding your new Performance Start Date.

Closed Account Performance: Accounts that have been closed may be included in the consolidated performance report. When closed accounts are included in the consolidated report, the performance report will only include information for the time period the account was active during the consolidated performance reporting time period.

Portfolio: For purposes of this report "portfolio" is defined as all of the accounts presented on the cover page or the header of this report and does not necessarily include all of the client's accounts held at UBS FS or elsewhere.

Percentage: Portfolio (in the "% Portfolio / Total" column) includes all holdings held in the account(s) selected when this report was generated. Broad asset class (in the "% broad asset class" column) includes all holdings held in that broad asset class in the account(s) selected when this report was generated.

Tax lots: This report displays security tax lots as either one line item (i.e., lumped tax lots) or as separate tax lot level information. If you choose to display security tax lots as one line item, the total cost equals the total value of all tax lots. The unit cost is an average of the total cost divided by the total number of shares. If the shares were purchased in different lots, the unit price listed does not represent the actual cost paid for each lot. The unrealized gain/loss value is calculated by combining the total value of all tax lots plus or minus the total market value of the security.

If you choose to display tax lot level information as separate line items on the Portfolio Holdings report, the tax lot information may include information from sources other than UBS FS. The Firm does not independently verify or guarantee the accuracy or validity of any information provided by sources other

than UBS FS. As a result this information may not be accurate and is provided for informational purposes only. Clients should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise. See your monthly statement for additional information.

Pricing: All securities are priced using the closing price reported on the last business day preceding the date of this report. Every reasonable attempt has been made to accurately price securities; however, we make no warranty with respect to any security's price. Please refer to the back of the first page of your UBS FS account statement for important information regarding the pricing used for certain types of securities, the sources of pricing data and other qualifications concerning the pricing of securities. To determine the value of securities in your account, we generally rely on third party quotation services. If a price is unavailable or believed to be unreliable, we may determine the price in good faith and may use other sources such as the last recorded transaction. When securities are held at another custodian or if you hold illiquid or restricted securities for which there is no published price, we will generally rely on the value provided by the custodian or issuer of that security.

Cash: Cash on deposit at UBS Bank USA is protected by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 in principal and accrued interest per depositor for each ownership type. Deposits made in an individual's own name, joint name, or individual retirement account are each held in a separate type of ownership. Such deposits are not guaranteed by UBS FS. More information is available upon request.

Margin: The quantity value may indicate that all or part of this position is held on margin or held in the short account. When an account holds a debit balance, this debit balance is incorporated into the account's total market value and deducted from the total value. When calculating the percent of portfolio on each security, the percentage will be impacted by the total market value of the account. Therefore, if the account's market value is reduced by a debit value of a holding the percent of portfolio will be greater and if the account's market value is increased by a holding then the percent of portfolio will be less.

Mutual Fund Asset Allocation: If the option to unbundle balanced mutual funds is selected and if a fund's holdings data is available, mutual funds will be classified by the asset class, subclass, and style breakdown of their underlying holdings. Where a mutual fund or ETF contains equity holdings from multiple equity sectors, this report will proportionately allocate the underlying holdings of the fund to those sectors measured as a percentage of the total fund's asset value as of the date shown.

This information is supplied by Morningstar, Inc. on a daily basis to UBS FS based on data supplied by the fund which may not be current. Mutual funds change their portfolio holdings on a regular (often daily) basis. Accordingly, any analysis that includes mutual funds may not accurately reflect the current composition of these funds. If a fund's underlying holding data is not available, it will be classified based on its corresponding overall Morningstar classification. All data is as of the date indicated in the report.

All pooled investment vehicles (such as mutual funds, closed end mutual funds, and exchange traded funds) incorporate internal management and operation expenses, which are reflected in the performance returns. Please see relevant fund prospectus for more information. Please note, performance for mutual funds is inclusive of multiple share classes.

Ineligible Assets: We require that you hold and purchase only eligible managed assets in your advisory accounts. Please contact your Financial Advisor for a list of the eligible assets in your program. These reports may provide performance information for eligible and ineligible assets in a fee-based program. Since ineligible assets are not considered fee-based program assets, the inclusion of such securities will distort the actual performance of your advisory assets. As a result, the performance reflected in this report can vary substantially from the individual account performance reflected in the performance reports provided to you as part of those programs. For fee-based programs, fees are charged on the market value of eligible assets in the accounts and assessed quarterly in advance, prorated according to the number of calendar days in the billing period. Neither UBS nor your Financial Advisor will act as your investment adviser with respect to Ineligible Assets.

Equity Style: The Growth, Value and Core labels are determined by Morningstar. If an Equity Style is unclassified, it is due to non-availability of data required by Morningstar to assign it a particular style.

Equity Capitalization: Market Capitalization is determined by Morningstar. Equity securities are classified as Large Cap, Mid Cap or Small Cap by Morningstar. Unclassified securities are those for which no capitalization is available on Morningstar.

Equity Sectors: The Equity sector analysis may include a variety of accounts, each with different investment and risk parameters. As a result, the overweighting or underweighting in a particular sector or asset class should not be viewed as an isolated factor in making investment/liquidation decisions; but should be assessed on an account by account basis to determine the overall impact on the account's portfolio.

Classified Equity: Classified equities are defined as those equities for which the firm can confirm the specific



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

industry and sector of the underlying equity instrument.

Estimated Annual Income: The Estimated Annual Income is calculated by summing the previous four dividend/interest rates per share and multiplying by the quantity of shares held in the selected account(s) as of the End Date of Report. For savings product & sweep funds this value is not calculated and is displayed as 0.

Current Yield: Current yield is defined as the estimated annual income divided by the total market value.

Credit/Event Risk: Investments are subject to event risk and changes in credit quality of the issuer. Issuers can experience economic situations that may have adverse effects on the market value of their securities.

Interest Rate Risk: Bonds are subject to market value fluctuations as interest rates rise and fall. If sold prior to maturity, the price received for an issue may be less than the original purchase price.

Reinvestment Risk: Since most corporate issues pay interest semiannually, the coupon payments over the life of the bond can have a major impact on the bond's total return.

Accrued Interest: Interest that has accumulated between the most recent payment and the report date may be reflected in market values for interest bearing securities.

Gain/Loss: The gain/loss information may include calculations based upon non-UBS FS cost basis information. The Firm does not independently verify or guarantee the accuracy or validity of any information provided by sources other than UBS FS. In addition, if this report contains positions with unavailable cost basis, the gain/(loss) for these positions are excluded in the calculation for the Gain/(Loss). As a result these figures may not be accurate and are provided for informational purposes only. Clients should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise. Rely only on year-end tax forms when preparing your tax return. See your monthly statement for additional information.

The account listing may or may not include all of your accounts with UBS FS. The accounts included in this report are listed under the "Accounts included in this review" shown on the first page or listed at the top of each page. If an account number begins with "@" this denotes assets or liabilities held at other financial institutions. Information about these assets, including valuation, account type and cost basis, is based on the information you provided to us, or provided to us by third party data aggregators or custodians at your direction. We have not verified, and are not responsible for, the accuracy or completeness of this information.

Account name(s) displayed in this report and labels used for groupings of accounts can be customizable "nicknames" chosen by you to assist you with your recordkeeping or may have been included by your financial advisor for reference purposes only. The names used have no legal effect, are not intended to reflect any strategy, product, recommendation, investment objective or risk profile associated with your accounts or any group of accounts, and are not a promise or guarantee that wealth, or any financial results, can or will be achieved. All investments involve the risk of loss, including the risk of loss of the entire investment.

For more information about account or group names, or to make changes, contact your Financial Advisor.

Account changes: At UBS, we are committed to helping you work toward your financial goals. So that we may continue providing you with financial advice that is consistent with your investment objectives, please consider the following two questions:

- 1) Have there been any changes to your financial situation or investment objectives?
 - 2) Would you like to implement or modify any restrictions regarding the management of your account?
- If the answer to either question is "yes," it is important that you contact your Financial Advisor as soon as possible to discuss these changes. For MAC advisory accounts, please contact your investment manager directly if you would like to impose or change any investment restrictions on your account.

ADV disclosure: A complimentary copy of our current Form ADV Disclosure Brochure that describes the advisory program and related fees is available through your Financial Advisor. Please contact your Financial Advisor if you have any questions.

Important information for former Piper Jaffray and McDonald Investments clients: As an accommodation to former Piper Jaffray and McDonald Investments clients, these reports include performance history for their Piper Jaffray accounts prior to August 12, 2006 and McDonald Investments accounts prior to February 9, 2007, the date the respective accounts were converted to UBS FS. UBS FS has not independently verified this information nor do we make any representations or warranties as to the accuracy or completeness of that information and will not be liable to you if any such information is unavailable, delayed or inaccurate.

For insurance, annuities, and 529 Plans, UBS FS relies on information obtained from third party services it believes to be reliable. UBS FS does not independently verify or guarantee the accuracy or validity of any information provided by third parties. Information for insurance, annuities, and 529 Plans that has been provided by a third party service may not reflect the quantity and market value as of the previous business day. When

available, an "as of" date is included in the description.

Investors outside the U.S. are subject to securities and tax regulations within their applicable jurisdiction that are not addressed in this report. Nothing in this report shall be construed to be a solicitation to buy or offer to sell any security, product or service to any non-U.S. investor, nor shall any such security, product or service be solicited, offered or sold in any jurisdiction where such activity would be contrary to the securities laws or other local laws and regulations or would subject UBS to any registration requirement within such jurisdiction.

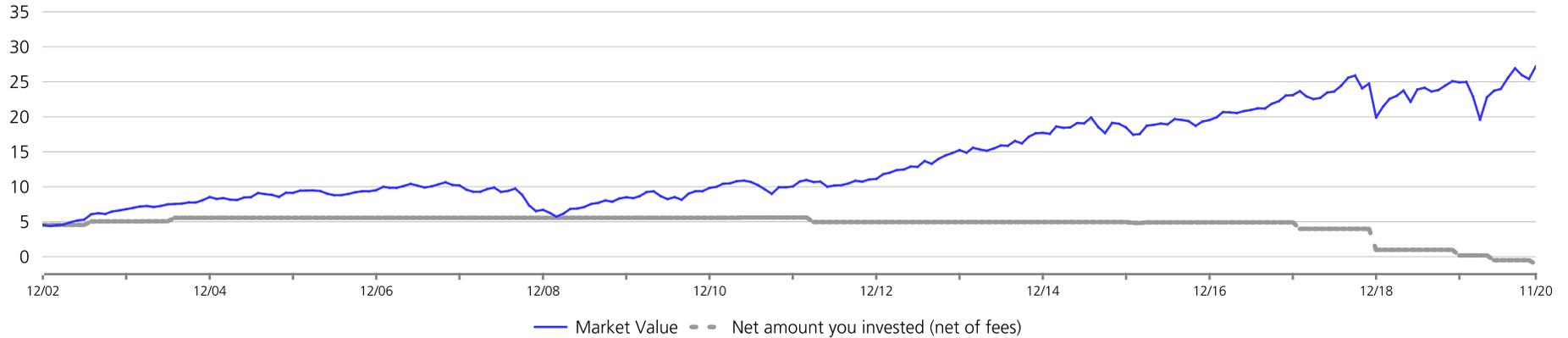
Performance History prior to the account's inception at UBS Financial Services, Inc. may have been included in this report and is based on data provided by third party sources. UBS Financial Services Inc. has not independently verified this information nor does UBS Financial Services Inc. guarantee the accuracy or validity of the information.

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Sources of portfolio value

as of November 30, 2020

\$ Millions



	MTD 10/31/2020 to 11/30/2020	QTD 09/30/2020 to 11/30/2020	YTD 12/31/2019 to 11/30/2020	1 Year 11/30/2019 to 11/30/2020	3 Years 11/30/2017 to 11/30/2020	5 Years 11/30/2015 to 11/30/2020	7 Years 11/30/2013 to 11/30/2020	10 Years 11/30/2010 to 11/30/2020	ITD 12/31/2002 to 11/30/2020
Opening value	25,395,883.25	25,954,902.12	24,925,322.41	25,073,775.06	23,029,857.52	19,003,755.49	14,824,097.08	9,367,179.48	4,545,750.56
Net deposits/withdrawals	-577,880.00	-577,880.00	-1,261,281.67	-2,059,150.67	-5,993,200.67	-6,031,200.67	-6,031,250.67	-6,639,282.34	-5,625,979.02
Div./interest income	15,983.14	33,298.77	240,495.45	272,506.58	826,750.22	1,283,963.61	1,628,428.43	2,001,064.08	2,647,285.39
Change in accr. interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Change in value	2,366,441.55	1,790,107.05	3,295,891.75	3,913,296.97	9,337,020.87	12,943,909.51	16,779,153.10	22,471,466.72	25,633,371.01
Closing value	27,200,427.94	27,200,427.94	27,200,427.94	27,200,427.94	27,200,427.94	27,200,427.94	27,200,427.94	27,200,427.94	27,200,427.94
Gross Time-weighted ROR	9.50	7.14	14.99	18.03	15.68	13.49	13.44	15.01	11.59
Net Time-weighted ROR	9.38	7.02	14.79	17.83	15.37	13.28	13.26	14.88	11.51

Performance returns are annualized after 1 year. Net deposits and withdrawals include program and account fees.

Benchmarks - Annualized time-weighted returns

Blended Index	9.04	7.33	10.45	13.26	8.13	9.13	7.32	8.02	8.20
US Treasury Bill - 3 Mos	0.01	0.02	0.54	0.68	1.55	1.13	0.81	0.59	1.26
Barclays Agg Bond	0.98	0.53	7.36	7.28	5.45	4.33	3.98	3.71	4.35
MSCI Emerging Markets-PR	9.21	11.37	8.11	15.87	2.44	8.15	2.43	1.14	8.23
Russell 2000	18.43	20.91	10.41	13.59	7.09	10.24	8.35	11.12	10.55
S&P 500	10.95	8.00	14.02	17.46	13.16	13.97	12.70	14.18	10.43

Blended Index:Start - Current: 30% Barclays Govt/Credit Int; 70% MSCI AC World IMI - GR

Past performance does not guarantee future results and current performance may be lower/higher than past data presented.



