

AGENDA INVESTMENT COMMITTEE MEETING OF THE EL CAMINO HOSPITAL BOARD

Monday, August 12, 2019 – 6:00pm

El Camino Hospital | Conference Room A (ground floor) 2500 Grant Road, Mountain View, CA 94040

PURPOSE: To develop and recommend to the El Camino Hospital Board of Directors the organization's investment policies, maintain current knowledge of the management and investment of the invested funds of the hospital and its pension plan(s), provide guidance to management in its investment management role, and provide oversight of the allocation of the investment assets.

	AGENDA ITEM	PRESENTED BY		ESTIMATED TIMES
1.	CALL TO ORDER / ROLL CALL	Gary Kalbach, Chair		6:00 – 6:02 pm
2.	POTENTIAL CONFLICT OF INTEREST DISCLOSURES	Gary Kalbach, Chair		6:02 – 6:03
3.	PUBLIC COMMUNICATION a. Oral Comments This opportunity is provided for persons in the audience to make a brief statement, not to exceed 3 minutes on issues or concerns not covered by the agenda. b. Written Correspondence	Gary Kalbach, Chair	public comment	information 6:03 – 6:06
4.	CONSENT CALENDAR Any Committee Member or member of the public may remove an item for discussion before a motion is made. Approval a. Minutes of the Open Session of the Investment Committee Meeting – May 13, 2019 Information b. FY20 Pacing Plan c. Progress Against FY19 Investment Committee Goals d. CFO Report Out - Open Session Finance Committee Materials e. Article of Interest	Gary Kalbach, Chair	public comment	motion required 6:06 – 6:09
5.	REPORT ON BOARD ACTIONS ATTACHMENT 5	Gary Kalbach, Chair		information 6:09 – 6:14
6.	APPOINTMENT OF VICE CHAIR	Gary Kalbach, Chair		information 6:14 – 6:16
7.	ALTERNATIVE INVESTMENT ITEM	Gary Kalbach, Chair		discussion 6:16 – 6:26
8.	 INVESTMENT REVIEW ITEMS a. Capital Markets Review & Portfolio Performance b. Tactical Asset Allocation Positioning and Market Outlook ATTACHMENT 8 	Antonio DiCosola and Chris Kuhlman, Pavilion, a Mercer Practice		information 6:26 – 7:11
9.	ENVIRONMENTAL, SOCIAL & CORPORATE GOVERNANCE (ESG) INVESTING ATTACHMENT 9	Antonio DiCosola and Chris Kuhlman, Pavilion, a Mercer Practice		information 7:11 – 7:36

A copy of the agenda for the Regular Meeting will be posted and distributed at least seventy-two (72) hours prior to the meeting. In observance of the Americans with Disabilities Act, please notify us at (650) 988-7504 prior to the meeting so that we may provide the agenda in alternative formats or make disability-related modifications and accommodations.

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	AGENDA ITEM	PRESENTED BY		ESTIMATED TIMES
10.	ADJOURN TO CLOSED SESSION	Gary Kalbach, Chair		motion required 7:36 – 7:37
11.	POTENTIAL CONFLICT OF INTEREST DISCLOSURES	Gary Kalbach, Chair		7:37 – 7:38
12.	CONSENT CALENDAR Any Committee Member may remove an item for discussion before a motion is made. Approval Gov't Code Section 54957.2. a. Minutes of the Closed Session of the Investment Committee Meeting (5/13/2019)	Gary Kalbach, Chair		motion required 7:38 – 7:41
13.	ADJOURN TO OPEN SESSION	Gary Kalbach, Chair		motion required 7:41 -7:42
14.	RECONVENE OPEN SESSION / REPORT OUT	Gary Kalbach, Chair		7:42 – 7:43
	To report any required disclosures regarding permissible actions taken during Closed Session.			
15.	INVESTMENT ADVISOR REVIEW ATTACHMENT 15	Gary Kalbach, Chair	public comment	possible motion 7:43 – 7:58
16.	ADJOURNMENT	Gary Kalbach, Chair	public comment	motion required 7:58 – 7:59

Upcoming Meetings:

<u>Regular Meetings</u>: November 11, 2019, January 27, 2020*, February 10, 2020, May 11, 2020 <u>Education Sessions</u>: October 23, 2019; April 22, 2020

^{*}Joint with Finance Committee



Minutes of the Open Session of the Investment Committee of the Board of Directors Monday, May 13, 2019 El Camino Hospital, 2500 Grant Road, Mountain View, California Conference Room A

Members Present

Nicola Boone John Conover Jeffrey Davis, Chair Gary Kalbach Members Absent

George Ting, MD Brooks Nelson **Members Excused**

A quorum was present at the El Camino Hospital Investment Committee on Monday, May 13, 2019 meeting.

Ag	enda Item	Comments/Discussion	Approvals/Action
1.	CALL TO ORDER/ ROLL CALL	The open session meeting of the Investment Committee of El Camino Hospital (the "Committee") was called to order at 5:30pm by Committee Member Gary Kalbach at the request of Chair Davis. Committee Chair Jeffrey Davis, MD and Committee Members Brooks Nelson and George Ting, MD were absent. All other Committee members were present.	None
2.	POTENTIAL CONFLICT OF INTEREST DISCLOSURES	Mr. Kalbach asked if any Committee member or anyone in the audience believes that a Committee member may have a conflict of interest on any of the items on the agenda. No conflict of interest was reported.	None
3.	PUBLIC COMMUNICATION	Mr. Kalbach asked if there was any public communication to present. None were noted.	None
4.	CONSENT CALENDAR ITEMS	This item was deferred until the end of the meeting due to lack of a quorum.	Deferred to 2 nd Open Session
5.	REPORT ON BOARD ACTIONS	At Mr. Kalbach's request, Cindy Murphy, Director of Governance Services, briefly reviewed the Report on Board Actions as further detailed in the packet.	Information
6.	403(b) INVESTMENT PERFORMANCE	Brian Montanez of the Multnomah Group, summarized the Hospital's 403(b) Plan Performance. Mr. Montanez reviewed the Fund Actions, including (1) the New York Life Guaranteed Interest Account moving to a lower share class, increasing the yield by 25 basis points; (2) the final Principal Fixed Account transfer payment was made for the 403(b) Plan; (3) American Beacon Stephens Small Cap Growth was replaced with Conestoga Small cap due to continued under performance; and (4) Fidelity Government Money Market was replaced with Vanguard Federal Money Market for expense reasons. Mr. Montanez explained that T. Rowe Price Equity Income is the only investment in the menu that scores in the bottom half of Multnomah's Group Qualitative Scoring peer group but performance has picked up under the new manager's tenure and Multnomah believes it is a solid option. He also reported that the fixed dollar fee arrangement was reduced from \$91 to \$81 per	

Agenda Item	Comments/Discussion	Approvals/Action
	participant which is well within the range of similarly sized plans with similar services.	
	Mr. Montanez reviewed the Fund Scorecard with the Committee and asked if any of the Committee members had any concerns about any of the plans investments. No concerns were raised.	
7. HEDGE FUND RESEARCH AND DUE DILIGENCE	Alex Da Costa of Pavilion described Pavilion/Mercer's dedicated hedge fund research team as one of the largest teams doing this type of work. He explained what hedge funds are, and how using them can improve the risk/reward proposition through the flexibility inherent in hedge funds. He also explained that hedge funds can play a role in portfolios as they can provide attractive risk adjusted returns relative to traditional stock and bond portfolios and provide diversified exposures to traditional stock and bond portfolios.	
	Chair Davis arrived at 6:03 pm. Mr. Da Costa reported that Mercer's hedge fund philosophy is to diversify the return drivers in the growth portfolio and generate attractive risk-adjusted returns relative to equities over a market cycle. In evaluating hedge funds, Mercer's operational due diligence team does a deep dive into the quality of service, the fund auditor, the fund administrator, the valuation policy, and brokerage firms utilized. He also explained that four main areas (factors) are looked at when assessing a hedge fund strategy: Idea Generation, Portfolio Construction, Implementation and Business Management, and described Mercer's process including research, reporting, legal assessment and due diligence. Antonio DiCosola of Pavilion clarified that in cases where ECH must redeem from a hedge fund in a timely manner, Iftikhar	
	Hussain, CFO, makes that decision on Pavilion's recommendation and that is subsequently reported to the Committee, but going into a new fund is brought to the Committee for discussion.	
8. AGENDA ITEM 9 -	This item was taken out of order.	
ASSEST ALLOCATION REVIEW AND ERM FRAMEWORK	Antonio DiCosola and Chris Kuhlman of Pavilion presented a Healthcare Enterprise Risk Modeling analysis. Using ECH's Long Range Financial Plan from January 2019, the analysis incorporates the overall risks and financial situation of the organization into a review of the Surplus Cash Portfolio asset allocation. They reported that there is no need for ECH to reduce risk in its portfolio at this time due to strong financial position and strong operations. They also reported that ECH can maintain a long term investment horizon and weather bouts of volatility. If the Committee desires, ECH has the ability to increase its risk and return profile or allocate a higher percentage to illiquid	
	and return profile or allocate a higher percentage to illiquid strategies. They explained this is based on the following:	

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Agenda Item	Comments/Discussion	Approvals/Action
9. AGENDA ITEM 8 - EL CAMINO HOSPITAL QUARTERLY PE- EXECUTIVE SUMMARY 1Q19	 ECH is above its peers across all financial metrics; ECH's 603 Days Cash on Hand ("DCOH") at the end of FY18 is significantly higher than Moody's peer median (252.4) and is projected to stay significantly higher through 2028; Cash Balance is abnormally high, but being drawn down to cover major capital projects; Cash to debt is projected to stay above 200% and eventually rise above 400% in 2028 after completion of spending reserved for major projects; and Negative cash flow will slow down after planned major capital project spending is complete in 2026. Mr. DiCosola and Mr. Kuhlman reviewed ECH's current asset allocation, a comparison to healthcare peers and possible asset allocation scenarios that would either reduce or increase risk. They reviewed the variability of expected return over 1 year and 5 years of each scenario, the historical scenario analysis, a downside stress test and liquidity comparison. Mr. DiCosola commented that the purpose of this exercise is to think about long term needs and strategic allocations. Mr. Kalbach commented that perhaps ECH should consider more investment in its own business, Dan Woods, CEO, and Iftikhar Hussain, CFO, commented that there is no need to reduce risk right now and Mr. Kalbach noted that there is no urgency to make any significant change right now. Mr. DiCosola reviewed the Investment Committee Scorecard noting that performance is in line with or better than benchmark and that the Cash Balance Plan has more equity exposure and has had stronger performance as a result given the recent market environment. The Surplus Cash portfolio was up 6.7% in the first quarter, in line with its benchmark, and is 20 basis points ahead since inception. The Cash Balance Plan was up 8.3% in the first quarter, performing better than its benchmark, and is 70 basis points ahead since inception. He reviewed the Market Value Reconciliation noting that the Surplus Cash has gone from \$216.8 million to \$270.7 million i	

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Agenda Item	Comments/Discussion	Approvals/Action
10. HEDGE FUND CHANGE	Mr. Da Costa gave a report on 1 st Quarter Investment Activity reporting that ECH has submitted a redemption request for the Chatham Asset Management High Yield Offshore Fund effective June 30, 2019 and explained the reasons for doing so including observations of increasing illiquidity in the portfolio and negative press allegations of market manipulation. Though Pavilion's research showed no evidence of manipulation, they thought it prudent to step back from the investment.	
11. ADJOURN TO CLOSED SESSION	Motion: To adjourn to closed session at 7:30pm. Movant: Kalbach Second: Boone Ayes:, Boone, Conover, Davis, Kalbach Abstentions: None Absent: Ting, Nelson Excused: None Recused: None	A motion to adjourn to the Closed Session at 7:30 pm was approved.
12. AGENDA ITEM 15 RECONVENE OPEN SESSION	Agenda Items 12 -14 were conducted in closed session. The Closed Session Minutes of the February 25, 2019 meeting were approved by a unanimous vote of all members present (Boone, Conover, Davis, Kalbach).	
13. AGENDA ITEM 4 – CONSENT CALENDAR	Chair Davis asked if any Committee member wished to remove any items from the consent calendar for discussion. Cindy Murphy, Director of Governance Services, suggested that the Committee could select an Educational Item for Goal #2 of the Committee's Proposed FY20 Committee Goals. Mr. Hussain suggested several topics and the Committee requested that an educational presentation on Environmental, Social, and Governance ("ESG") investing be added to Goal #2. Motion: To approve the consent calendar: Open Minutes of the February 25, 2019 Investment Committee Meeting, Proposed FY20 Committee Goals (as amended) and Proposed FY20 Pacing Plan; and for information: CFO Report Out on Open Session Finance Committee Materials, Progress against FY19 Investment Committee Goals and Article of Interest. Movant: Kalbach Second: Boone Aves:, Boone, Conover, Davis, Kalbach Abstentions: None Absent: Nelson, Ting Excused: None Recused: None	The Open Session Minutes of the February 25, 2019 Investment Committee Meeting, the FY20 Pacing Plan and the Proposed FY 20 Committee Goals (as amended) were approved.