Portfolio holdings

as of November 30, 2020

Summary of Portfolio Holdings

TX XX600 • NAIC • Defined Benefit

Prepared for

CITY OF TROY

Risk profile:

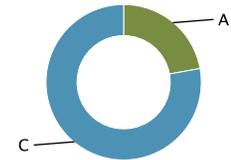
Moderate

Return Objective:

Current Income and Capital Appreciation

	Cost basis (\$)	Value on 11/30/2020 (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Portfolio
A Cash	6,029,633.70	6,029,633.70	0.00	0.00%	6,266.00	0.10%	22.17%
Cash	6,029,633.70	6,029,633.70	0.00	0.00%	6,266.00	0.10%	22.17%
US	6,029,633.70	6,029,633.70	0.00	0.00%	6,266.00	0.10%	22.17%
US Cash	6,029,633.70	6,029,633.70	0.00	0.00%	6,266.00	0.10%	22.17%
B Fixed Income	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
C Equity	8,344,016.24	21,170,794.24	12,826,778.00	153.72%	217,262.32	1.03%	77.83%
US	8,040,081.09	20,653,404.24	12,613,323.15	156.88%	217,262.32	1.05%	75.93%
Large Cap	3,720,942.88	12,217,432.24	8,496,489.36	228.34%	124,202.32	1.02%	44.92%
Core	1,505,745.89	5,351,542.28	3,845,796.39	255.41%	47,286.56	0.88%	19.67%
Growth	1,236,921.07	5,250,509.00	4,013,587.93	324.48%	31,644.00	0.60%	19.30%
Value	978,275.92	1,615,380.96	637,105.04	65.13%	45,271.76	2.80%	5.95%
Mid Cap	2,777,364.92	6,832,717.00	4,055,352.08	146.01%	64,450.00	0.94%	25.12%
Core	2,202,851.75	5,291,163.00	3,088,311.25	140.20%	46,600.00	0.88%	19.45%
Growth	338,561.25	1,241,704.00	903,142.75	266.76%	3,810.00	0.31%	4.57%
Public Real Estate	235,951.92	299,850.00	63,898.08	27.08%	14,040.00	4.68%	1.10%
Small Cap	1,541,773.29	1,603,255.00	61,481.71	3.99%	28,610.00	1.78%	5.89%
Core	952,668.89	1,064,530.00	111,861.11	11.74%	16,010.00	1.50%	3.91%
Value	589,104.40	538,725.00	-50,379.40	-8.55%	12,600.00	2.34%	1.98%
International	303,935.15	517,390.00	213,454.85	70.23%	0.00	0.00%	1.90%
International	84,933.90	273,240.00	188,306.10	221.71%	0.00	0.00%	1.00%
Core	84,933.90	273,240.00	188,306.10	221.71%	0.00	0.00%	1.00%
Developed Markets	219,001.25	244,150.00	25,148.75	11.48%	0.00	0.00%	0.90%
Core	219,001.25	244,150.00	25,148.75	11.48%	0.00	0.00%	0.90%
D Commodities	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
E Non-Traditional	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
F Other	0.00	0.00	0.00	0.00%	0.00	0.00%	0.00%
Total Portfolio	\$14,373,649.94	\$27,200,427.94	\$12,826,778.00	89.24%	\$223,528.32	0.82%	100%

Balanced mutual funds represented in multiple asset classes based on Morningstar allocations





Portfolio holdings - as of November 30, 2020 (continued)

Details of portfolio holdings

				Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of asset class	% of Portfolio
Total Portfolio				\$14,373,649.94	\$27,200,427.94	\$12,826,778.00	89.24%	\$223,528.32	0.82%	100%	100%
Cash											
Cash											
US											
US Cash											
LIQUID ASSETS GOVT FUND	6,029,633.70	1.00	1.00	6,029,633.70	6,029,633.70	0.00	0.00%	6,266.00	0.10%	100.00%	22.17%
CUSIP: 90262Y307 Symbol: MMLIRA											
Total US Cash				\$6,029,633.70	\$6,029,633.70	\$0.00	0.00%	\$6,266.00	0.10%	100.00%	22.17%
Total US				\$6,029,633.70	\$6,029,633.70	\$0.00	0.00%	\$6,266.00	0.10%	100.00%	22.17%
Total Cash				\$6,029,633.70	\$6,029,633.70	\$0.00	0.00%	\$6,266.00	0.10%	100.00%	22.17%
Total Cash				\$6,029,633.70	\$6,029,633.70	\$0.00	0.00%	\$6,266.00	0.10%	100.00%	22.17%
Equity											
US											
Large Cap											
Core											
ABBOTT LABS	9,224.00	31.23	108.22	288,067.67	998,221.28	710,153.61	246.52%	13,282.56	1.33%	4.72%	3.67%
CUSIP: 002824100 Symbol: ABT											
Initial purchase date: Sep 12, 2002											
APPLE INC	20,000.00	23.25	119.05	464,997.94	2,381,000.00	1,916,002.06	412.05%	16,400.00	0.69%	11.25%	8.75%
CUSIP: 037833100 Symbol: AAPL											
Initial purchase date: Jun 12, 2014											
AUTOMATIC DATA PROCESSNG INC	2,000.00	29.12	173.88	58,245.59	347,760.00	289,514.41	497.06%	7,440.00	2.14%	1.64%	1.28%
CUSIP: 053015103 Symbol: ADP											
Initial purchase date: Aug 01, 2002											
BLACKROCK INC	700.00	403.43	698.35	282,399.34	488,845.00	206,445.66	73.10%	10,164.00	2.08%	2.31%	1.80%
CUSIP: 09247X101 Symbol: BLK											
Initial purchase date: Jan 09, 2019											

Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Core											
BOOKING HLDGS INC CUSIP: 09857L108 Symbol: BKNG Initial purchase date: Feb 26, 2019	200.00	1,908.50	2,028.45	381,699.89	405,690.00	23,990.11	6.29%	0.00	0.00%	1.92%	1.49%
O REILLY AUTOMOTIVE INC CUSIP: 67103H107 Symbol: ORLY Initial purchase date: Jan 09, 2004	1,650.00	18.39	442.44	30,335.46	730,026.00	699,690.54	2,306.51%	0.00	0.00%	3.45%	2.68%
Total Core				\$1,505,745.89	\$5,351,542.28	\$3,845,796.39	255.41%	\$47,286.56	0.88%	25.28%	19.67%
Growth											
CROWN CASTLE INTL CORP REIT CUSIP: 22822V101 Symbol: CCI Initial purchase date: Nov 28, 2016	2,700.00	85.14	167.57	229,878.93	452,439.00	222,560.07	96.82%	14,364.00	3.17%	2.14%	1.66%
DANAHER CORP CUSIP: 235851102 Symbol: DHR Initial purchase date: Sep 12, 2002	8,000.00	11.05	224.63	88,427.98	1,797,040.00	1,708,612.02	1,932.21%	5,760.00	0.32%	8.49%	6.61%
FACEBOOK INC CL A CUSIP: 30303M102 Symbol: FB Initial purchase date: May 29, 2019	4,000.00	185.11	276.97	740,424.45	1,107,880.00	367,455.55	49.63%	0.00	0.00%	5.23%	4.07%
VISA INC CL A CUSIP: 92826C839 Symbol: V Initial purchase date: Mar 30, 2011	9,000.00	19.80	210.35	178,189.71	1,893,150.00	1,714,960.29	962.44%	11,520.00	0.61%	8.94%	6.96%
Total Growth				\$1,236,921.07	\$5,250,509.00	\$4,013,587.93	324.48%	\$31,644.00	0.60%	24.80%	19.30%
Value											
CENTENE CORP CUSIP: 15135B101 Symbol: CNC Initial purchase date: Mar 25, 2019	4,732.00	66.76	61.65	315,908.32	291,727.80	-24,180.52	-7.65%	0.00	0.00%	1.38%	1.07%
CIGNA CORP CUSIP: 125523100 Symbol: CI Initial purchase date: Jun 07, 2011	394.00	182.19	209.14	71,780.89	82,401.16	10,620.27	14.80%	15.76	0.02%	0.39%	0.32%
COMCAST CORP NEW CL A CUSIP: 20030N101 Symbol: CMCSA Initial purchase date: Jan 09, 2019	7,800.00	36.14	50.24	281,865.28	391,872.00	110,006.72	39.03%	7,176.00	1.83%	1.85%	1.44%
GILEAD SCIENCES INC CUSIP: 375558103 Symbol: GILD Initial purchase date: Dec 16, 2008	14,000.00	22.05	60.67	308,721.43	849,380.00	540,658.57	175.13%	38,080.00	4.48%	4.01%	3.12%
Total Value				\$978,275.92	\$1,615,380.96	\$637,105.04	65.13%	\$45,271.76	2.80%	7.63%	5.95%
Total Large Cap				\$3,720,942.88	\$12,217,432.24	\$8,496,489.36	228.34%	\$124,202.32	1.02%	57.71%	44.92%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Mid Cap											
Core											
AMETEK INC (NEW) CUSIP: 031100100 Symbol: AME Initial purchase date: Mar 06, 2017	2,500.00	55.08	118.53	137,689.36	296,325.00	158,635.64	115.21%	1,800.00	0.61%	1.40%	1.09%
CARMAX INC CUSIP: 143130102 Symbol: KMX Initial purchase date: Jun 12, 2014	5,000.00	44.47	93.48	222,371.77	467,400.00	245,028.23	110.19%	0.00	0.00%	2.21%	1.72%
D R HORTON INC CUSIP: 23331A109 Symbol: DHI Initial purchase date: Jan 09, 2019	7,000.00	40.09	74.50	280,621.20	521,500.00	240,878.80	85.84%	5,600.00	1.07%	2.46%	1.92%
F5 NETWORKS INC CUSIP: 315616102 Symbol: FFIV Initial purchase date: Mar 02, 2015	5,800.00	118.85	162.81	689,354.72	944,298.00	254,943.28	36.98%	0.00	0.00%	4.46%	3.47%
FASTENAL CO CUSIP: 311900104 Symbol: FAST Initial purchase date: Sep 27, 2000	16,000.00	3.63	49.45	58,125.00	791,200.00	733,075.00	1,261.20%	16,000.00	2.02%	3.74%	2.91%
GENTEX CORP CUSIP: 371901109 Symbol: GNTX Initial purchase date: Mar 02, 2015	5,000.00	17.82	32.60	89,080.35	163,000.00	73,919.65	82.98%	2,400.00	1.47%	0.77%	0.60%
LKQ CORP NEW CUSIP: 501889208 Symbol: LKQ Initial purchase date: Dec 10, 2009	4,000.00	9.25	35.22	36,990.75	140,880.00	103,889.25	280.85%	0.00	0.00%	0.67%	0.52%
SKYWORKS SOLUTIONS INC CUSIP: 83088M102 Symbol: SWKS Initial purchase date: Feb 26, 2019	4,000.00	83.16	141.17	332,628.80	564,680.00	232,051.20	69.76%	8,000.00	1.42%	2.67%	2.08%
TRACTOR SUPPLY COMPANY CUSIP: 892356106 Symbol: TSCO Initial purchase date: Apr 14, 2008	8,000.00	9.12	140.81	72,965.85	1,126,480.00	1,053,514.15	1,443.85%	12,800.00	1.14%	5.32%	4.13%
ULTA BEAUTY, INC CUSIP: 903845303 Symbol: ULTA Initial purchase date: Jan 09, 2019	1,000.00	283.02	275.40	283,023.95	275,400.00	-7,623.95	-2.69%	0.00	0.00%	1.30%	1.01%
Total Core				\$2,202,851.75	\$5,291,163.00	\$3,088,311.25	140.20%	\$46,600.00	0.88%	24.98%	19.45%
Growth											
COGNEX CORP CUSIP: 192422103 Symbol: CGNX Initial purchase date: Jun 07, 2011	8,000.00	8.42	75.14	67,345.65	601,120.00	533,774.35	792.59%	1,920.00	0.32%	2.84%	2.21%
OLD DOMINION FREIGHT LINES INC CUSIP: 679580100 Symbol: ODFL Initial purchase date: Jan 09, 2019	3,150.00	86.10	203.36	271,215.60	640,584.00	369,368.40	136.19%	1,890.00	0.30%	3.03%	2.36%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Growth											
Total Growth				\$338,561.25	\$1,241,704.00	\$903,142.75	266.76%	\$3,810.00	0.31%	5.87%	4.57%
Public Real Estate											
REALTY INCOME CORP MD SBI CUSIP: 756109104 Symbol: O Initial purchase date: May 26, 2015	5,000.00	47.19	59.97	235,951.92	299,850.00	63,898.08	27.08%	14,040.00	4.68%	1.42%	1.10%
Total Public Real Estate				\$235,951.92	\$299,850.00	\$63,898.08	27.08%	\$14,040.00	4.68%	1.42%	1.10%
Total Mid Cap				\$2,777,364.92	\$6,832,717.00	\$4,055,352.08	146.01%	\$64,450.00	0.94%	32.27%	25.12%
Small Cap											
Core											
EAST WEST BANCORP INC CUSIP: 27579R104 Symbol: EWBC Initial purchase date: Jan 09, 2019	5,500.00	47.90	42.72	263,460.51	234,960.00	-28,500.51	-10.82%	6,050.00	2.57%	1.11%	0.86%
META FINANCIAL GROUP INC CUSIP: 59100U108 Symbol: CASH Initial purchase date: Feb 19, 2019	5,000.00	25.65	33.10	128,234.81	165,500.00	37,265.19	29.06%	1,000.00	0.60%	0.78%	0.61%
PATRICK INDUST INC CUSIP: 703343103 Symbol: PATK Initial purchase date: Jan 09, 2019	8,000.00	35.72	63.04	285,733.51	504,320.00	218,586.49	76.50%	8,960.00	1.78%	2.38%	1.85%
SUPERNUS PHARMACEUTICALS INC CUSIP: 868459108 Symbol: SUPN Initial purchase date: Jan 09, 2019	7,500.00	36.70	21.30	275,240.06	159,750.00	-115,490.06	-41.96%	0.00	0.00%	0.75%	0.59%
Total Core				\$952,668.89	\$1,064,530.00	\$111,861.11	11.74%	\$16,010.00	1.50%	5.03%	3.91%
Value											
KAR AUCTION SVCS INC CUSIP: 48238T109 Symbol: KAR Initial purchase date: Nov 30, 2015	5,000.00	14.97	18.05	74,834.68	90,250.00	15,415.32	20.60%	0.00	0.00%	0.43%	0.33%
SIGNATURE BANK NEW YORK N Y CUSIP: 82669G104 Symbol: SBNY Initial purchase date: Jan 09, 2019	2,500.00	111.91	112.19	279,777.82	280,475.00	697.18	0.25%	5,600.00	2.00%	1.32%	1.03%
TCF FINL CORP NEW CUSIP: 872307103 Symbol: TCF Initial purchase date: Feb 26, 2019	5,000.00	46.90	33.60	234,491.90	168,000.00	-66,491.90	-28.36%	7,000.00	4.17%	0.79%	0.62%
Total Value				\$589,104.40	\$538,725.00	\$-50,379.40	-8.55%	\$12,600.00	2.34%	2.55%	1.98%
Total Small Cap				\$1,541,773.29	\$1,603,255.00	\$61,481.71	3.99%	\$28,610.00	1.78%	7.58%	5.89%



Portfolio holdings - as of November 30, 2020 (continued)

Equity	Quantity	Purchase price (\$) / Avg Price	Price on 11/30/2020 (\$)	Cost basis (\$)	Market value (\$)	Unrealized gain/loss (\$)	Unrealized gain/loss (%)	Est. annual income (\$)	Current yield (%)	% of Equity	% of Portfolio
US											
Total US				\$8,040,081.09	\$20,653,404.24	\$12,613,323.15	156.88%	\$217,262.32	1.05%	97.56%	75.93%
International											
International Core											
FABRINET CUSIP: G3323L100 Symbol: FN Initial purchase date: Mar 30, 2011	4,000.00	21.23	68.31	84,933.90	273,240.00	188,306.10	221.71%	0.00	0.00%	1.29%	1.00%
Total Core				\$84,933.90	\$273,240.00	\$188,306.10	221.71%	\$0.00	0.00%	1.29%	1.00%
Total International				\$84,933.90	\$273,240.00	\$188,306.10	221.71%	\$0.00	0.00%	1.29%	1.00%
Developed Markets											
Developed Markets Core											
SENSATA TECHNOLOGIES HLDG PLC EUR CUSIP: G8060N102 Symbol: ST Initial purchase date: May 29, 2019	5,000.00	43.80	48.83	219,001.25	244,150.00	25,148.75	11.48%	0.00	0.00%	1.15%	0.90%
Total Core				\$219,001.25	\$244,150.00	\$25,148.75	11.48%	\$0.00	0.00%	1.15%	0.90%
Total Developed Markets				\$219,001.25	\$244,150.00	\$25,148.75	11.48%	\$0.00	0.00%	1.15%	0.90%
Total International				\$303,935.15	\$517,390.00	\$213,454.85	70.23%	\$0.00	0.00%	2.44%	1.90%
Total Equity				\$8,344,016.24	\$21,170,794.24	\$12,826,778.00	153.72%	\$217,262.32	1.03%	100.00%	77.83%
Total Portfolio				\$14,373,649.94	\$27,200,427.94	\$12,826,778.00	89.24%	\$223,528.32	0.82%	100%	100%

Total accrued interest (included in market values): \$0.00

* Balanced mutual funds are displayed in unbundled view



Additional information about your portfolio

as of November 30, 2020

Benchmark composition

Account TX XX600

Blended Index

Start - Current: 30% Barclays Govt/Credit Int; 70% MSCI AC World IMI - GR



Disclosures applicable to accounts at UBS Financial Services Inc.

This section contains important disclosures regarding the information and valuations presented here. All information presented is subject to change at any time and is provided only as of the date indicated. The information in this report is for informational purposes only and should not be relied upon as the basis of an investment or liquidation decision. UBS FS account statements and official tax documents are the only official record of your accounts and are not replaced, amended or superseded by any of the information presented in these reports. You should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise.

UBS FS offers a number of investment advisory programs to clients, acting in our capacity as an investment adviser, including fee-based financial planning, discretionary account management, non-discretionary investment advisory programs, and advice on the selection of investment managers and mutual funds offered through our investment advisory programs. When we act as your investment adviser, we will have a written agreement with you expressly acknowledging our investment advisory relationship with you and describing our obligations to you. At the beginning of our advisory relationship, we will give you our Form ADV brochure(s) for the program(s) you selected that provides detailed information about, among other things, the advisory services we provide, our fees, our personnel, our other business activities and financial industry affiliations and conflicts between our interests and your interests.

In our attempt to provide you with the highest quality information available, we have compiled this report using data obtained from recognized statistical sources and authorities in the financial industry. While we believe this information to be reliable, we cannot make any representations regarding its accuracy or completeness. Please keep this guide as your Advisory Review.

Please keep in mind that most investment objectives are long term. Although it is important to evaluate your portfolio's performance over multiple time periods, we believe the greatest emphasis should be placed on the longer period returns.

Please review the report content carefully and contact your Financial Advisor with any questions.

Client Accounts: This report may include all assets in the accounts listed and may include eligible and ineligible assets in a fee-based program. Since ineligible assets are not considered fee-based program assets, the inclusion of such securities will distort the actual performance of your accounts and does not reflect the performance of your accounts in the fee-based program. As a result, the performance reflected in this report can

vary substantially from the individual account performance reflected in the performance reports provided to you as part of those programs. For fee-based programs, fees are charged on the market value of eligible assets in the accounts and assessed quarterly in advance, prorated according to the number of calendar days in the billing period. When shown on a report, the risk profile and return objectives describe your overall goals for these accounts. For each account you maintain, you choose one return objective and a primary risk profile. If you have questions regarding these objectives or wish to change them, please contact your Financial Advisor to update your account records.

Performance: This report presents account activity and performance depending on which inception type you've chosen. The two options are: (1) All Assets (Since Performance Start): This presents performance for all assets since the earliest possible date; (2) Advisory Assets (Advisory Strategy Start) for individual advisory accounts: This presents Advisory level performance since the Latest Strategy Start date; If an account that has never been managed is included in the consolidated report, the total performance of that unmanaged account will be included since inception.

Time-weighted Returns for accounts / SWP/AAP sleeves (Monthly periods): The report displays a time weighted rate of return (TWR) that is calculated using the Modified Dietz Method. This calculation uses the beginning and ending portfolio values for the month and weights each contribution/withdrawal based upon the day the cash flow occurred. Periods greater than one month are calculated by linking the monthly returns. The TWR gives equal weighting to every return regardless of amount of money invested, so it is an effective measure for returns on a fee based account. All periods shown which are greater than 12 months are annualized. This applies to all performance for all assets before 09/30/2010, Advisory assets before 12/31/2010 and SWP sleeves before 04/30/2018.

Time-weighted Returns for accounts / SWP/AAP sleeves (Daily periods): The report displays a time weighted rate of return (TWR) that is calculated by dividing the portfolio's daily gain/loss by the previous day's closing market value plus the net value of cash flows that occurred during the day, if it was positive. The TWR gives equal weighting to every return regardless of amount of money invested, so it is an effective measure for returns on a fee based account. Periods greater than one day are calculated by linking the daily returns. All periods shown which are greater than 12 months are annualized. For reports generated prior to 01/26/2018, the performance calculations used the account's end of day value on the performance inception (listed in the report under the column "ITD") and all cash flows were posted at end of day. As a result of the change, the overall rate of return (TWR) and beginning market value displayed can vary from prior generated reports. This

applies to all performance for all assets on or after 09/30/2010, Advisory assets on or after 12/31/2010, SWP/AAP sleeves on or after 04/30/2018 as well as all Asset Class and Security level returns.

Money-weighted returns: Money-weighted return (MWR) is a measure of the rate of return for an asset or portfolio of assets. It is calculated by finding the daily Internal Rate of Return (IRR) for the period and then compounding this return by the number of days in the period being measured. The MWR incorporates the size and timing of cash flows, so it is an effective measure of returns on a portfolio.

Annualized Performance: All performance periods greater than one year are calculated (unless otherwise stated) on an annualized basis, which represents the return on an investment multiplied or divided to give a comparable one year return.

Cumulative Performance: A cumulative return is the aggregate amount that an investment has gained or lost over time, independent of the period of time involved.

Net of Fees and Gross of Fees Performance: Performance is presented on a "net of fees" and "gross of fees" basis, where indicated. Net returns do not reflect Program and wrap fees prior to 10/31/10 for accounts that are billed separately via invoice through a separate account billing arrangement. Gross returns do not reflect the deduction of fees, commissions or other charges. The payment of actual fees and expenses will reduce a client's return. The compound effect of such fees and expenses should be considered when reviewing returns. For example, the net effect of the deduction of fees on annualized performance, including the compounded effect over time, is determined by the relative size of the fee and the account's investment performance. It should also be noted that where gross returns are compared to an index, the index performance also does not reflect any transaction costs, which would lower the performance results. Market index data maybe subject to review and revision.

Benchmark/Major Indices: The past performance of an index is not a guarantee of future results. Any benchmark is shown for informational purposes only and relates to historical performance of market indices and not the performance of actual investments. Although most portfolios use indices as benchmarks, portfolios are actively managed and generally are not restricted to investing only in securities in the index. As a result, your portfolio holdings and performance may vary substantially from the index. Each index reflects an unmanaged universe of securities without any deduction for advisory fees or other expenses that would reduce actual returns, as well as the reinvestment of all income and dividends. An actual investment in the securities included in the index would require an investor to incur transaction costs, which would lower the performance

results. Indices are not actively managed and investors cannot invest directly in the indices. Market index data maybe subject to review and revision. Further, there is no guarantee that an investor's account will meet or exceed the stated benchmark. Index performance information has been obtained from third parties deemed to be reliable. We have not independently verified this information, nor do we make any representations or warranties to the accuracy or completeness of this information.

Blended Index - For Advisory accounts, Blended Index is designed to reflect the asset categories in which your account is invested. For Brokerage accounts, you have the option to select any benchmark from the list.

For certain products, the blended index represents the investment style corresponding to your client target allocation. If you change your client target allocation, your blended index will change in step with your change to your client target allocation.

Blended Index 2 - 8 - are optional indices selected by you which may consist of a blend of indexes. For advisory accounts, these indices are for informational purposes only. Depending on the selection, the benchmark selected may not be an appropriate basis for comparison of your portfolio based on its holdings.

Custom Time Periods: If represented on this report, the performance start date and the performance end date have been selected by your Financial Advisor in order to provide performance and account activity information for your account for the specified period of time only. As a result, only a portion of your account's activity and performance information is presented in the performance report, and, therefore, presents a distorted representation of your account's activity and performance.

Net Deposits/Withdrawals: When shown on a report, this information represents the net value of all cash and securities contributions and withdrawals, program fees (including wrap fees) and other fees added to or subtracted from your accounts from the first day to the last day of the period. When fees are shown separately, net deposits / withdrawals does not include program fees (including wrap fees). When investment return is displayed net deposits / withdrawals does not include program fees (including wrap fees). For security contributions and withdrawals, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts. Wrap fees will be included in this calculation except when paid via an invoice or through a separate accounts billing arrangement. When shown on Client summary and/or Portfolio review report, program fees (including wrap fees) may not be included in net deposits/withdrawals. PACE Program fees paid from sources other than your PACE account are treated as a contribution. A PACE



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

Program Fee rebate that is not reinvested is treated as a withdrawal.

Deposits: When shown on a report, this information represents the net value of all cash and securities contributions added to your accounts from the first day to the last day of the period. On Client Summary Report and/or Portfolio Review Report, this may exclude the Opening balance. For security contributions, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts.

Withdrawals: When shown on a report, this information represents the net value of all cash and securities withdrawals subtracted from your accounts from the first day to the last day of the period. On Client summary and/or portfolio review report Withdrawals may not include program fees (including wrap fees). For security withdrawals, securities are calculated using the end of day UBS FS price on the day securities are delivered in or out of the accounts.

Dividends/Interest: Dividend and interest earned, when shown on a report, does not reflect your account's tax status or reporting requirements. Use only official tax reporting documents (i.e. 1099) for tax reporting purposes. The classification of private investment distributions can only be determined by referring to the official year-end tax-reporting document provided by the issuer.

Change in Accrued Interest: When shown on a report, this information represents the difference between the accrued interest at the beginning of the period from the accrued interest at the end of the period.

Change in Value: Represents the change in value of the portfolio during the reporting period, excluding additions/withdrawals, dividend and interest income earned and accrued interest. Change in Value may include program fees (including wrap fees) and other fees.

Fees: Fees represented in this report include program and wrap fees. Program and wrap fees prior to October 1, 2010 for accounts that are billed separately via invoice through a separate account billing arrangement are not included in this report.

Performance Start Date Changes: The Performance Start Date for accounts marked with a 'A' have changed. Performance figures of an account with a changed Performance Start Date may not include the entire history of the account. The new Performance Start Date will generate performance returns and activity information for a shorter period than is available at UBS FS. As a result, the overall performance of these accounts may generate better performance than the period of time that would be included if the report used the inception date of the account. UBS FS recommends

reviewing performance reports that use the inception date of the account because reports with longer time frames are usually more helpful when evaluating investment programs and strategies. Performance reports may include accounts with inception dates that precede the new Performance Start Date and will show performance and activity information from the earliest available inception date.

The change in Performance Start Date may be the result of a performance gap due to a zero-balance that prevents the calculation of continuous returns from the inception of the account. The Performance Start Date may also change if an account has failed one of our performance data integrity tests. In such instances, the account will be labeled as 'Review Required' and performance prior to that failure will be restricted. Finally, the Performance Start Date will change if you have explicitly requested a performance restart. Please contact your Financial Advisor for additional details regarding your new Performance Start Date.

Closed Account Performance: Accounts that have been closed may be included in the consolidated performance report. When closed accounts are included in the consolidated report, the performance report will only include information for the time period the account was active during the consolidated performance reporting time period.

Portfolio: For purposes of this report "portfolio" is defined as all of the accounts presented on the cover page or the header of this report and does not necessarily include all of the client's accounts held at UBS FS or elsewhere.

Percentage: Portfolio (in the "% Portfolio / Total" column) includes all holdings held in the account(s) selected when this report was generated. Broad asset class (in the "% broad asset class" column) includes all holdings held in that broad asset class in the account(s) selected when this report was generated.

Tax lots: This report displays security tax lots as either one line item (i.e., lumped tax lots) or as separate tax lot level information. If you choose to display security tax lots as one line item, the total cost equals the total value of all tax lots. The unit cost is an average of the total cost divided by the total number of shares. If the shares were purchased in different lots, the unit price listed does not represent the actual cost paid for each lot. The unrealized gain/loss value is calculated by combining the total value of all tax lots plus or minus the total market value of the security.

If you choose to display tax lot level information as separate line items on the Portfolio Holdings report, the tax lot information may include information from sources other than UBS FS. The Firm does not independently verify or guarantee the accuracy or validity of any information provided by sources other

than UBS FS. As a result this information may not be accurate and is provided for informational purposes only. Clients should not rely on this information in making purchase or sell decisions, for tax purposes or otherwise. See your monthly statement for additional information.

Pricing: All securities are priced using the closing price reported on the last business day preceding the date of this report. Every reasonable attempt has been made to accurately price securities; however, we make no warranty with respect to any security's price. Please refer to the back of the first page of your UBS FS account statement for important information regarding the pricing used for certain types of securities, the sources of pricing data and other qualifications concerning the pricing of securities. To determine the value of securities in your account, we generally rely on third party quotation services. If a price is unavailable or believed to be unreliable, we may determine the price in good faith and may use other sources such as the last recorded transaction. When securities are held at another custodian or if you hold illiquid or restricted securities for which there is no published price, we will generally rely on the value provided by the custodian or issuer of that security.

Cash: Cash on deposit at UBS Bank USA is protected by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 in principal and accrued interest per depositor for each ownership type. Deposits made in an individual's own name, joint name, or individual retirement account are each held in a separate type of ownership. Such deposits are not guaranteed by UBS FS. More information is available upon request.

Margin: The quantity value may indicate that all or part of this position is held on margin or held in the short account. When an account holds a debit balance, this debit balance is incorporated into the account's total market value and deducted from the total value. When calculating the percent of portfolio on each security, the percentage will be impacted by the total market value of the account. Therefore, if the account's market value is reduced by a debit value of a holding the percent of portfolio will be greater and if the account's market value is increased by a holding then the percent of portfolio will be less.

Mutual Fund Asset Allocation: If the option to unbundle balanced mutual funds is selected and if a fund's holdings data is available, mutual funds will be classified by the asset class, subclass, and style breakdown of their underlying holdings. Where a mutual fund or ETF contains equity holdings from multiple equity sectors, this report will proportionately allocate the underlying holdings of the fund to those sectors measured as a percentage of the total fund's asset value as of the date shown.

This information is supplied by Morningstar, Inc. on a daily basis to UBS FS based on data supplied by the fund which may not be current. Mutual funds change their portfolio holdings on a regular (often daily) basis. Accordingly, any analysis that includes mutual funds may not accurately reflect the current composition of these funds. If a fund's underlying holding data is not available, it will be classified based on its corresponding overall Morningstar classification. All data is as of the date indicated in the report.

All pooled investment vehicles (such as mutual funds, closed end mutual funds, and exchange traded funds) incorporate internal management and operation expenses, which are reflected in the performance returns. Please see relevant fund prospectus for more information. Please note, performance for mutual funds is inclusive of multiple share classes.

Ineligible Assets: We require that you hold and purchase only eligible managed assets in your advisory accounts. Please contact your Financial Advisor for a list of the eligible assets in your program. These reports may provide performance information for eligible and ineligible assets in a fee-based program. Since ineligible assets are not considered fee-based program assets, the inclusion of such securities will distort the actual performance of your advisory assets. As a result, the performance reflected in this report can vary substantially from the individual account performance reflected in the performance reports provided to you as part of those programs. For fee-based programs, fees are charged on the market value of eligible assets in the accounts and assessed quarterly in advance, prorated according to the number of calendar days in the billing period. Neither UBS nor your Financial Advisor will act as your investment adviser with respect to Ineligible Assets.

Equity Style: The Growth, Value and Core labels are determined by Morningstar. If an Equity Style is unclassified, it is due to non-availability of data required by Morningstar to assign it a particular style.

Equity Capitalization: Market Capitalization is determined by Morningstar. Equity securities are classified as Large Cap, Mid Cap or Small Cap by Morningstar. Unclassified securities are those for which no capitalization is available on Morningstar.

Equity Sectors: The Equity sector analysis may include a variety of accounts, each with different investment and risk parameters. As a result, the overweighting or underweighting in a particular sector or asset class should not be viewed as an isolated factor in making investment/liquidation decisions; but should be assessed on an account by account basis to determine the overall impact on the account's portfolio.

Classified Equity: Classified equities are defined as those equities for which the firm can confirm the specific



Disclosures applicable to accounts at UBS Financial Services Inc. (continued)

industry and sector of the underlying equity instrument.

Estimated Annual Income: The Estimated Annual Income is calculated by summing the previous four dividend/interest rates per share and multiplying by the quantity of shares held in the selected account(s) as of the End Date of Report. For savings product & sweep funds this value is not calculated and is displayed as 0.

Current Yield: Current yield is defined as the estimated annual income divided by the total market value.

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 - 2) Would you like to implement or modify any restrictions regarding the management of your account?
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Year Ahead 2021

UBS House View

US

Chief Investment Office GWM
Investment Research



A Year of Renewal

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the end of the document.



Foreword

Welcome to the *Year Ahead 2021*.

In a “Year of Renewal” we will see a world that is steadily returning to normal, despite continued uncertainty, while also rapidly accelerating into a transformed future.

If investing in 2020 was about going resilient, large, and American, we think 2021 will be about going cyclical, small, and global as the sectors and markets most heavily affected by lockdowns start to revive.

At the same time, as the economy accelerates into the future, investors with an eye on the long term will need to add exposure to the disruptors making our world more digital and sustainable, most notably in greentech, fintech, and healthtech, and among the beneficiaries of 5G rollouts.

We hope that this *Year Ahead 2021* provides greater perspective on the investment implications of our fast-changing world. We look forward to working together to help shape your portfolio for the future.



A handwritten signature in black ink, appearing to read 'Iqbal Khan'.

Iqbal Khan



A handwritten signature in black ink, appearing to read 'Tom Naratil'.

Tom Naratil



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What's next for US tech?

How should I think about my country allocation?



To find out more about the Year Ahead 2021, visit ubs.com/year-ahead



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Summary

Our view and investment ideas

The recovery

Our view

We expect the wide-scale rollout of a vaccine in the first half of 2021 to enable global output and corporate earnings to return to pre-pandemic highs by the end of the year.

Investment ideas

- Diversify for the next leg with exposure to global equities, cyclicals with catch-up potential, and long-term winners.
- Rebalance out of US large-caps and global consumer staples.

The US

Our view

We think new political leadership will mean additional fiscal stimulus and more predictable policymaking, shifting market leadership accordingly.