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Agenda Item	Comments/Discussion	Approvals/Action
14. AGENDA ITEM 16	Motion: To adjourn the Investment Committee meeting at	A motion to adjourn to
ADJOURMENT	7:40 pm.	the Investment
		Committee meeting
	Movant: Kalbach	at 7:40 pm was
	Second: Conover	approved.
	Ayes:, Boone, Conover, Davis, Kalbach	
	Abstentions: None	
	Absent: Ting, Nelson	
	Excused: None	
	Recused: None	

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Gary Kalbach, Chair, Investment Committee

INVESTMENT COMMITTEE PACING PLAN Revised 05/13/2019

FY 2020: Q1						
JULY - NO MEETING	AUGUST 12, 2019 Meeting	SEPTEMBER - NO MEETING				
OCTOBER - NO MEETING October 23, 2019 - Board and Committee Educational Session	 Capital Markets Review and Portfolio Performance Tactical Asset Allocation Positioning and Market Outlook Education Topic: Env./Social Governance CFO Report Out – Open Session Finance Committee Materials FY 2020: Q2 NOVEMBER 11, 2019 Meeting Capital Markets Review and Portfolio Performance Tactical Asset Allocation Positioning and Market Outlook Investment Policy Review 	DECEMBER - NO MEETING N/A				
	 CFO Report Out – Open Session Finance 					
	Committee Materials					
	FY 2020: Q3					
JANUARY 27, 2020	FEBRUARY - 10, 2020 Meeting	MARCH - NO MEETING				
Joint Finance Committee and Investment Committee meeting.	 Capital Markets Review and Portfolio Performance Tactical Asset Allocation Positioning and Market Outlook CFO Report Out – Open Session Finance Committee Materials Proposed FY 2021 Goals/Pacing Plan/Meeting Dates 	N/A				
	FY 2020: Q4					
APRIL - NO MEETING	MAY 11, 2020 Meeting	JUNE - NO MEETING				
April 22, 2020 – Board and Committee Educational Session	 Capital Markets Review and Portfolio Performance Tactical Asset Allocation Positioning and Market Outlook Asset Allocation Review and ERM Framework CFO Report Out – Open Session Finance Committee Materials 403(b) Investment Performance Approve FY 21 Committee Goal Review status of FY20 Goals 	N/A				



FY20 COMMITTEE GOALS

Investment Committee

PURPOSE

The purpose of the Investment Committee is to develop and recommend to the El Camino Hospital (ECH) Board of Directors ("Board") the investment policies governing the Hospital's assets, maintain current knowledge of the management and investment funds of the Hospital, and provide oversight of the allocation of the investment assets.

STAFF: **Iftikhar Hussain**, Chief Financial Officer (Executive Sponsor)

The CFO shall serve as the primary staff to support the Committee and is responsible for drafting the Committee meeting agenda for the Committee Chair's consideration. Additional members of the Executive Team or hospital staff may participate in the meetings upon the recommendation of the CFO and at the discretion of the Committee Chair. The CEO is an ex-officio member of this Committee.

G	DALS	TIMELINE	METRICS
1.	Review performance of consultant recommendations of managers and asset allocations	Each quarter - ongoing	Committee to review selection of money managers and make recommendations to the CFO
2.	Education Topic: Environmental and Social Governance	FY20 Q1	Completed by August 2020
3.	Asset Allocation, Investment Policy Review and ERM framework including Efficient Frontier	Q4	Completed by May 2020

SUBMITTED BY:

Chair: Jeffrey Davis, MD

Executive Sponsor: Iftikhar Hussain

Approved by the ECH Board of Directors 6/12/2019

Item:	Finance Committee Report
	El Camino Hospital Investment Committee (IC)
	August 12, 2019
Responsible party:	Iftikhar Hussain, CFO
Action requested:	For Information

Background: The Finance Committee meets 7 times per year. The Committee last met on July 29, 2019 and meets next on September 23, 2019

Summary and session objectives:

To update the Investment Committee on the work of the Finance Committee.

a. Reviewed FY 19 fiscal year end financial report. Consolidated operating margin was 24.6 million ahead of budget mainly due to higher revenues including \$23 million in non-recurring items. Revenue cycle operations continue outstanding performance with cash collection and days in AR ahead of target. Commercial payer mix was unfavorable which is concerning since this is the only payer group where the revenue covers the expenses.

Proposed Board motion, if any:

- a. Approval of capital funding for ED remodel and radiation oncology equipment.
- b. Reviewed updated Long Term forecast
- c. Approval of heart failure medical director, cardiothoracic surgery call panel, and colon-rectal physician income guarantee contracts.

LIST OF ATTACHMENTS:

The Finance Committee Open Session Materials may be accessed by clicking here.



How 11 health systems are spending millions in innovation dollars for new initiatives in 2019

Becker's Hospital Review

Laura Dyrda | Thursday, July 11th, 2019

Hospitals and health systems are investing in innovation centers, artificial intelligence, technology startups, telemedicine and hospitals of the future.

Here are 11 hospitals, health systems and healthcare providers that are spending on new companies, initiatives and institutes focused on technology and healthcare innovation over the past six months.

NewYork-Presbyterian in New York City launched the Hauser Institute for Health Innovation after receiving more than \$50 million since 2011 from philanthropists Rita Hauser and Gustave Hauser to improve the health system's telemedicine programs.

Cedars-Sinai Medical Center in Los Angeles has become a founding sponsor of Bioscience Los Angeles County, a nonprofit organization supporting life sciences innovation among research hospitals, academic institutions and public institutions.