Investment ideas

- US mid-caps and industrials should see higher earnings growth than US large-caps.
- Position for a weaker dollar by diversifying exposure across G10 currencies.

Interest rates

Our view

We anticipate few inflationary threats in 2021, and expect interest rates to remain low for the foreseeable future.

Investment ideas

- Hunt for yield in select crossover bonds, emerging market USD-denominated sovereign bonds, and Asia high yield. Alternative means of income include selling volatility and employing leverage.
- Diversify out of low-yielding cash and bonds.

Long-term investing

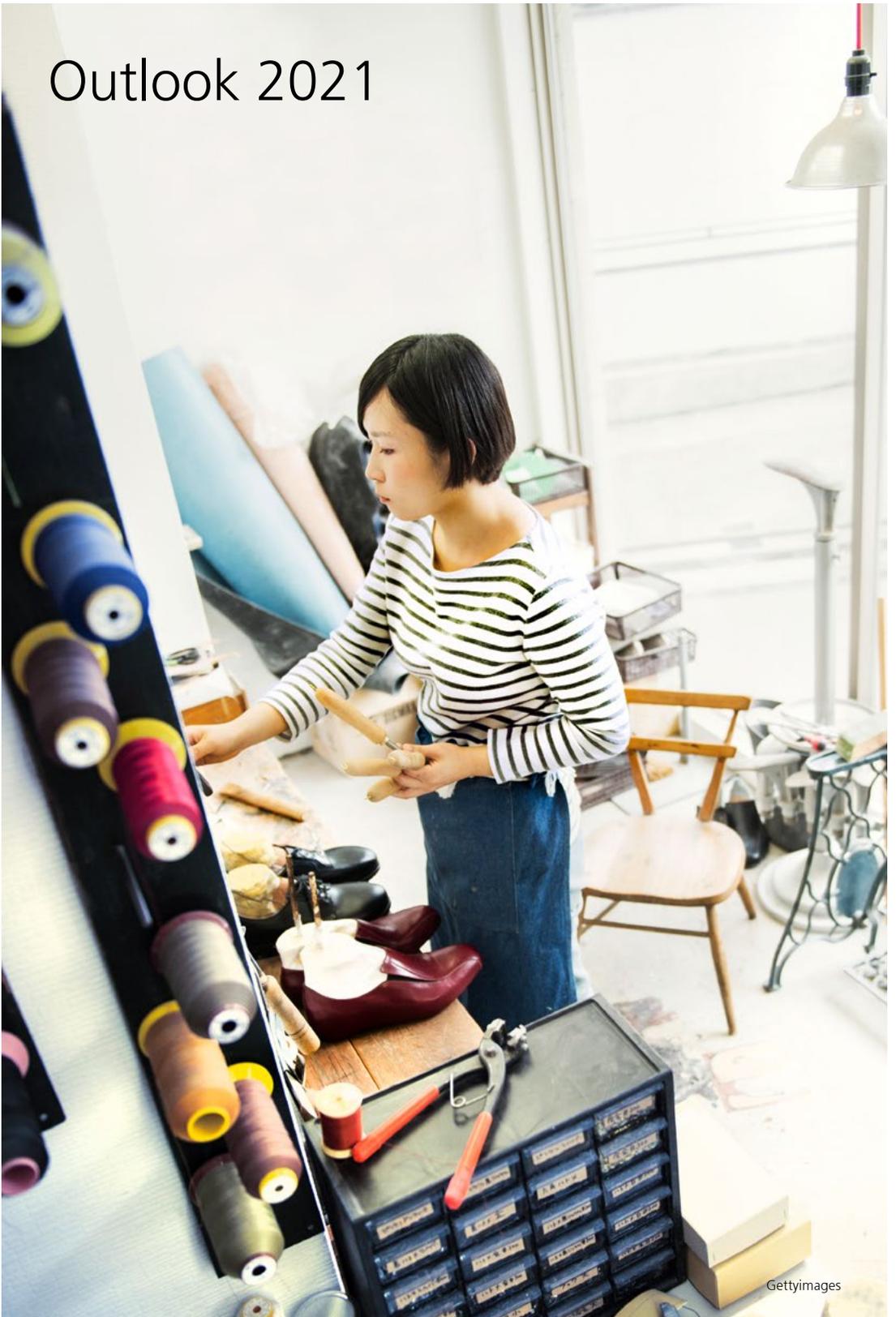
Our view

Future returns are likely to be lower than in recent years across all major financial assets. But the outlook for equities and other real assets is more favorable than for government bonds and cash.

Investment ideas

- Invest in “The Next Big Thing,” reallocating existing technology exposure into 5G, fintech, healthtech, and greentech.
- Diversify into private equity by switching up to 20% of the public equity exposure in your portfolio to private equity.

Outlook 2021



A Year of Renewal

2020 featured unprecedented shutdowns of economic activity, a fusion of monetary and fiscal policymaking, and a vote for new leadership in the US. 2021 will see us start to shift back to pre-pandemic norms while simultaneously accelerating forward into the post-pandemic future.



Mark Haefele
Chief Investment Officer
Global Wealth Management

Renewed growth.

We think the approval and rollout of a coronavirus vaccine by the second quarter, fiscal policymaking, and US voters choosing legislative gridlock will enable corporate earnings in most regions to recover to pre-pandemic levels by the end of the year. We expect the more economically sensitive markets and sectors, many of which underperformed in 2020, to outperform in 2021. Our preferred areas include small- and mid-caps, select financial and energy names, and the industrial and consumer discretionary sectors.

For more:

- Our views on the recovery; page 14
- Ideas for the next leg; page 23

A renewed hunt for yield.

Low interest rates and high government spending will persist, in our view, as policy-makers attempt to mitigate the economic effects of pandemic control measures. In the near term, with the threat of inflation low, we think investors can still find positive real returns in emerging market (EM) USD-denominated sovereign bonds, Asia high yield, and select “crossover bonds” with BBB and BB credit ratings. In the longer term, the combined threat of government spending going too far, or not far enough, means investors may need to prepare for heightened inflationary and disinflationary risks across regions.

For more:

- Where is economic policy headed; page 16
- Our views on hunting for yield; page 27

New leadership.

2021 will bring a different mix of US political leadership, and we think new market leadership will follow. We expect fiscal stimulus and more predictable foreign relations to support cyclicals, including industrials and mid-caps. Meanwhile, we also expect higher deficits to weaken the US dollar.

For more:

- What’s next for the US; page 19
- How to position for a weaker dollar; page 30

A new, and renewable, future.

The coronavirus pandemic has accelerated, rather than halted, most of the long-term trends already underway. We expect a world that is more indebted, more unequal, and more local to result in below-average long-term returns across traditional asset classes. But we believe investors do have the opportunity to earn higher returns by positioning for a more digital future across 5G, fintech, and healthtech, and for a more sustainable one in greentech.

For more:

- Long-term outlook; page 34
- Our views on what could be “The Next Big Thing”; page 41

Scenario analysis

Upside scenario	Central scenario	Downside scenario
Investment view		
Diversify for the next leg (page 23)	Hunt for yield (page 27)	A diversified hedging strategy, including gold, dynamic allocation strategies, long duration, and option structures (page 26)
Position for a weaker dollar (page 30)	Buy into sustainability (page 51)	
Invest in "The Next Big Thing" (page 41)	Diversify into private markets (page 53)	
Pandemic recovery		
A highly effective vaccine becomes widely available by 1Q21 in leading economies.	An effective vaccine becomes widely available by 2Q21 in leading economies.	Vaccine availability delayed, or with a lower efficacy than initially thought.
Social activity normalizes by 2Q21.	COVID-19 waves recur in the first half, but short-term restrictions and limited public fear allow social activity to normalize alongside a vaccine rollout by 3Q21.	Public fear of COVID-19 is elevated, and restrictions on business activity recur throughout 2021, causing social activity to return to normal only by late-2021.
GDP in developed countries returns to pre-pandemic levels by end-2021.	GDP in developed countries returns to pre-pandemic levels by 2022.	GDP in developed countries returns to pre-pandemic levels by 2023.
Economic policy		
Central bank policy stays accommodative, albeit edging toward a tightening bias later in the year.	Central banks maintain accommodative policy.	Monetary policy support is increased to offset the effects of weak growth, but may be tapered if inflation rises unexpectedly.
Low real rates and a weaker dollar boost global growth.	Real interest rates remain low and stable.	Real rates rise initially, but subsequently trend down.
Geopolitics		
The US government is able to agree on a larger-than-expected fiscal deal, closer to USD 2tr.	The US government agrees on a fiscal deal worth USD 500–1,000bn, and does not increase tax rates.	Ongoing legal challenges to the US election result or partisan political disagreements create uncertainty about fiscal policy.
The Biden administration begins a partial rollback of existing tariffs on China exports, supporting global growth.	US-China relations remain a long-term issue, but President-elect Joe Biden's foreign policy is more predictable than that of his predecessor.	US-China trade tensions re-escalate, with the fundamental geostrategic rivalry between the US and China not tempered by the new US administration.
Asset class targets for June 2021		
S&P 500 (current: 3,532) 4,000	3,800	2,900
Euro Stoxx 50 (current: 3,443) 3,900	3,600	2,800
MSCI EM (current: 1,192) 1,390	1,280	900
SMI (current: 10,361) 11,500	11,000	8,800
USD IG spread (current: 82bps) 60bps	80bps	200bps
USD HY spread (current: 422bps) 350bps	400bps	700bps
EMBIG spread (current: 375bps) 280bps	340bps	550bps
EURUSD (current: 1.18) 1.25	1.22	1.12
Gold (current: USD 1,875/oz) USD 1,600–1,700/oz	USD 1,950/oz	USD 2,200–2,300/oz

Note: Asset class targets above refer to the respective macro scenarios. Individual asset prices can be influenced by factors not reflected in the macro scenarios.

Source: UBS, as of 12 November 2020

Key questions



How quickly will the world recover?

We expect global economic output and corporate earnings to reach pre-pandemic levels by the end of 2021, enabling economically sensitive markets and sectors to outperform. But accelerated change means it is also important to retain exposure to structural growth.

2020 is set to be among the worst years for the global economy in more than 70 years. We think China will be the only large economy to record any growth, and estimate the

US economy will have shrunk by roughly 4%, with developed markets as a whole and emerging markets ex-China contracting by 5%–6%.

Overall earnings should return to pre-crisis levels in 2021

CIO estimate for earnings, rebased to 2019 = 100

Earnings, rebased	2019	2020	2021	2022	Share price performance year-to-date
US	100	84.5	103.3	120.5	9.7%
Asia ex-Japan	100	98.7	118.4	137.3	9.9%
Euro area	100	58.4	85.7	102.1	–6.8%
UK	100	55.0	75.9	89.9	–16.5%
Switzerland	100	91.0	101.9	112.5	–2.4%
EM	100	93.4	114.5	132.7	5.9%
Developed markets	100	83.1	103.8	119.8	6.3%
Global	100	84.4	105.2	121.9	6.3%

Note: Consensus estimates for 2022

Source: Refinitiv Datastream, UBS, as of 11 November 2020

48%

of investors are very or somewhat optimistic about the outlook for the global economy over the next 12 months, but that figure rises to 66% on a five-year view.

Source: 3Q20 UBS Investor Sentiment survey

But we expect 2021 to be a Year of Renewal. Economic activity in China has already largely normalized. And following encouraging early vaccine efficacy data, we remain confident that vaccines will be widely available by the second quarter of 2021. This should help put Europe and the US on the path to a sustained recovery.

If we are right, we expect corporate earnings to rebound quickly. We think developed market earnings will roughly match 2019 levels in 2021. Meanwhile, we anticipate emerging market companies will earn around 15% more in 2021 than in 2019, powered by robust earnings growth in Asia.

Revived economic and corporate earnings growth should also mean renewed outperformance from those cyclical companies and markets that underperformed in 2020. We see particular catch-up opportunity in small-

and mid-caps, select cyclicals, particularly in the industrial and consumer discretionary sectors, and in markets outside the US. For more, see page 23.

How will the world be different after the recovery?

The pandemic has made our world both more digital and more local, and not all companies and individuals will be able to adapt. So while we think that in the short term investors can profit by investing in companies exposed to a cyclical recovery, this needs to be combined with exposure to the disruptors set to drive technological transformation over the decade ahead, including 5G, fintech, healthtech, and greentech. For more on how the pandemic has changed our world, see page 34, and for more on our top ideas for the decade ahead, see page 41.

Related investment ideas	page
Diversify for the next leg in global equities, especially in cyclicals with catch-up potential.	23
Invest in “The Next Big Thing” with exposure to themes like 5G, fintech, healthtech, and greentech.	41

Where is economic policy headed?

In 2021, we expect interest rates to remain low and fiscal spending to stay high. We believe this combination will prove supportive of equities and credit, and contribute to a weaker US dollar.

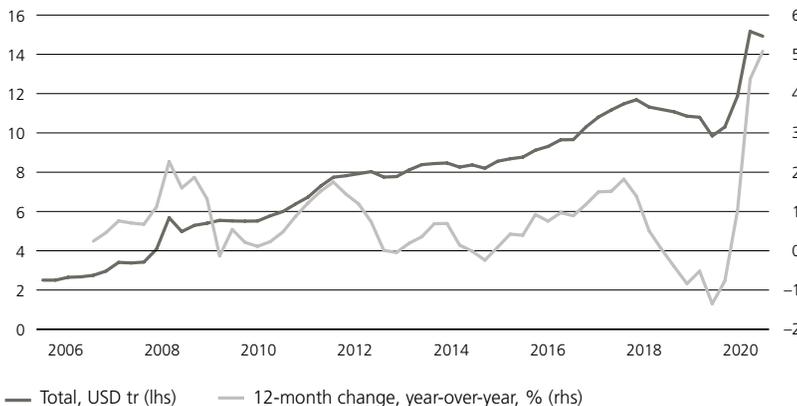
2020 brought an unprecedented fusion of fiscal and monetary policy: To fund social support packages, governments ran an aggregate deficit of over 11% of global GDP in 2020, while the world's top five central banks printed an aggregate of USD 5tr.

In 2021, we think governments in general will continue to “bridge the gap” until a vaccine enables a return to normal economic functioning. We also expect central banks to keep interest rates low to support growth and inflation.

2.1

Central banks printed USD 5tr in 2020

Aggregate central bank balance sheets: Fed, BoJ, BoE, ECB, SNB



Source: Fed, BoJ, BoE, ECB, SNB, UBS, as of 20 October 2020

Just **38%** of surveyed investors are worried about the impact of inflation on meeting their financial goals or objectives.

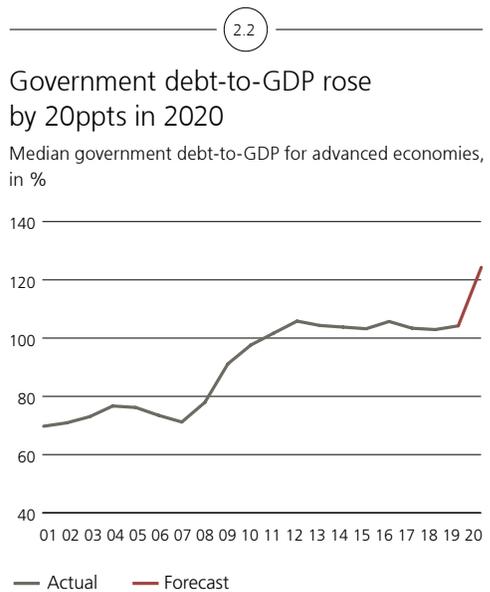
Source: 3Q20 UBS Investor Sentiment survey

But the longer-term path is less predictable.

One possibility is that governments recoil at the risk of higher debt and inflation, and pull back fiscal spending programs too far or too fast. Monetary policy alone is unlikely to be sufficient to support the economic recovery, so this outcome would likely mean an extended period of disinflation and low growth.

A more likely possibility is that governments are reluctant to enact austerity policies, having so far run much higher deficits without suffering higher inflation or borrowing costs. In this scenario, governments continue to run large deficits and loose monetary policy persists even if inflation moves moderately higher.

Although neither scenario is likely to materialize in 2021, they could begin to shape a longer-term investor narrative, and therefore start to impact asset prices. To prepare for a scenario of higher inflation and negative real interest rates, we recommend investors seek out long-term secular growth, both in public (page 41) and in private markets (page 53). To prepare for disinflation and low or negative rates, investors should lock in available yield (page 27).



Source: IMF, UBS, as of 21 October 2020

How should I plan for inflation?

When it comes to building a financial plan, we have to account for the fact that goods and services tend to rise in cost each year. Inflation can have a meaningful impact on how much investors must save in order to successfully fund their future goals. Even with just 2% inflation, prices would be 80% higher over a 30-year time span. Preparing for inflation requires that investors ensure their portfolios have sufficient exposure to growth and “real” assets, like stocks and real estate, and it demands a careful awareness of withdrawal rates.

The table below shows that higher inflation expectations generally mean investors either have to reduce spending, or try to increase portfolio returns.

For example, an investor with USD 1mn who wants a less than 20% chance of having less than USD 500,000 left in 30 years, and expects their assets to return 6.4% per year with 8.8% volatility, could withdraw approximately USD 45,000 in the first year, and then 2% more in each subsequent year.

“Safe” initial spending rate, assuming USD 1,000,000 of invested capital*

		All Fixed Income Exp. return: 4.3% Volatility: 4.2%	Balance Portfolio Exp. return: 6.4% Volatility: 8.8%	All Equity Exp. return: 8.3% Volatility: 15.0%
Annual nominal spending growth	1%	USD 41,000	USD 50,000	USD 54,000
	2%	USD 36,000	USD 45,000	USD 48,000
	3%	USD 32,000	USD 40,000	USD 43,000

Source: UBS

* We define “safe” as a <20% probability that the investor would end a 30-year period with <50% of their initial capital. Greater certainty or desire for higher capital retention would generally imply a lower required spending level. Volatility and Return assumptions are based on our Capital Market Assumptions for each multi-asset portfolio. Estimates calculated to the nearest USD 1,000, using a 5,000-trial Monte Carlo model, assuming normally distributed annual returns over 30 years. No taxes on dividends or capital gains are assumed in this illustration. Considering taxes would generally lower “safe” spending rates in all scenarios.

Related investment ideas	page
Hunt for yield in EM USD-denominated sovereign bonds, Asian high yield, and crossover bonds.	27
Diversifying into private markets or investing in areas that could be “The Next Big Thing” could help improve long-term portfolio growth potential.	53 41

What's next for the US?

We expect fiscal stimulus and the rollout of a vaccine to drive the economic recovery and outperformance for mid-caps and select cyclical sectors, relative to large-caps. The US dollar will depreciate, in our view.

Over 50%

of investors are planning to make changes to their portfolio in light of the US election result.

Source: UBS Investor Watch Pulse, as of 29 October 2020

At the time of writing, it looks likely that we will see a divided government, with a Democratic President and House along with a Republican-led Senate. This is likely to mean a smaller-than-anticipated, but still sizable, fiscal stimulus package. Political gridlock could also have some positive effects. Republican control of the Senate would make significant tax increases on businesses or individuals unlikely in the coming years. It would also reduce the probability of aggressive new regulation on healthcare or fossil fuel companies. More broadly, divided government lowers the potential for significant policy changes, reducing the potential for policy-induced market volatility.

We identify three key effects:

- **Stimulus to boost mid-caps.** We think the new administration will be able to enact another coronavirus aid package worth between USD 500bn and 1tr, or roughly 2.5%–5% of GDP, which should bode well for consumer spending and business confidence, and help drive a shift in market leadership away from large-caps and toward mid-caps. Mid-cap earnings are more leveraged to an economic recovery, and we expect them to grow at around twice the pace of large-cap earnings in 2021.
- **A higher deficit to weaken the US dollar.** We expect higher fiscal spending to be funded by a rising deficit, rather than additional taxes. Although spending can largely be funded by private domestic savings in the near term, as the economy begins to recover in 2021, we expect the private sector to increase spending, widening the current account deficit and requiring a weaker dollar to attract external funding.

– **A more predictable China rivalry to emerge.** We think the Biden administration will renew the US’s approach to foreign relations, a tack that should improve relations with Europe in particular. Although the fundamental US-China geostrategic rivalry won’t change, we do think the new administration will be less likely to use tariffs as a tool of foreign policy. Reduced trade tensions should support the economic recovery, reinforcing our preference for cyclicals such as industrials.

What’s next for US tech?

After a rally of over 50% in 2020, the top five US technology firms alone now represent around one-eighth of the MSCI AC World

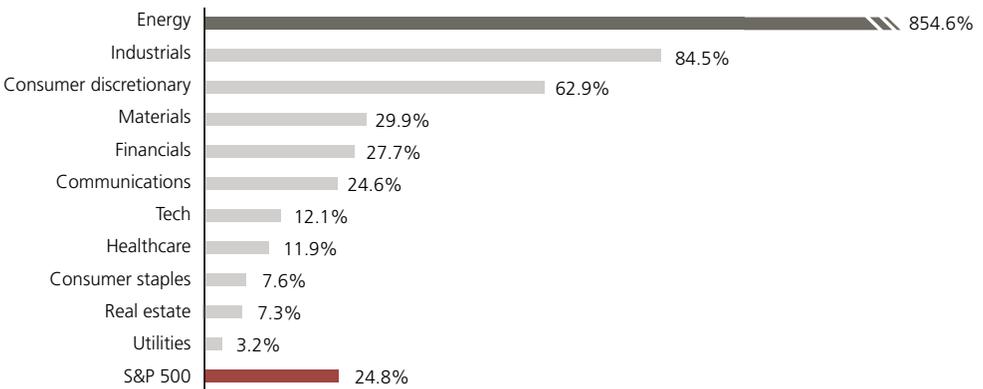
equity index, more than China, the UK, and Switzerland combined. We expect the technology sector to continue to benefit from strong secular growth in digital advertising, e-commerce, cloud computing, and the 5G rollout.

However, valuations have increased, and we think other segments of the market will see stronger earnings growth in 2021 as they recover from depressed levels. Anti-trust scrutiny also bears monitoring, although a divided government would reduce the probability of new regulations, and in any case we would expect judicial proceedings to take years to reach resolution.

2.3

Cyclicals should see higher earnings growth than defensives and technology

Consensus earnings per share growth in 2021, in %



Source: FactSet, UBS as of 12 October 2020

How should I think about my country allocation?

The US equity market now represents 58% of the MSCI AC World equity index, up from 51% five years ago. Even though the US market has outperformed global stocks in 10 of the past 11 years, out-performance doesn't last forever.

For US-based investors, home bias is another important factor. If the US stock market does poorly, this may be coincident with other financial challenges, such as higher unemployment, lower wage gains, or less home price appreciation. The equity allocation should take into account these other assets and future

liabilities. Investing globally can help to diversify portfolios and protect investors against the inherent risks of such correlations.

As described on page 24, we expect the US to start to underperform ex-US stocks at some stage in 2021, and, as we show on page 37, over the long run. In general, we don't recommend that investors allocate more than 58% of their equity allocation to US stocks in their public market portfolios, and would also encourage investors to allocate more to other regions in their private equity allocations.

Related investment ideas	page
Position for a weaker dollar , as we expect twin deficits and a diminished interest rate differential to weaken the greenback.	30
Diversify for the next leg in US mid-caps and cyclical sectors as the economic recovery drives a change in market leadership.	23

Investment views



Diversify for the next leg

We expect equity markets to move higher in 2021. In a Year of Renewal, we also believe some of 2020's laggards will catch up. Investors need to think global, look for catch-up potential, and seek long-term winners.

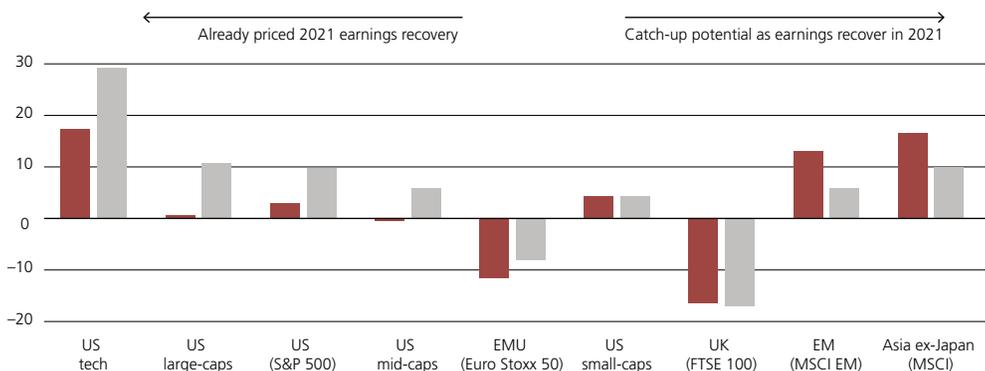
Profits underlying major equity indexes have proven surprisingly resilient through the pandemic when compared with the broader economy. This is because listed companies have a high exposure to digital, multinationals, and goods relative to services. Looking

ahead, monetary and fiscal stimulus should continue to provide a tailwind for stocks, and we anticipate significant earnings growth as the global economy recovers. Low interest rates also continue to make equity valuations look attractive relative to bonds and cash.

3.1

There is catch-up potential outside of US large-caps

Earnings per share growth in 2019 vs. 2021 (consensus estimates), including year-to-date performance, in %



■ Earnings forecast 2021 vs. 2019 ■ 2020 share price performance

Source: Refinitiv Datastream, UBS, as of 11 November 2020

37%

of surveyed investors plan to increase investments in the stock market over the next year. Just 11% plan to decrease investments.

Source: 3Q20 UBS Investor Sentiment survey

In 2021, we think investors should diversify for the next leg higher in equities by thinking global, looking for catch-up potential, and seeking long-term winners:

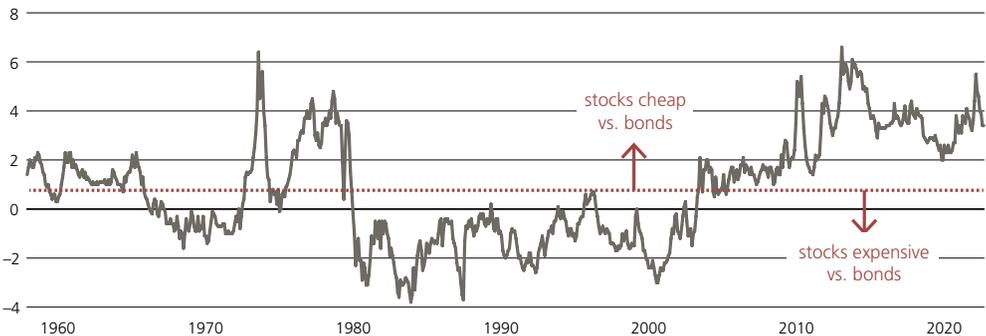
- **Think global.** Robust corporate earnings and exposure to secular trends still speak in favor of the US market at the time of writing. However, amid relatively high valuations and after outperforming global stocks in 10 of the past 11 years, US stocks will start to underperform other markets at

some stage in the coming year, in our view. We expect the post-pandemic recovery in corporate earnings to be stronger in the more cyclically exposed Eurozone and UK markets, while valuations are more favorable in emerging markets, and Asia retains a combination of reasonable valuations, robust earnings, and secular growth. Investors should prepare for the year ahead by ensuring they are not overexposed to US stocks, and we recommend considering implementing hedges to US equity exposure

3.2

Equity risk premium still looks attractive

S&P 500 earnings yield minus 10-year US Treasury yield, in ppts, with median since 1960



Source: UBS, as of 20 October 2020

and diversifying into markets and sectors that have potential to catch up. Investors can retain exposure to secular growth by seeking out companies outside of the US, especially in Asia, which are exposed to key long-term trends (see page 34).

- **Catch-up 2021.** As economic normality starts to return, we expect some of the relative laggards in 2020 to become outperformers in 2021. Areas with the most catch-up potential, in our view, are US mid-caps, EMU small- and mid-caps, select financial and energy stocks, and the industrial and consumer discretionary sectors. By contrast, we expect the earnings growth and performance of global consumer staples companies to lag in 2021, while some

of the primary stay-at-home beneficiaries could also begin to underperform as conditions normalize.

- **Seek long-term winners.** Given the significant structural changes afoot in the Decade of Transformation, it is important that investors complement cyclical exposure with exposure to secular growth. However, we should note that sectors that lead the way in one decade rarely continue to do so in the next. We think the Decade of Transformation will be more about the sectors transformed by technology than the technology sector itself. Our picks as “The Next Big Thing” include 5G, fintech, healthtech, and greentech.

Is it too late to buy?

Our forecasts suggest that the world economy and corporate earnings will return to pre-pandemic levels in 2021. But with many broad market indexes already surpassing pre-pandemic highs in 2020, many investors are asking whether it's too late to buy.

Tactically, we still think there is plenty of opportunity both in catch-up plays, and in structural winners that can continue reaching new highs. But strategically, investors should pay less attention to market timing

and more to the long-term picture. So in times of uncertainty, investors should take advantage of volatility to enter markets.

Assuming 6% annual earnings growth, earnings can be expected to be 5.7x higher over a 30-year horizon; market valuations may change over time, but rarely change by a factor of more than 5x. Given the choice between investing immediately or waiting for stocks to get cheaper, putting money to work for the long term is usually the best choice.

How can I protect against downside risks?

Using bonds alone as a hedge for falling equity markets is more costly and potentially less effective than in the past, due to low yields. We think investors looking for protection should instead consider a diversified set of hedging approaches.

First, investors can consider reducing their overall fixed income allocation and concentrating a greater allocation in longer-dated bonds to benefit from their greater interest rate sensitivity.

Second, investors should consider incorporating dynamic asset allocation strategies, which can adjust their exposure to risk assets based on market conditions.

Third, investors can incorporate equity replacement strategies—such as structured solutions with downside protection—to sacrifice some upside potential in exchange for investments that give an asymmetric return profile.

Finally, we continue to see gold as an attractive hedge in a portfolio context, particularly in a low real interest rate environment.

Hunt for yield

We expect interest rates on cash and bond yields to stay at very low levels for the foreseeable future. The renewed hunt for yield means investors need to take a look at the role of cash and bonds in portfolios and consider being more active, increasing exposure to emerging markets and Asia, or finding alternative means of earning income.

Excess capacity and accommodative central bank policy mean we do not expect rates or government bond yields to move significantly higher in 2021. While this makes it challenging for investors to find yield in cash and high quality bonds, we think the investment environment is conducive to credit, with economic output steadily recovering, and fiscal and monetary policy helping keep defaults in check.

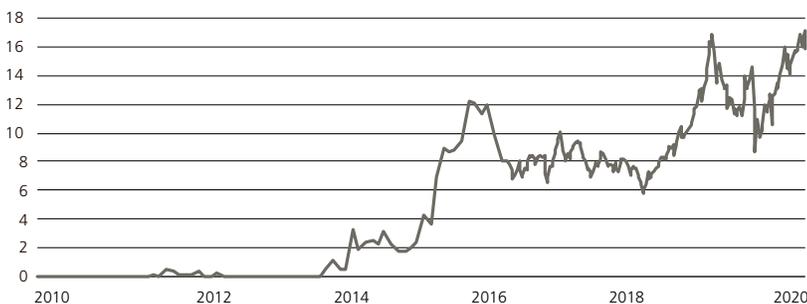
Investors looking to enhance portfolio income can consider the following options:

- **Being more active.** With earnings recovering in 2021, we think credit fundamentals and credit ratings will also start to improve. Yet the disruption caused by the pandemic will have divergent effects, which could boost returns for more active investors. For example, risk-tolerant investors can earn potentially significant returns

3.3

Stock of negative-yielding debt at a new record high

Outstanding level of bonds with negative yields, in USD tr



Source: Bloomberg, UBS, as of 6 November 2020

49%

of surveyed investors said that “getting more yield” was their “portfolio priority” for the next six months. Equities (50%), structured solutions (38%), and bonds (35%) were among the most cited means of achieving this goal.

Source: 3Q20 UBS Investor Sentiment survey

by anticipating key rating agency action, and investing in select euro- or US dollar-denominated bonds in the crossover zone (hence the name “crossover bonds”) between investment grade and sub-investment grade.