Charlotte, N.C.-based Atrium Health, Cleveland Clinic and the Long Beach, Calif.-based MemorialCare Fund invested \$3 million in Xealth, Seattle-based digital health startup, to help the company close a \$14 million Series A financing round. UPMC, Froedtert and the Medical College of Wisconsin are also investors in the company.

Hartford (Conn.) HealthCare has promised a \$500,000 investment in a health technology accelerator that aims to bring new medtech startups to the city.

The University of Arkansas for Medical Sciences in Little Rock established the Institute for Digital Health and Innovation to enhance telemedicine and digital health services. The institute will initially focus on increasing access to technology for video consultations and seek partnerships with other health systems to broaden the specialties it offers patients.

Providence St. Joseph Health partnered with Microsoft to build a new high-tech hospital that will improve the health system's EMR in addition to evolving the hospital model. Providence St. Joseph

Health in Renton, Wash., acquired a Seattle-based healthcare technology company Lumedic, which uses blockchain technology to improve revenue cycle management. The health system also acquired Epic Consulting firm Bluetree as part of its strategy to diversify its revenue and support patient care.

So far in 2019, New York City-based Mount Sinai Health System has launched several innovation institutes and initiatives. It partnered with LabCorp to establish the Digital and Artificial Intelligence-Enabled Pathology Center of Excellence within its department of pathology, molecular and cell-based medicine. The health system also partnered with Hasso Plattner Institute in Potsdam, Germany, to establish a digital health institute. Finally, the health system opened the Center for Computational Immunology at its Icahn School of Medicine, which will allow researchers to use genomics, machine learning and immunology to develop precision treatments.

Winston-Salem, N.C.-based Novant Health launched the Institute of Innovation & Artificial Intelligence, which aims to use advanced technology to personalize patient care. It will also partner with technology companies and research organizations to reach its goals.

Cleveland Clinic formed the Center for Clinical Artificial Intelligence to further the use of technology in diagnostics, disease prediction and treatment plans. The Cleveland Clinic Enterprise Analytics launched the center, which has already begun building machine learning models to identify patients at high risk of death during admission and several projects focused on personalized cancer care.

Emory University in Atlanta is planning a \$1 billion "health innovation district" in Brookhaven, Ga. It filed an application with the city in May and would expect the development, which would include a hospital and hotel as well as commercial space, to take 15 years to complete.



EL CAMINO HOSPITAL COMMITTEE MEETING COVER MEMO

To: Investment Committee

From: Cindy Murphy, Director of Governance Services

Date: August 12, 2019

Subject: Report on Board Actions

Purpose:

To keep the Committee informed with regards to actions taken by the El Camino Hospital and El Camino Healthcare District Boards.

Summary:

- 1. <u>Situation</u>: It is important to keep the Committees informed about Board activity to provide context for Committee work. The list below is not meant to be exhaustive, but includes agenda items the Board voted on that are most likely to be of interest to or pertinent to the work of El Camino Hospital's Board Advisory Committees.
- **2.** <u>Authority</u>: This is being brought to the Committees at the request of the Board and the Committees.
- 3. <u>Background</u>: Since the last Investment Committee Meeting the Hospital Board has met once and the District Board has met once. In addition, since the Board has delegated certain authority to the Compliance and Audit Committee, the Finance Committee and the Executive Compensation Committee those approvals are also noted in this report.

A. ECH Board Actions

June 12, 2019

- Approved FY19 Period 10 Financials
- Approved FY20 Organizational Goals
- Approved FY20 El Camino Hospital Capital and Operating Budget
- Approved FY20 Community Benefit Plan
- Approved FY20 CEO Salary Range
- Approved FY20 Master Calendar, Committee Appointments and Committee Goals
- Approved Infection Control Medical Director Agreement

B. <u>ECHD Board Actions</u>

June 18, 2019

- Approved Resolution 2019-05 Recognizing ECH Community Benefit Grantee Cristo Rey San Jose Jesuit High School
- Approved Resolution 2019-06 Establishing Tax Appropriation Limit
- Approved FY20 Community Benefit Plan

- Approved FY20 ECH Capital and Operating Budget, FY20 ECHD Consolidated and Stand-Alone Budget and FY19 Period 10 Financials
- Allocated \$6,958,521 of tax revenues to the Mountain View Campus Women's Hospital Expansion/Renovation/Reconstruction Project
- Appointed Director Julia Miller as the District's Liaison to the Community Benefit Advisory Council
- Elected New Board Officers
 - o Gary Kalbach, Chair
 - o George O. Ting, MD, Vice Chair
 - o Julia Miller, Secretary/Treasurer
- Appointed Julia Miller as Chair of the ECH Board Member Election and Re-Election Ad Hoc Committee, George O. Ting, MD as a member of the Committee and Lanhee Chen and Christina Lai as advisors.

C. Finance Committee Actions

- Approved Lithotripsy Professional Services Agreement and Behavioral Health Unit On-Call Panel Agreements
- Approved Funding for MV Campus Signage not to exceed \$2.5 million
- D. Compliance and Audit Committee: None since last report.
- **E.** Executive Compensation Committee Actions
 - Approved FY20 Executive Bases Salary Ranges and Base Salaries
 - Approved FY20 Individual Executive Goals
- **4.** Assessment: N/A
- 5. Other Reviews: N/A
- 6. Outcomes: N/A

<u>List of Attachments</u>: None.

Suggested Committee Discussion Questions: None

El Camino Hospital

Executive Summary





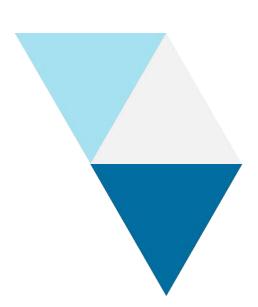


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Capital Markets Review



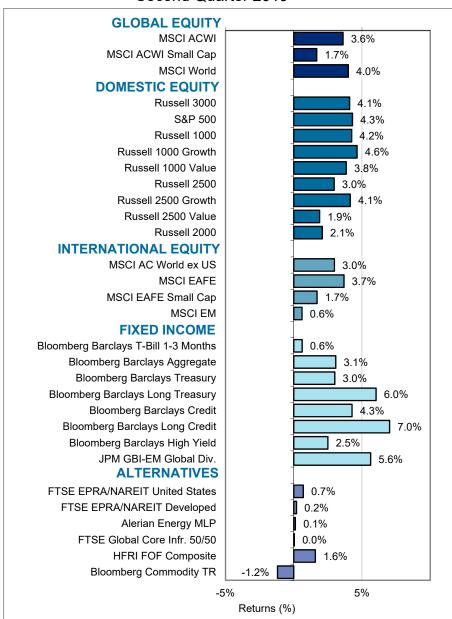




Performance Summary

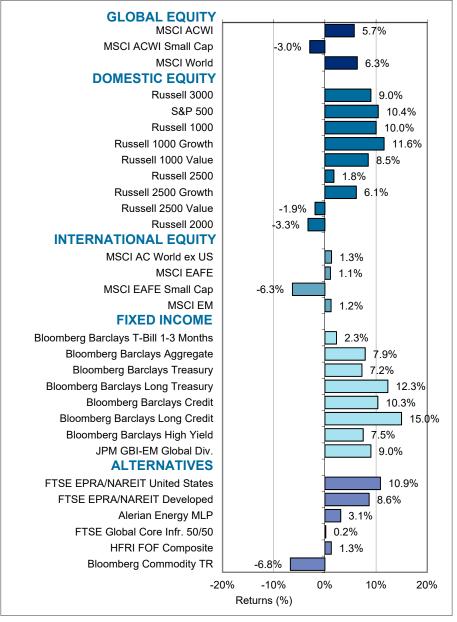
Market Performance

Second Quarter 2019



Market Performance

1-Year



Source: Standard & Poor's, Russell, MSCI Barra, NAREIT, Bloomberg



Performance Drivers

1. The Fed signaled rate cuts

- The Fed left rates unchanged in Q2, but signaled that the next move likely will be lower. While the median of the "dot-plot" suggests no rate cuts in 2019, eight of the seventeen responses projected at least one cut.
- The bond market suggests a rate cut is highly likely at the July meeting and that the Fed will cut rates four times by the end of 2020.
- The Fed's estimate of the long-term (neutral) Fed Funds rate declined from 2.75% to 2.5%.
- **Mercer View:** The Fed has shifted to a more dovish stance over the past few quarters as it seeks to increase inflation expectations and provide "insurance" against an economic slowdown. Interest rate cuts in the second half of 2019 are likely. This should ease financial conditions and may extend the economic cycle. Nevertheless, economic conditions do not seem to support the degree of rate cuts priced by the bond market.

2. Global growth continues to slow from its above-trend pace

- The World Bank projects global growth to slow to 2.6% this year, down from 3.0% in 2018. The growth slowdown has been most pronounced in Europe. Global manufacturing activity has slowed sharply.
- Job and wage growth along with low debt service, particularly in the US, should support consumer spending.
- The key downside risks are rising trade tensions, uncertainty in the Eurozone and a further slowdown in China.
- Mercer View: While growth is slowing and many economies face late cycle dynamics, we expect the
 expansion to continue and believe a deep recession is unlikely over the next year. Low inflation enables
 central banks to ease policy, which should help extend the cycle. Uncertainty regarding tariffs and trade are
 likely to contribute to volatility in markets and may continue to weigh on business investment.

3. Trade tensions and geopolitical risks continue to cause uncertainty

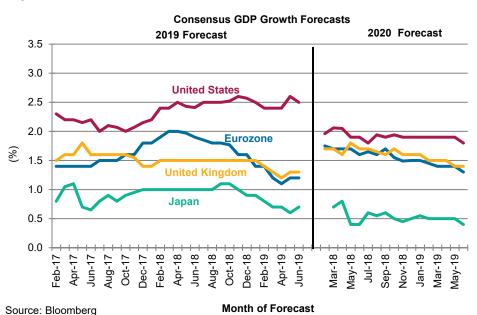
- Trade risks remain at the forefront, as tensions escalated once again between the US and China. The US
 administration's threat of tariffs on Mexico over immigration caught most by surprise and adds to the
 uncertainty for businesses looking to make long-term investments.
- The UK is nearing the selection of a replacement for Prime Minister May, and it is unclear how this might impact Brexit.
- Tensions between the US and Iran have escalated and present risks to global oil markets.
- **Mercer View:** Geopolitical risks remain elevated, and are likely to be a source of market volatility and downside risk.

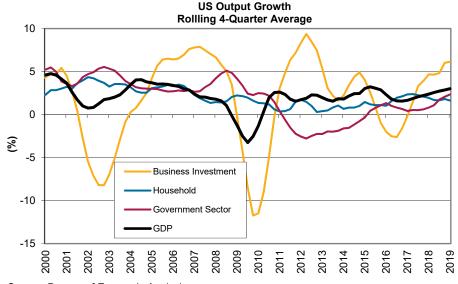


Economic Fundamentals

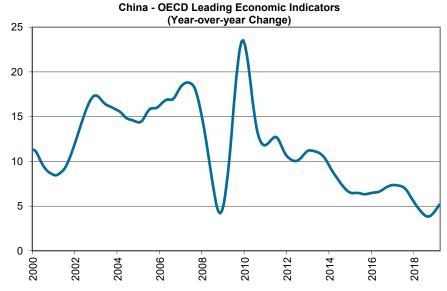
Growth Slowing, but Should Remain Positive in 2019

- US economic growth is expected to slow as the boost from tax cuts fades. US households remain in solid shape, but the slowdown in business investment in recent months is concerning.
- The slowdown has been most acute in the Eurozone, and consensus growth forecasts have been revised lower over the course of the year, but near trend.
- The growth outlook for emerging market economies will be influenced by trade. While China is expected to offset some of the drag from trade with looser monetary and fiscal policy, the outcome is difficult to predict.