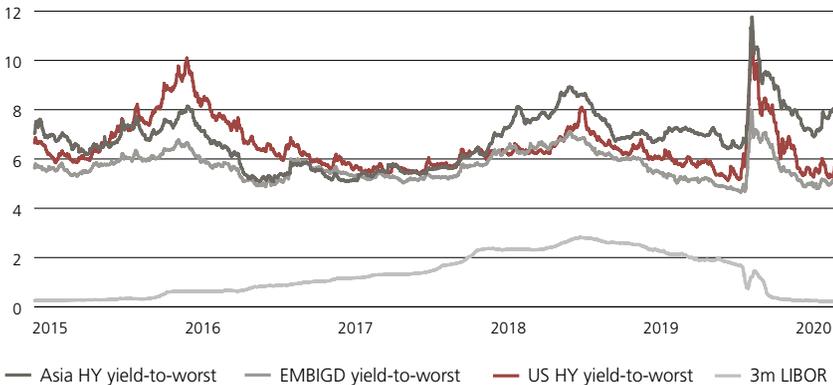
- **Looking to emerging markets and Asia.** With yields of near 5% (or 400bps spreads over US Treasuries), emerging market

USD-denominated sovereign bonds compensate well for their risks, in our view. We think spreads could tighten to 340bps as global demand returns and oil prices recover. Meanwhile, Asia HY offers some of the most attractive yields in the credit space, at near 8%. The asset class is backed by a positive outlook for Chinese property bonds that benefit from easy domestic liquidity conditions.

3.4

Select credit yields are high relative to cash rates

Select bond yields and LIBOR, in %



Source: Bloomberg, UBS, as of 6 November 2020

Finding alternative income. Other means of boosting yield in the current elevated volatility environment include strategies like put writing, for those who can implement options, or structured solutions that offer a fixed coupon payment until maturity based on movements in underlying equity or commodity markets. We also view direct lending and core real asset strategies as attractive long-term income generating instruments.

Finally, with the yield gap between US high yield credit and short-term rates at a multi-year high, and the Fed projecting that borrowing costs will not rise until 2023, investors should also consider whether adding leverage to their financial plan could boost their probability of success.

Investors in USD-denominated bonds should note we expect a weaker dollar in 2021, so hedging this currency exposure may be beneficial, depending on an investor's base currency:

Currency	12m forecast vs. USD	Forward rate	Forecast appreciation relative to USD forward rate	Worth hedging USD exposure?
EUR	1.23	1.19	3.4%	Yes
CHF	0.89	0.91	2.2%	Provided implementation costs are <2.2%
GBP	1.37	1.33	3.0%	Yes
CNY	6.30	6.80	7.4%	Yes
SGD	1.30	1.35	3.7%	Yes

Source: UBS, as of 11 November 2020

What role should bonds play in my portfolio?

Traditionally, holding a combination of equities and bonds in portfolios has enabled investors to make portfolio withdrawals during crises without needing to sell stocks at depressed prices. But with bond yields now close to zero, the drag

of holding bonds in portfolios is getting bigger. As a result, we think investors need to shift excessive high quality bond allocations toward credit, hedge funds, and private debt to meet return objectives.

Position for a weaker dollar

We expect the US dollar to weaken in 2021 due to a recovering global economy and a diminished interest rate differential. To position for this, we think investors should diversify across G10 currencies or into select emerging market currencies and gold.

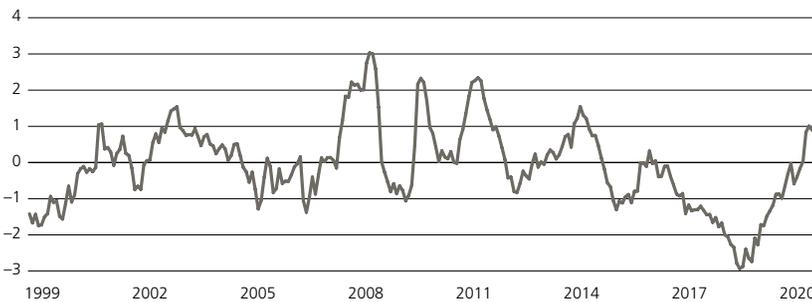
The US dollar index has already dropped close to 10% from its highs in March 2020, and we anticipate renewed weakness in 2021. We expect continued large US fiscal deficits at the same time as US private sector savings are starting to fall, exacerbating external funding requirements. In addition, a recovering global

economy and heightened focus on US indebtedness are likely to reduce safe-haven demand for the currency. And the interest rate advantage the US dollar previously held over other currencies in recent years has now eroded.

3.5

Real yields are higher in Europe

2-year EURUSD inflation-adjusted swap rate



Source: Macrobond, UBS, as of 1 November 2020

Here are our top three ways to position for a weaker dollar:

A diversified set of G10 currencies.

We see medium- to long-term upside potential in the EUR, GBP, CHF, and AUD against the US dollar. The euro is well placed to benefit from a recovery in global export demand as the pandemic fades and US stimulus boosts growth. We forecast EURUSD to rise into the 1.20–1.25 range by end-2021. We also view the Swiss franc and the Japanese yen as supe-

rior safe havens to the US dollar, given that investors could become more concerned about the US's indebtedness at the same time as the Swiss National Bank relaxes its interventions, and as growth in Asia rebounds.

For our currency forecast table, see page 59.

3.6

An equal-weighted FX basket has historically outperformed the USD

Rolling investment in one-month USD cash deposits vs. a basket of five currencies (EUR, JPY, GBP, AUD and CHF)



Source: Macrobond, UBS, as of 7 October 2020

Performance figures refer to the past and past performance is not a reliable indicator of future performance/results.

Emerging market and APAC currencies.

We like Asian currencies with a high yield, such as the Indian rupee and Indonesian rupiah, and those with cyclical exposure, such as the Singapore dollar and Chinese yuan. The yuan could additionally benefit from capital inflows as access to Chinese capital markets eases further. The low-yielding Taiwan dollar is our least preferred currency in Asia. Elsewhere, we think the Russian ruble will benefit from a global economic recovery, especially if oil prices increase, as we forecast.

Gold.

Gold was one of the best-performing assets in 2020, rallying over 25%. In an environment of higher growth, we don't expect last year's gains to be repeated in 2021. But the precious metal can still act as a hedge against geopolitical uncertainty, while low rates keep the opportunity cost of holding it low.

How do currencies fit in a portfolio?

As a general principle, we think investors should own the currencies in which they have liabilities or spending plans. For instance, a Eurozone-based investor whose family spends most of their time and money in Europe should generally keep the majority of their wealth in euros or hedged into euros.

For other investors, however, a wider mix of currencies may be more suitable. For example, some investors may find that they have assets in excess of future liabilities or spending needs, in which case return maximization becomes a primary goal. Historical analysis suggests that an equal-weighted basket of currencies has provided higher returns than the USD over the long term.

The Decade of Transformation





To explore the digital experience of the Year Ahead 2021, visit ubs.com/year-ahead

The Decade of Transformation

The global coronavirus pandemic has accelerated many of the trends already in evidence when we entered this Decade of Transformation. We think the post-crisis world will be more indebted, more unequal, and more local—but also more digital, and more sustainable.

More indebted.

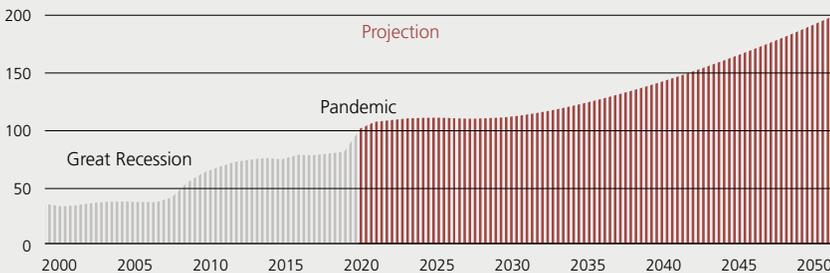
We forecast that advanced economies' debt-to-GDP ratios will be over 20 ppts higher by the end of 2021 than at the end of 2019. And, given aging populations, minimal societal appetite for fiscal austerity, and low debt-servicing costs, we expect government spending to remain elevated by historical standards.

Excess savings should enable relatively comfortable debt financing in the near term. But in the medium term, we think that debt financing will require some combination of higher taxation, regulation to encourage greater institutional investment in government bonds, or moderately higher inflation (see page 16), underscoring the importance of owning "real" assets such as equities.

4.1

Post-COVID-19 debt levels are forecast to increase

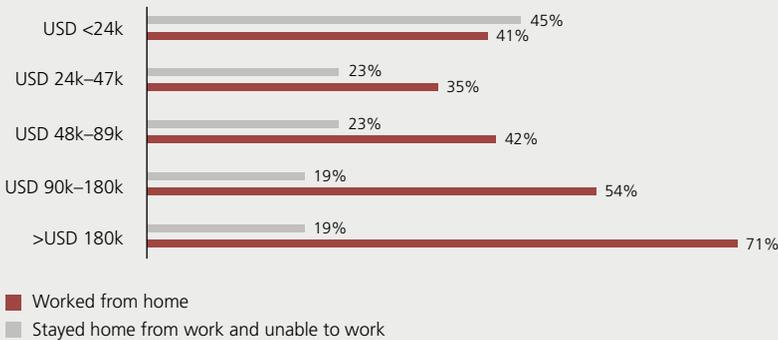
US Federal debt held by the public, 2000 to 2050, in % of GDP



Source: US Congressional Budget Office (CBO), UBS, as of 30 September 2020

Higher-paid workers are likelier to be able to work from home

% of US respondents who worked from home or stayed home from work and were unable to work



Source: Sample of 8,572 randomly selected adults from the GALLUP panel, interviewed over the phone from 16 March to 22 March 2020

More unequal.

The pandemic has had a negative effect on employment for lower-skilled workers, while the nature of knowledge work, which can largely be performed from home, and the financial markets' good performance have favored high-income and high-wealth individuals. In the future, technological disruption could widen the wealth gap even further. Whether wealth inequality reaches its political limits in the coming years remains to be seen, though we should expect to see more political leaders running on platforms that include some element of wealth redistribution. The resulting potential regional variations in economic policy make global diversification particularly important.

68%

of business owners say they expect digitalization to have a positive effect on their business. 61% say they expect sustainability to have a positive effect.

Source: 3Q20 UBS Investor Sentiment survey

More local.

Political considerations in an increasingly multipolar world, security concerns in light of the pandemic, consumer preferences tilting toward sustainability, and new technologies enabling localized production are all contributing to the world becoming more local. The aggregate effect on growth and inflation is unclear. But these factors can be expected to favor companies exposed to automation and robotics, companies already factoring sustainability into their supply chains, and companies based in ASEAN and India that could benefit from supply chain diversification out of China.

More digital.

The COVID-19 pandemic has forced much faster digital adoption and disrupted established norms. This could transform various industries (see page 41), and, combined with the unfolding impact of the fourth industrial revolution, could boost medium-term productivity. The crisis could also have the effect of suppressing real interest rates because the more efficient use of capital stock and a shift from tangibles to intangibles lower the demand for investment capital. On the flip side, a more digital world will produce its fair share of losers too. We see particular risks for physical retail and traditional energy over the course of the next decade.

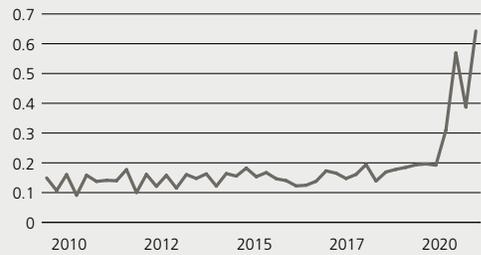
More sustainable.

Demand for carbon is still rising, but in 2020 the EU and Japan pledged to go carbon neutral by 2050, and China promised to do the same by 2060. Stricter environmental regulations could mean higher costs for some

4.3

The pandemic has triggered more corporate conversations about localization

Number of mentions of keywords related to supply chain diversification in transcripts

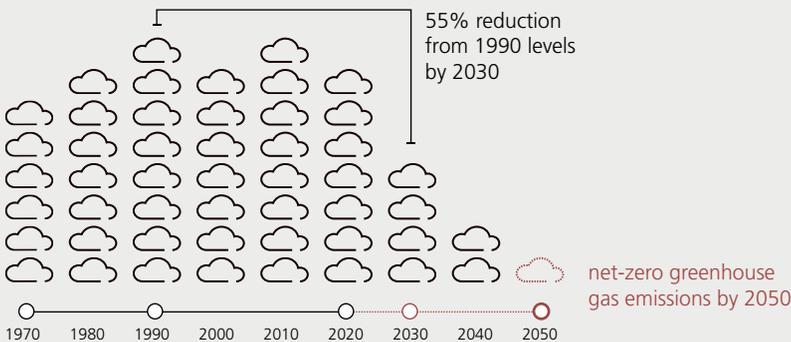


Source: UBS Evidence Lab, as of 12 October 2020

businesses. But companies that are well positioned for the transition, such as those providing greentech solutions, stand to benefit from a more sustainable world.

4.4

The EU's goal is climate neutrality by 2050



Source: BP Statistical Review of World Energy, UBS, as of October 2020

Investing in the Decade Ahead

In the next decade, investors will likely need to take on more risk to achieve the same returns as in the past decade. Cash and the safest bonds are likely to deliver negative real returns for the foreseeable future, while credit and equity still offer attractive risk premiums, in our view. We also see private market and sustainable assets as valuable in a portfolio context.

Asset class forecast

Cash and bonds

High government debt levels, societal calls for higher government spending, and reduced demand for capital in a digital world mean real interest rates are likely to remain at very low levels for the foreseeable future, in our view. Moreover, the move to average inflation targeting frameworks indicates that central banks will tolerate moderately higher levels of inflation. As a result, we think cash and high quality bonds will deliver a negative real return over the long term. We expect returns over the coming business cycle to average less than 1% for US Treasuries, which would likely lead to negative returns after inflation. Such low potential returns, as well as the reduced ability of high quality bonds to provide meaningful positive returns during equity draw-downs, suggest that investors should instead look to credit and alternative assets.

Credit

Total returns in credit are likely to be lower than in the previous decade. But, given that many central banks have added credit to their purchase lists, and in light of the very low yields in government bonds, we think credit should continue to play an important role in portfolios. We anticipate default rates and spreads both will decline below past averages as a result of low yields globally. We expect annual returns of less than 4% for USD high yield credit and about 5% for emerging market sovereign bonds in USD. We expect US investment grade credit to return around 1.5%.

Equities

The anticipated bounceback from the coronavirus crisis notwithstanding, we expect muted long-term economic growth in developed markets due to aging populations and high debt levels. Corporate net margins also face pressure from potentially higher taxation and minimum wages, political and security considerations, and tighter environmental regulations. That said, we think multiples should be well supported due to low interest rates, and we note risk premiums are higher than historical norms. The increased use of technology and changes to established working practices driven by the pandemic could also lead to higher worker productivity.

Overall, we expect nominal returns to average a little under 6% in the US annually over the coming business cycle, though we foresee higher returns for smaller size segments than we do for US large-caps. In developed markets outside the US, we expect returns to be closer to 8% after underperforming US stocks over the past few years. Regionally, we think the long-term outlook is most promising for emerging market stocks, which we expect to

average over 9% annual return (versus 4% over the past 15 years) thanks to lower initial valuations, a more favorable overall demographic profile, and greater potential for productivity gains. Investors seeking higher returns can also consider specific themes and sectors that we think have higher growth potential (see page 41).

Alternatives

Amid lower returns in developed market equities, and given the increased opportunity cost of using bonds to stabilize portfolios, investors will need to search for alternative sources of returns and diversification such as private markets and hedge funds. Private markets require long capital commitments, but we expect returns near 9% per year in private equity, around 3ppts higher than public equity, and 8% per year in private debt. For more on this topic, please see page 53. Meanwhile, we expect funds of hedge funds overall to return approximately 3% (in USD) per year, over the long term. We see particular hedge fund opportunities in the thematic and equity selection space due to the structural changes set in motion by the pandemic.

Commodities

Prices are currently cyclically depressed, and energy prices in particular have ample room to recover in the wake of the pandemic. Overall, we think broad commodities indexes will return roughly 4% annualized over the coming business cycle, driven by strong expected returns in energy. We expect gold to return 4% a year.

Currencies

We expect the US dollar to weaken in the years ahead, so it is important to review dollar exposure and implement hedges if necessary (see page 29 for guidance). On the other hand, we think broad emerging market currencies, as well as the Japanese yen and the British pound, offer the most upside potential over the long term. International investors who hold assets in these markets should keep the currency exposure to benefit from this expected appreciation, in our view.

Real estate

In a low interest rate environment, real estate remains an attractive investment for income generation in our view, particularly when compared with cash or government bonds. Real estate's inflation protection characteristics may prove beneficial in a more indebted world. While we do not think that either city living or the office market has been permanently impaired due to the pandemic, active private real estate strategies should provide better returns compared with low yield buy-and-hold strategies. We still expect nominal returns to average about 6% annually in private real estate (in USD), compared to the average of 8.5% over the past two decades.