Source: Bureau of Economic Analysis



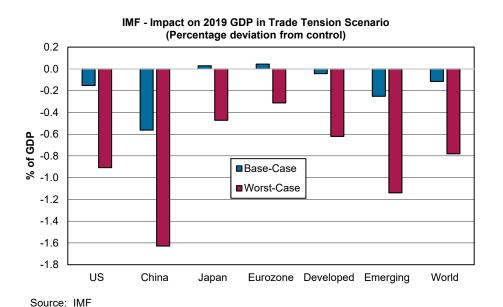
Source: Bloomberg

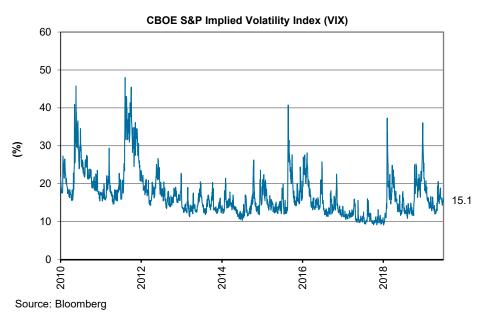


Risk Factors

Conditions Ease After FED and Trade Announcements

- Financial conditions eased somewhat relative to the end of Q1. After tightening in May as trade disputes intensified, conditions eased in June as the US and China agreed to re-open trade negotiations and the Fed suggested a more dovish policy.
- The VIX index also trended higher through April and May before reversing in June as concerns over trade and monetary policy abated.
- Uneven economic growth, Brexit, and populist movements raise risks across Europe.









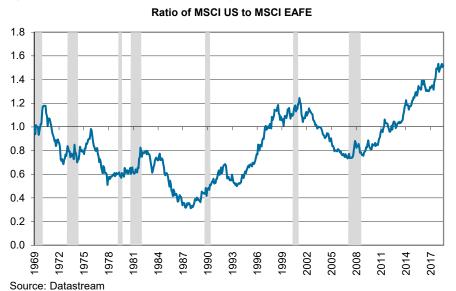




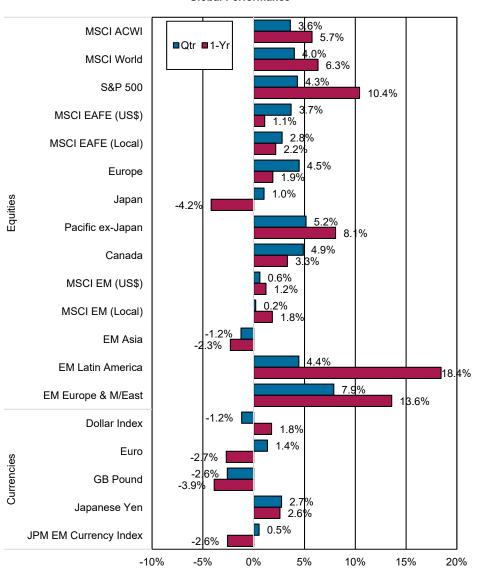
Regional Equity Returns

Developed Markets Outperformed in Q2

- Global equities gained 3.6% in Q2 as investors priced easier monetary policy.
- US markets continued to outperform with the S&P 500 returning 4.3% in Q2. US stocks gained more than 10% over the last year.
- International developed stocks returned 3.7% during Q2, helped by a modest decline in the dollar. The MSCI EAFE index gained 1.1% over the last year.
- Emerging market equities returned 0.6% in Q2, lagging developed markets by 340 bps as trade uncertainty persisted. Emerging market equities have gained 1.2% over the last year.



Global Performance



Source: Bloomberg, Datastream



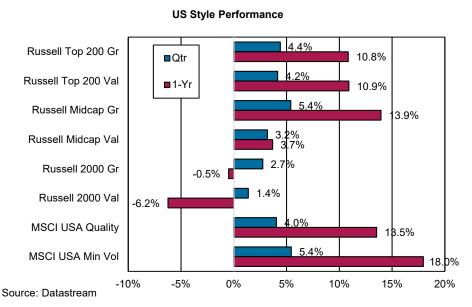
US Equity Factor and Sector Returns

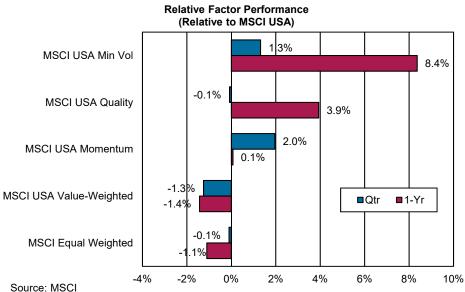
Small Caps Lagged, While Growth Modestly Outperformed

- Growth stocks generally displayed modest outperformance relative to value during Q2, with midcap growth producing the strongest results. Financials were the best performing sector, returning 7.3%.
- Large and mid-cap stocks outperformed small-cap stocks in Q2.
- Momentum and low volatility stocks outperformed the broad market during the quarter. Value stocks lagged the broader market, while quality stocks performed in line with the market.

MSCI USA Sector Returns 5.1% Cons. Disc. Qtr 10.4% ■1-Yr Cons. Staples 16.0% Energy -13.4% Financials 1 1 5% Health Care 12.9% Industrials 10.5% 5.7% Info. Tech. 14.4% 5.8% Materials Real Estate 16.8% Comm. Services 21.9% Utilities -20% -15% -10% -5% 5% 10% 15% 20% 25%

Source: Bloomberg



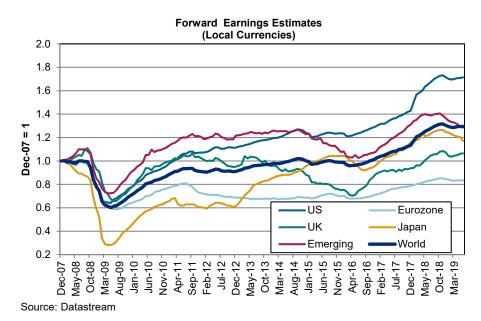


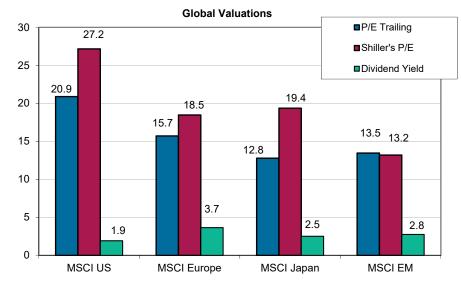


Equity Valuations

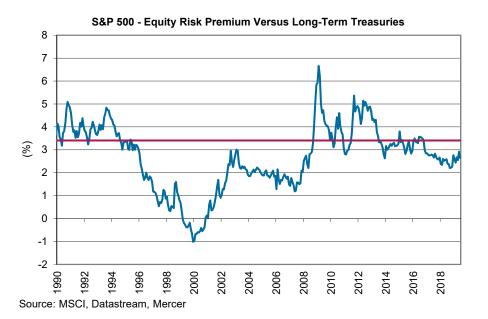
Valuations Moved Slightly Higher

- The market gains during the quarter lifted the trailing P/E ratio on the MSCI US from 20.2x to 20.9x. Our estimate of the equity risk premium over long-term Treasuries was virtually unchanged as the decline in rates offset the uptick in valuations.
- International developed stocks remain more reasonably valued; however, economic and earnings growth is likely to remain subdued.
- EM equity valuations appear relatively attractive, but they are exposed to an increase in trade tensions. A more dovish Fed, however, should ease financial conditions in EM economies.





Source: Bloomberg, Datastream, Mercer

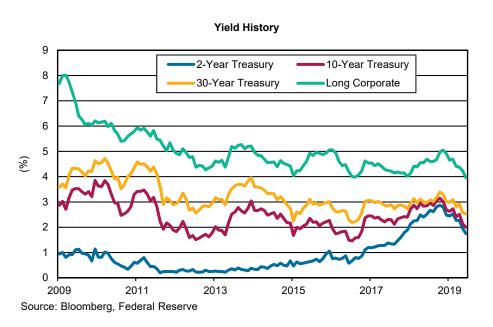


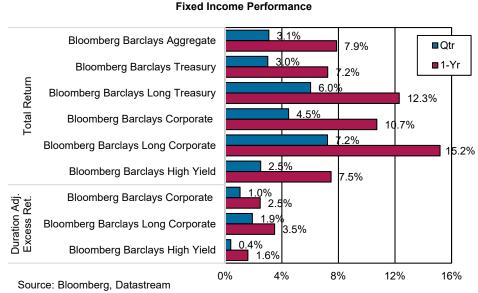


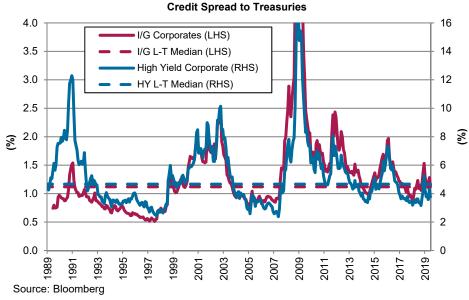
Interest Rates and Fixed Income

Another Strong Quarter for Fixed Income as Rates Fall and Spreads Narrow

- The Bloomberg Barclays Aggregate returned 3.1% in Q2. Interest rates declined as the Fed's guidance became more dovish, while credit spreads experienced a modest decline.
- Investment-grade corporate spreads narrowed by 5 bps during the quarter, to 115 bps, compared to a long-term median of 112 bps. Long corporate bonds returned 7.5% as the yield fell from 4.5% to 4.0%.
- High yield bonds gained 2.5% during the quarter as yields declined by 56 bps. Credit spreads narrowed by 14 bps for the quarter.





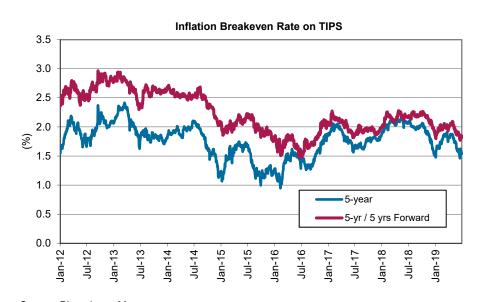




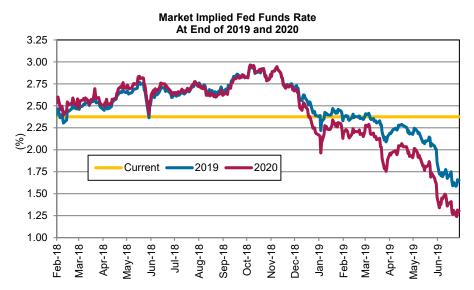
Monetary Policy

The Fed Signaled Rate Cuts

- The Fed has indicated that its next move will be to cut rates. It left rates unchanged in Q2, while its forward guidance became more dovish.
- The bond market suggests a rate cut is highly likely in July. It has priced a total of four rate cuts by the end of 2020.
- The front end of the yield curve remains inverted. This may not yet signal a recession given the expectation that the Fed will cut rates to lift inflation to target and as insurance against slowing growth.



Source: Bloomberg, Mercer



Source: Bloomberg

3

⊗̂ 2

Treasuries at 12/31/18

10

Treasuries at 06/30/19 TIPS at 06/30/19

15

20

25

Treasury Yield Curve

Source: Federal Reserve



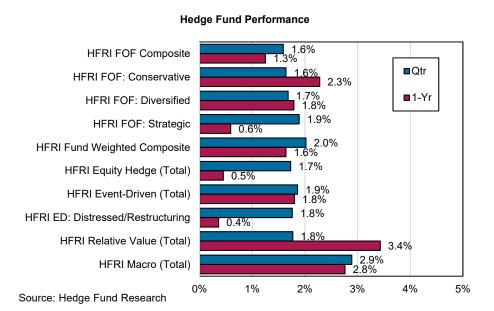


30

Alternative Investment Performance

Real Assets Lag the Broad Market; Private Equity Delivers a Nice Premium

- REITs lagged the broader market for the quarter, while public infrastructure outperformed. Over the past year, REITs performed in line with the broader market while infrastructure outperformed.
- Natural resource stocks declined 1.4% during the quarter, as oil and other commodities declined.
- Hedge funds were up 1.6% during the quarter, and returned 1.3% over the past 1-year.
- Global private equity outperformed global developed stocks by a wide margin over most trailing periods.