The return assumptions above are taken from the UBS WM USA Asset Allocation Committee Capital Market Assumptions published on April 27, 2020.

Investment ideas



Invest in “The Next Big Thing”

We think the next decade will reward investing in the companies using technology to disrupt other sectors. We expect “The Next Big Thing” to materialize within the fintech, healthtech, or greentech spaces, or to be enabled and accelerated by the global rollout of 5G technology.

66% Healthcare
62% 5G
56% Green recovery

were cited as the thematic investment strategies surveyed investors would most seriously consider implementing over the next six months.

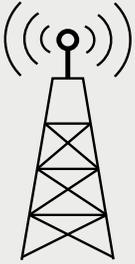
Source: 3Q20 UBS Investor Sentiment survey

Since 1973, if a US equity sector was a top two performer over the previous 10 years, it had only an 8% chance of staying there over the next 10 years, and a 25% chance of falling into the bottom two. This pattern suggests that “The Next Big Thing” probably won’t come from the top two sectors of the last decade: technology and consumer discretionary.

We’ve worked to identify market segments containing stocks that could see earnings more than triple over the next ten years thanks to a large potential market (over USD 200bn), a disruptive catalyst to spur

growth for the decade ahead, and a cyclical catalyst to kick-start things in 2021.

Our conclusion: If the last decade was about investing in the technology sector itself, we think the next decade will reward investing in the disruptors in sectors undergoing technological transformation. We expect “The Next Big Thing” to materialize within the fintech, healthtech, or greentech spaces, or to be enabled and accelerated by the global rollout of 5G technology.



5G+

Why now?

Following the 2020 launch of Apple’s first 5G phone, the iPhone 12, we expect a wave of interest in 5G technology and its potential applications, a trend likely to persist for at least the next decade.

Why could 5G be “The Next Big Thing”?

5G enables myriad business models and could spur the growth of a new generation

of platform leaders capable of harnessing 5G technology. A study conducted by IHS Markit revealed that about USD 13.2tr worth of economic value could be generated from 5G applications by 2035.

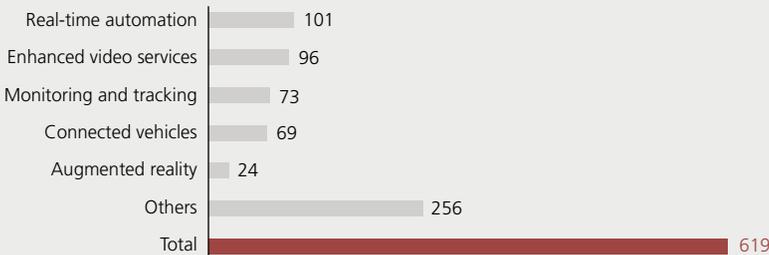
That sinking feeling when the “4G” icon on your smartphone switches to “3G” is all too familiar. Streaming high-quality videos or making video calls, browsing without interruption, and playing real-time mobile games were only made possible with 4G. The technology has played a key role in boosting the growth of the smartphone industry, social media platforms, and streaming services.

We now expect 5G connections, with download speeds of 20GB/s and latency of just 1–4ms (versus 1GB/s and 40–60ms for 4G), to drive a potentially even bigger change, enabling whole new series of applications that will transform the decade ahead.

5.1

5G creates opportunities in a number of industries

Annual revenue potential, in USD bn

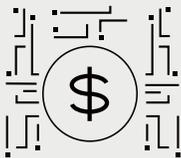


Source: Ericsson, UBS, as of 20 October 2020

The first set of beneficiaries will be the enablers:

1. companies that manufacture, install, and maintain the equipment involved in the expected 20x rise in annual 5G capex spending from 2019 (USD 7.5bn) to 2025 (USD 150bn); and
2. smartphone manufacturers, which should benefit from the more than one billion 5G connections we anticipate will be added in the next three years.

But just as cloud technology favors platform companies over hardware companies, we anticipate “The Next Big Thing” will be found among the platform leaders capable of successfully building 5G use cases. Potential applications enabled by 5G’s high speeds and low latency include fixed wireless access, autonomous driving, immersive augmented and virtual reality (AR/VR) technologies, tele-surgery, Industrial Internet of Things (IIoT), distributed “edge” computing, artificial intelligence, data-driven agritech, and highly connected smart cities.



Fintech

Why now?

The pandemic has triggered a dramatic shift toward contactless and mobile payments, and e-commerce. Improvements in customer acquisition are allowing fintech firms to cross-sell across different products and services.

Why could fintech be "The Next Big Thing"?

Technological innovation is facilitating banking and financial services, spurring significant growth of fintech firms. We see scope for continued growth in digital payments, driven

both by increased use of contactless and mobile payment systems, and by higher online spending. In addition, enabling technologies like artificial intelligence are helping fintech expand into other areas like insurance (insurtech), property (proptech), lending, and investments. Overall, we expect fintech firms to enjoy earnings growth rates in the mid-to-high teens over the next decade, making the industry one of the fastest-growing globally. We think the industry has the potential to expand to USD 500bn by 2030 from USD 150bn in 2018.

– **Digital payments.** We still see significant scope for growth in contactless and mobile payments, and e-commerce. Cash and checks still accounted for 39% of the USD 225tr global consumer and commercial payment flow as we entered 2020, accord-

ing to Mastercard. With the COVID-19 pandemic boosting e-commerce and reducing the use of cash, fintech payment firms have seen rapid growth in volumes and customer acquisition in 2020. Once consumers have grown accustomed to using primarily digital payments, many will not revert to traditional means. We expect digital payments to post growth rates in the low teens over the coming decade.

- **Additional services.** The next leg of growth for fintech companies will be generated by cross-selling other fintech services like insurtech, online lending, investment services, or proptech, all areas where not only growth rates are stronger, but also margins are higher. In each field, the use of artificial intelligence and blockchain technology is enabling new business models that are lower cost and easier to scale.
- **Central bank digital currencies.** Further growth could come from the launch of central bank digital currencies (CBDCs), with the People’s Bank of China and the European Central Bank both working on launches. Such currencies could prompt higher fintech adoption, particularly among late adopters, if governments start to use them. Through the data generated, they may also enable broader application of artificial intelligence in the fintech space.

Fintech addressable market growth in the medium term (CAGR, 2020–25)

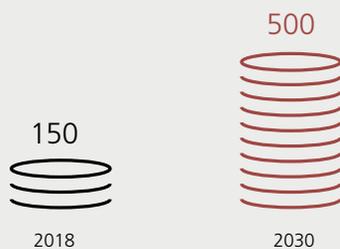
Payments	12%
Insurtech	25%
Online lending	16%
Proptech	30%
Others	12%
Total fintech	15%

Source: UBS

5.2

Fintech revenues expected to post 10.5% CAGR during 2018–2030

USD bn



Source: UBS estimates, as of September 2019



Healthtech

Why now?

The pandemic has simultaneously increased patient focus on health outcomes and reduced people's ability to access care and governments' capacity to pay for that care. We think health technology will play a critical role in improving the efficiency and quality of healthcare in the decade ahead. Meanwhile, the result of the US election should prove supportive for the healthcare sector as a whole.

Why could healthtech be "The Next Big Thing"?

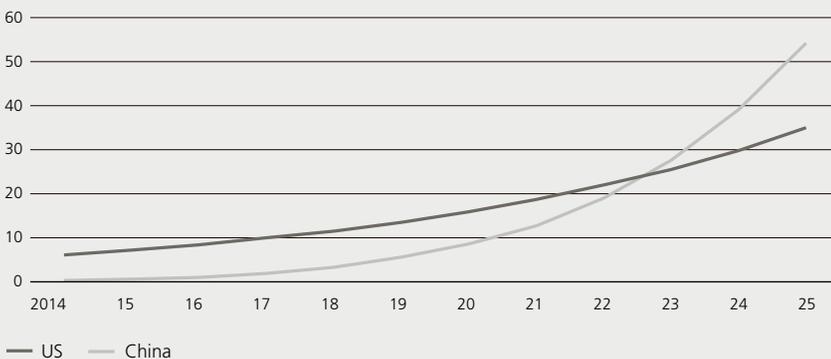
Global healthcare spending reached USD 7.8tr (10% of GDP) in 2017, according to the World Health Organization. Yet a significant proportion of this—up to 25% in the US, according to the JAMA Network—was wasted in 2019 due to failures of coordination, pricing, or delivery, or overly complicated processes and treatments.

Against this backdrop, and with the global over-65 population set to grow 60% to one billion by 2030, we see significant growth potential if emergent technologies can help providers create a more efficient and holistic healthcare system.

5.3

US and Chinese telemedicine markets on the rise

Market size projections in USD bn



Source: Frost & Sullivan, Statista, Bloomberg Intelligence, UBS, as of February 2020

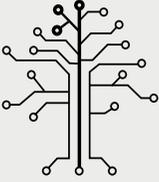
We're focused on three main areas of potential growth:

– **Telemedicine.** The use of telemedicine has exploded since the onset of the pandemic, and we expect these higher utilization levels to persist even if a near-term slowdown is possible as economies reopen. Over time, we think that healthcare will be transformed from an episodic service into a life-long process of managing and maintaining health, driven by technologically savvy health consumers. According to one estimate, the total US telemedicine market could grow by roughly 17% a year from 2019 to 2024 to USD 35bn, while the currently smaller Chinese market could grow by nearly 50% a year, overtaking the US market in size by 2023.

– **Transformative treatments.** We also expect significant developments in transformative treatment technologies. Drugs to treat cancer, for example, are now one of the fastest-growing segments of the drug market, exceeding USD 150bn in sales. We anticipate this figure will jump to USD 250bn by 2025, driven by pipeline development and new treatment modalities. Else-

where, the promise of gene editing, genetic therapies for common diseases, regenerative medicine, and 3D bioprinting could improve patient outcomes and spur growth for the firms developing these technologies. 5G technology could even allow robotic surgery to go "remote," making medical expertise available on a bigger scale and from a greater distance.

– **Advanced diagnostics.** Technologies could also enable enhanced diagnostics, boosting efficiency and improving patient outcomes. Liquid biopsies are under development for cancer detection, while combining connected sensors that gather data at the point of care with artificial intelligence could allow for quicker and more accurate diagnoses.



Greentech

Why now?

2020 has been a watershed year for global climate policy. The EU and Japan pledged to go carbon neutral by 2050 and China promised to do the same by 2060. Although these are long-term targets, we expect governments to start acting in 2021 to stimulate job growth and economic activity, aiding the recovery from the pandemic.

Why could greentech be “The Next Big Thing”?

The green transformation of some of the world’s biggest industries could be just beginning. To hit carbon neutral targets, government regulations, investment, and

subsidies will be geared toward incentivizing four main goals:

1. replacing fossil-fueled power generation and building heating and cooling (37% of CO₂ emissions) with renewable energy;
2. swapping fossil-fueled transport (22% of CO₂ emissions) for (battery) electric vehicles;
3. switching from industrial applications using gas (19% of CO₂ emissions) to ones powered by green hydrogen; and
4. using digital solutions to improve efficiency.

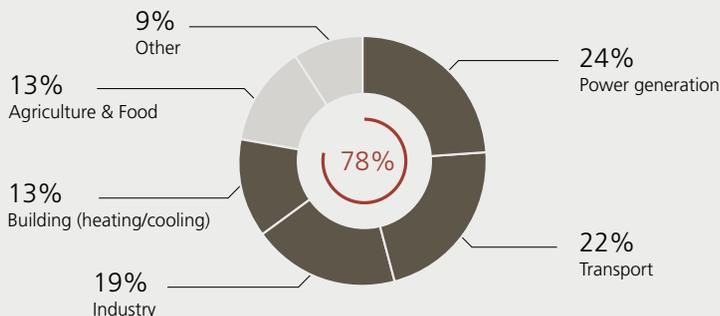
What will this mean in terms of investment opportunities?

- **Renewable energy.** Today, only around 8% of global electrical power is generated using solar and wind. According to the IEA, to meet sustainable development goals, that figure would need to rise to around 30% by 2030, and 40%–45% by 2040.

5.4

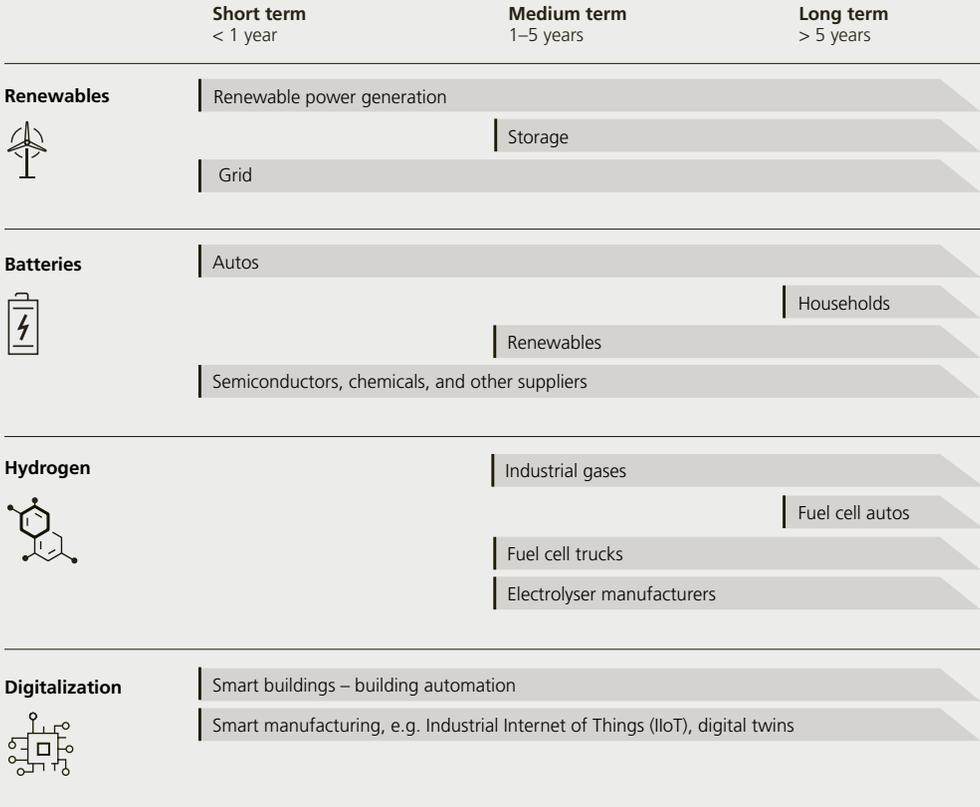
Greenhouse gas emissions concentrated mostly in four sectors

Share of EU-28 greenhouse gas emissions, by sector (in %)



Source: Eurostat, European Environmental Agency, UBS

Greentech creates short- and long-term investment opportunities



Source: UBS

Considering that electricity consumption will also increase due to economic growth and increased electric vehicle penetration, this would require 10% CAGR in annual wind and 16% CAGR in annual solar capacity. That shift would favor developers and manufacturers across the renewable value chain.

- **Batteries.** Currently, just 4% of the newly sold global light-vehicles are electrified (plug-in hybrids and battery-powered). We think that figure will rise to nearly 40% by 2030, at the same time as the number of cars and light trucks is expected to climb only back to 2019 levels. Accordingly, we expect growth in pure battery electric vehicle sales to reach a 30% CAGR, rising from USD 60bn today to USD 800–1,000bn annually by 2030. This development should benefit

select automobile companies and their suppliers; battery, semiconductor, and chemical manufacturers; and those supplying auxiliary technology like charging points, of which more than one million will be required in Europe alone.

- **Hydrogen.** Industrial applications using natural gas cannot be readily electrified due to the significant energy density required. Hydrogen could provide a solution, but producing it requires a lot of electricity, and 95% of global hydrogen is produced today using fossil fuels. The EU’s hydrogen strategy aspires to add 500 GW of electrolyzers by 2050. This would imply more than 1,000 GW of additional wind and solar capacity – almost four times more than today’s EU capacity – and a more than EUR 1tr of additional investment in renewable capacity in Europe alone.

Significant growth in renewables capacity required in IEA Sustainable Growth Scenario

Projected electricity capacity by source

	Electricity capacity (GW)			CAAGR (%)	
	2019	2030	2040	2019–2030	2019–2040
Total capacity	7,484	11,650	16,550	4.1	3.9
Coal	2,124	1,603	1,053	–2.5	–3.3
Oil	440	276	229	–4.1	–3.1
Natural gas	1,788	2,022	2,121	1.1	0.8
Nuclear	415	488	599	1.5	1.8
Hydro	1,306	1,606	2,029	2.4	2.1
Renewables ex-hydro	1,401	5,431	9,735	13.1	9.7

Source: Based on IEA data from the IEA (2020) World Energy Outlook 2020, www.iea.org/statistics. All rights reserved; as modified by UBS AG



What does the future look like?

Our flagship report series “Future of...” provides a deep dive into some of the major issues that we think will drive society, the economy, and financial markets in the Decade of Transformation.

Future of waste

From food and energy waste to the proliferation of plastic packaging, waste reduction is a key issue for consumers, companies, and the environment. Our report shows how investors can capture long-term returns by investing in waste reduction, waste management, and recycling.

Future of humans

The application of technology will transform the future of healthcare and education, and underpin changing consumer preferences, particularly in the context of an aging and growing global population.

Future of the tech economy

The fourth industrial revolution, where technology meets economic forces, is just beginning. Yet it has already reshaped entire industries. Meanwhile, the COVID-19 pandemic has accelerated key trends including e-commerce and digital data penetration, with ramifications for enabling technologies such as 5G and disruptive technologies like fintech.

Future of Earth

This report, coming in 2021, will focus on the investments that need to be made to balance planetary sustainability, economic development, corporate profitability, and human needs, while addressing the impact of limited resources and the changing natural environment on our economies, livelihoods, and communities.



Buy into sustainability

Sustainable investing considers all relevant social and environmental factors in order to better mitigate risks and identify opportunities. Increased government, business, and consumer emphasis on sustainability, combined with a growing investable opportunity set, means sustainable investing is now our preferred approach for investing globally.

Social and environmental issues can impact the economy and financial performance, as illustrated by numerous crises in recent years including wildfires and the coronavirus pandemic. Governments and businesses alike will place an increased emphasis on sustainability over the coming decade and beyond. The EU and Japan have announced pledges to be carbon neutral by 2050, and China by 2060. Meanwhile, plenty of businesses are changing their models to adapt to social and environmental challenges, as well as rapidly evolving consumer preferences.

All this has contributed to our decision to make sustainable investing our preferred approach for investing globally. Systematic consideration of all relevant environmental, social, and governance factors can help investors navigate uncertainty and position for the long term. Having already outperformed conventional investment strategies this year, sustainable strategies across all asset classes will play an even bigger role in a Decade of Transformation, in our view:

- **A source of growth.** With the world shifting toward sustainability, many of the highest-growth opportunities in the decade ahead are set to be sustainability-related. For example, as we highlight in “The Next Big Thing” (page 41), companies in the greentech space, ranging from battery electric vehicles to renewable energy, should benefit strongly from government regulation, recovery spending, and investment aimed at propelling a transformation from high- to low-carbon economies, and from improved marginal economics.
- **Ahead of the curve.** The pandemic has accelerated the shift toward a more local and resilient world, which could favor those environmental, social, and governance (ESG) leaders that have already taken steps to reduce their environmental footprint and strengthen their supply chain relationships. Companies that have openly embraced diversity and remote working are likelier to boost employee retention and attract talent in a post-pandemic world. Better ESG data

means investors can increasingly customize portfolios by targeting the thematic or topic exposures that match their sustainability preferences.

- **Bonds with a future.** Bond investors typically hold onto investments for many years, so sustainability is a critical consideration. Green bonds have shown more defensive characteristics and higher average credit ratings than the corporate investment grade index as a whole, reflecting a lower share of cyclical industrials. Separately, bonds issued by multilateral development banks (MDBs) support developing nations in improving social and physical infrastructure, and social and environmental standards. They currently offer a yield pickup of 15bps over US Treasuries, while having comparable credit ratings and exhibiting similar long-term return behavior.
- **Making an impact.** Impact investing strategies target measurable positive social and environmental impact alongside market-rate financial returns. Investors have multiple options to add impact to their portfolios, including investing in private equity funds with an explicit sustainable development focus, such as the environment, healthcare, or renewables, or in engagement funds that help public companies achieve key sustainable outcomes, while benefiting commercially.

Diversify into private markets

With returns on traditional investments likely to be lower in the future, allocations to private equity and private debt may help enhance returns and diversify portfolios. Private markets have historically provided above-average returns following dislocations, and they can offer investors unique access to growth industries.

Returns on traditional assets are likely to be lower in the Decade of Transformation. In this context, private markets may offer an effective way to enhance portfolio return and diversification. The asset class has historically generated higher returns than listed markets, although it requires committing over a longer-term investment horizon. Part of private markets' return is attributed to an illiquidity premium, which is estimated to be 1–3 percentage points per year.

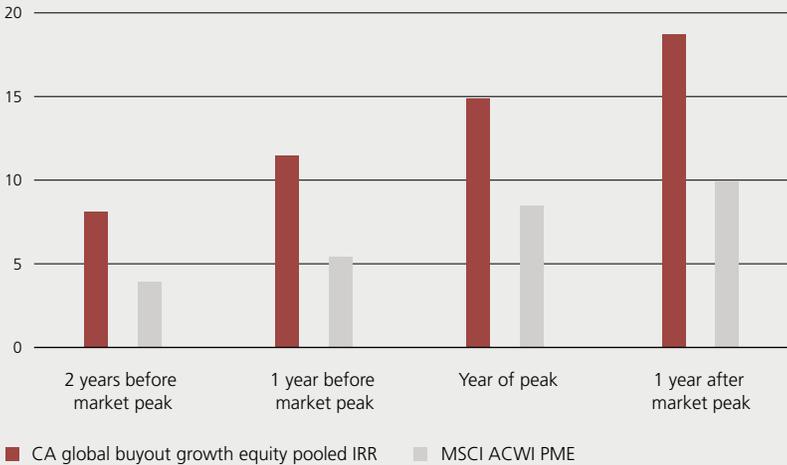
Private equity valuations overall are not stretched, in our view, either on an absolute or a relative basis. Companies in sectors that have demonstrated growth and recession resilience are trading at a premium, but we think this is justifiable. Meanwhile, the enterprise value-to-EBITDA ratio for US private equity-owned companies, based on S&P LCD deal data, is 10.9x, compared with 13.3x for the Russell 2000 small-cap index.

We think the current economic environment, one shaped by the negative economic fallout of the pandemic, low interest rates, and rapid technological change, offers a broad range of opportunities for private market managers, including:

- **Investing in dislocations.** The economic impact of the pandemic has left many businesses facing revenue losses or risk of closure. We expect a sizable supply of stressed, distressed, and default situations, as well as corporate carve-outs, across public and private markets in the coming quarters.

Post-recession vintages have generally outperformed pre-recession vintages

Vintage year Internal Rate of Return (IRR), in %



Source: Cambridge Associates, UBS, based on data compiled from 1,357 US private equity funds (buyout, growth equity, private equity energy, and mezzanine funds), including fully liquidated partnerships, formed between 1986 and 2016. Above graph references pre/post 2000, 2007 equity peaks. Public market equivalent (PME) is an estimate designed to provide a like-for-like comparison to private market returns.

Performance figures refer to the past and past performance is not a reliable indicator of future performance/results.

- **Enhanced yield.** With rates at historic lows, investors focused on yield may find it challenging to generate income. For investors willing to take on additional illiquidity and credit risk, private markets can provide enhanced yield opportunities through direct lending, core real estate, or infrastructure strategies.
- **Long-term growth.** Private equity is a key source of capital for innovative companies and so is well placed to provide investors with access to a broad range of growth thematics including 5G, fintech, healthtech, and greentech. Private equity can sometimes be a more effective means of gaining exposure to growth companies, since pure exposure to earlier-stage businesses can be hard to achieve in public markets.

A growing number of funds are now also available for investors with varying levels of wealth. But investors do need to be tolerant of the additional risks associated with private market investing, which include locking up capital for extended periods of time. Private

equity funds may also require investors to commit funds on a predetermined schedule, making cash flow planning critical. Private equity investing typically incurs higher fees and transaction costs than public investments demand.

How do private markets fit in a portfolio?

Illiquid asset classes, such as private equity and private real estate, can help investors to further enhance long-term growth potential. To fully harness the potential benefits from investing in private markets, it's important to fully diversify across strategies and fund vintages.

Even though private equity is different from listed equity in a number of important ways, it is still fundamentally an equity investment. Therefore, to preserve the risk characteristics of an overall portfolio, we recommend that investors who are buying private equity funds exchange

one unit of listed equity for one unit of private equity.

Investors need to ensure that the funds invested, as well as commitments made, are not required for other purposes over the next 10–15 years, since sufficient liquid funds to meet capital calls will be needed. We estimate that private equity allocations, as a percentage of an overall portfolio, of up to 10% for investors with a balanced risk profile or up to 20% for the most risk-tolerant investors are appropriate, in our view.

Appendix



2020 in review

In 2020, choices in one sphere of policymaking had unprecedented consequences in others. Health and economic policies melded, fiscal and monetary authorities moved as one, and humans and machines were forced closer together, even as social distancing pushed people farther apart.

Here is what happened as a result:

Growth

For the first time since 2009, the global economy looks set to contract, with GDP estimated to shrink by 3.8%. Policymakers mandated unprecedented mobility restrictions in an attempt to slow the spread of COVID-19, but also approved over USD 12tr in fiscal stimulus measures to help cushion the blow to individuals and businesses.

Rates

Monetary policy played a supporting role too, with over 30 major central banks cutting rates and some reintroducing quantitative easing measures.

Bonds

Accommodative monetary policy contributed to record-low yields. The 10-year US Treasury yield hit an all-time low in March, and over USD 17tr of bonds now have negative yields. After widening to 1,087bps and 373bps on liquidity and default concerns, US high yield and US investment grade credit spreads tightened to below 500bps and 130bps, respectively, on the back of a rapid recovery.

Stocks

We witnessed historically volatile markets and the fastest bear market on record. The combination of monetary and fiscal stimulus helped mitigate the initial shock of the pandemic, and led to a record-breaking market rebound. At the time of writing, year-to-date global stocks have returned 6.3%, the S&P 500 9.7%, the Euro Stoxx 50 fell 6.8%, and the SMI is down 2.4%. Growth stocks have outperformed value stocks by 29ppts, large-caps have outperformed mid-caps by 5ppts, and US defensives have outperformed cyclicals by almost 30 ppts.

Currencies

Safe-haven flows supported the US dollar in mid-March, helping it reach multi-year highs versus the euro. But while central banks around the world eased policy in the wake of the crisis, the Fed's easing program was more comprehensive than many other nations'. The US dollar index now trades 10% lower than the March peak.

Commodities

WTI oil contracts briefly traded in negative territory in April, reaching as low as USD -40/bbl when investors wanted to avoid taking physical delivery, before rebounding later in the year. Meanwhile, gold was one of the best-performing assets of the year, briefly climbing above USD 2,000/oz at its peak as real rates fell and the US dollar declined.

Hedge funds

Survey data indicates that hedge funds lived up to investor expectations in 2020 triggering renewed interest in the asset class. Managers successfully mitigated downside risk in March/April and subsequently took advantage of

temporary dislocations to generate returns. Performance across strategies, however, varies. Top performing strategies included tech, healthcare, equity long/short, discretionary macro, and multistrategy funds. Meanwhile CTAs, structured credit, and other event-driven funds lagged other strategies.

Throughout the year we held a pro-risk stance, looking for opportunities across credit and equities as they arose, given our view that fiscal and monetary policy would prove sufficient to prevent the health and economic crisis tipping into a financial one. We also sought exposure to secular themes, including technology, sustainability, and healthcare, which we view as long-term beneficiaries as we transition to a more indebted, more local, and more digital world.

Asset class forecasts

Commodities

	Spot	Jun 21	Dec 21
Brent crude oil (USD/bbl)	44.4	52.0	60.0
WTI crude oil (USD/bbl)	42.2	50.0	57.0
Gold (USD/oz)	1,875	1,950	1,850
Silver (USD/oz)	24.2	25.0	23.0
Copper (USD/mt)	6,932	7,000	6,700

Source: UBS, as of 11 November 2020

Currencies

Developed markets

	Spot	Jun 21	Dec 21	PPP
EURUSD	1.18	1.21	1.23	1.29
USDJPY	106	105	107	76
GBPUSD	1.32	1.34	1.37	1.54
USDCHF	0.92	0.89	0.89	0.93
EURCHF	1.08	1.09	1.10	1.19
EURGBP	0.89	0.90	0.90	0.83
AUDUSD	0.73	0.75	0.77	0.66
USDCAD	1.31	1.26	1.24	1.21
EURSEK	10.18	10.20	10.10	9.66
EURNOK	10.68	10.40	10.30	10.83

Source: UBS, as of 11 November 2020

Emerging markets

	Spot	Jun 21	Dec 21
USDCNY	6.6	6.3	6.3
USDIDR	14,085	13,800	13,800
USDINR	74.4	71.0	70.0
USDKRW	1,110	1,100	1,060
USDRUB	76	65	65
USDTRY	7.8	7.3	7.9
USDBRL	5.4	5.0	5.0
USDMXN	20.6	21.0	21.5

Source: UBS, as of 11 November 2020

Rates and bonds

	Base rates			10-year yields (%)		
	Current	2021E	2022E	Spot	Jun 21	Dec 21
USD	0.13	0.09	0.09	0.96	0.85	0.90
EUR	-0.50	-0.50	-0.50	-0.49	-0.40	-0.40
CHF	-0.75	-0.75	-0.75	-0.43	-0.50	-0.50
GBP	0.10	0.10	0.10	0.40	0.30	0.40
JPY	-0.03	-0.10	-0.10	0.05	0.00	0.00

Source: UBS, as of 11 November 2020

Economic forecasts

	GDP growth (%)			Inflation (%)		
	2019	2020E	2021E	2019	2020E	2021E
Americas						
US	2.2	-3.6	3.6	1.8	1.2	1.1
Brazil	1.1	-4.5	3.0	3.7	3.1	4.3
Canada	1.6	-5.4	4.3	1.9	0.6	1.3
Europe						
Eurozone	1.3	-7.4	5.2	1.2	0.2	1.0
– Germany	0.6	-5.8	4.1	1.4	0.4	1.0
– France	1.5	-9.6	6.8	1.3	0.5	0.8
– Italy	0.3	-8.8	5.8	0.6	-0.2	0.3
– Spain	2.0	-11.4	6.0	0.8	-0.4	0.6
UK	1.3	-11.3	5.0	1.8	0.8	1.5
Russia	1.3	-3.5	2.7	4.5	3.3	3.9
Switzerland	1.1	-4.5	3.2	0.4	-0.7	0.2
Asia						
China	6.1	2.1	7.5	2.9	2.6	1.8
Japan	0.7	-5.2	3.2	0.5	0.0	-0.1
India	4.2	-10.5	10.0	4.8	5.9	4.0
South Korea	2.0	-2.0	4.8	0.4	0.7	1.4
Developed markets	1.6	-5.4	4.2	1.4	0.7	1.0
Emerging markets	4.0	-2.8	6.7	4.4	4.0	3.6
World	3.0	-3.8	5.6	3.1	2.6	2.5

E= Estimate

Source: UBS, as of 11 November 2020

Impressum

Year Ahead 2021 – UBS House View

This report reflects the insights and perspective from the entire CIO team across the globe and demonstrates the intellectual leadership of UBS.

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Nontraditional asset classes are alternative investments that include hedge funds, private equity, real estate, and managed futures (collectively, alternative investments). Interests of alternative investment funds are sold only to qualified investors, and only by means of offering documents that include information about the risks, performance and expenses of alternative investment funds, and which clients are urged to read carefully before subscribing and retain. An investment in an alternative investment fund is speculative and involves significant risks. Specifically, these investments (1) are not mutual funds and are not subject to the same regulatory requirements as mutual funds; (2) may have performance that is volatile, and investors may lose all or a substantial amount of their investment; (3) may engage in leverage and other speculative investment practices that may increase the risk of investment loss; (4) are long-term, illiquid investments; there is generally no secondary market for the interests of a fund, and none is expected to develop; (5) interests of alternative investment funds typically will be illiquid and subject to restrictions on transfer; (6) may not be required to provide periodic pricing or valuation information to investors; (7) generally involve complex tax strategies and there may be delays in distributing tax information to investors; (8) are subject to high fees, including management fees and other fees and expenses, all of which will reduce profits.

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- **Private Equity:** There are risks specifically associated with investing in private equity. Capital calls can be made on short notice, and the failure to meet capital calls can result in significant adverse consequences including, but not limited to, a total loss of investment.
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