0.7% ■ Qtr FTSF FPRA/NARFIT United States 10.9% ■ 1-Yr 0.2% FTSE EPRA/NAREIT Developed 8.6% Bloomberg Commodity S&P GSCI Commodity -12.7% 4.3% FTSE Global Core Infrastructure 50/50 15.5% 0.1% Alerian Energy MLP S&P NA Natural Resources

-0.2 -0.15 -0.1 -0.05

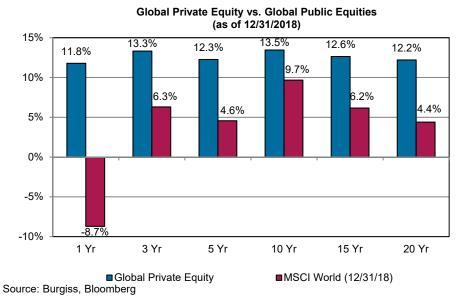
Source: Bloomberg, Datastream

0.05

0.1

0.15 0.2

Real Asset Performance





Capital Markets Review

Index Returns

As of June 30, 2019 (Percentage Return)

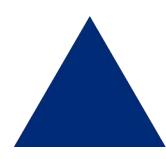
	Quarter	Year To Date	1 Year	2 Years	3 Years	5 Years	7 Years	10 Years
Domestic Equity Indices								
Dow Jones Wilshire 5000	4.0	18.7	9.1	11.8	14.0	10.3	13.8	14.6
S&P 500	4.3	18.5	10.4	12.4	14.2	10.7	14.0	14.7
Russell 1000 Index	4.2	18.8	10.0	12.3	14.1	10.5	14.0	14.8
Russell 1000 Growth Index	4.6	21.5	11.6	16.9	18.1	13.4	15.8	16.3
Russell 1000 Value Index	3.8	16.2	8.5	7.6	10.2	7.5	12.1	13.2
Russell Midcap Index	4.1	21.3	7.8	10.1	12.2	8.6	13.4	15.2
ussell Midcap Growth Index	5.4	26.1	13.9	16.2	16.5	11.1	14.8	16.0
ussell Midcap Value Index	3.2	18.0	3.7	5.6	8.9	6.7	12.3	14.6
tussell 2000 Index	2.1	17.0	-3.3	6.6	12.3	7.1	11.6	13.4
ussell 2000 Growth Index	2.7	20.4	-0.5	10.1	14.7	8.6	12.9	14.4
tussell 2000 Value Index	1.4	13.5	-6.2	3.0	9.8	5.4	10.3	12.4
nternational Equity Indices								
ISCI EAFE	3.7	14.0	1.1	3.9	9.1	2.2	7.3	6.9
SCI EAFE Growth Index	5.7	18.5	4.2	6.8	9.7	4.4	8.5	8.2
ISCI EAFE Value Index	1.5	9.6	-2.1	1.0	8.5	0.1	6.0	5.5
ISCI EAFE Small Cap	1.7	12.5	-6.3	2.6	9.1	4.4	9.9	9.7
ISCI AC World Index	3.6	16.2	5.7	8.2	11.6	6.2	9.9	10.1
ISCI AC World ex US	3.0	13.6	1.3	4.2	9.4	2.2	6.4	6.5
ISCI Emerging Markets Index	0.6	10.6	1.2	4.6	10.7	2.5	4.2	5.8
ixed Income Indices								
lmbg. Barc. U.S. Aggregate	3.1	6.1	7.9	3.7	2.3	2.9	2.6	3.9
lmbg. Barc. Intermed. U.S. Government/Credit	2.6	5.0	6.9	3.1	2.0	2.4	2.2	3.2
Elmbg. Barc. U.S. Long Government/Credit	6.6	13.5	13.8	6.3	3.8	5.7	4.8	7.6
lmbg. Barc. U.S. Corp: High Yield	2.5	9.9	7.5	5.0	7.5	4.7	6.4	9.2
CE BofAML 3 Month U.S. T-Bill	0.6	1.2	2.3	1.8	1.4	0.9	0.6	0.5
lmbg. Barc. U.S. TIPS	2.9	6.2	4.8	3.5	2.1	1.8	1.2	3.6
TSE Non-U.S. World Government Bond	3.9	5.5	4.5	3.9	0.8	0.2	0.5	1.9
PM EMBI Global Diversified (external currency)	4.1	11.3	12.4	5.2	5.5	5.3	5.6	7.8
PM GBI-EM Global Diversified (local currency)	5.6	8.7	9.0	3.2	4.2	-0.5	0.4	3.4
Real Asset Indices								
Bloomberg Commodity Index Total Return	-1.2	5.1	-6.8	0.0	-2.2	-9.1	-6.7	-3.7
Dow Jones Wilshire REIT	1.6	17.9	10.5	7.2	4.1	7.8	8.7	15.7

Returns for periods greater than one year are annualized.



Portfolio Review







El Camino Hospital Investment Committee Scorecard June 30, 2019

Key Performance Indicator	Status	El Camino	Benchmark	El Camino	Benchmark	El Camino	Benchmark	FY19 Year End Budget	Expectation Per Asset Allocation
Investment Performance		2Q	2019	Fiscal Ye	ar-to-date		ce Inception alized)		2019
Surplus cash balance*		\$1,028.7						\$892.9	
Surplus cash return		2.9%	2.8%	5.4%	5.7%	5.6%	5.5%	3.2%	5.6%
Cash balance plan balance (millions)		\$277.6						\$276.9	
Cash balance plan return		3.1%	3.0%	6.0%	5.9%	7.8%	7.0%	6.0%	6.0%
403(b) plan balance (millions)		\$514.1							
Risk vs. Return		3-y	ear				ce Inception alized)		2019
Surplus cash Sharpe ratio		1.06	1.04			1.02	1.01		0.34
Net of fee return		7.2%	6.8%			5.6%	5.5%		5.6%
Standard deviation		5.4%	5.2%			4.9%	4.8%		8.7%
Cash balance Sharpe ratio		1.09	1.03			1.12	1.06		0.32
Net of fee return		8.8%	7.8%			7.8%	7.0%		6.0%
Standard deviation		6.7%	6.2%			6.3%	6.0%		10.3%
Asset Allocation		2Q	2019						
Surplus cash absolute variances to target		7.1%	< 10%						
Cash balance absolute variances to target		6.9%	< 10%						
Manager Compliance		2Q	2019						
Surplus cash manager flags		17	< 24 Green < 30 Yellow						
Cash balance plan manager flags		23	< 27 Green < 34 Yellow		-			-	

^{*}Excludes debt reserve funds (~\$83 mm), District assets (~\$41 mm), and balance sheet cash not in investable portfolio (~\$128 mm). Includes Foundation (~\$31 mm) and Concern (~\$14 mm) assets. Budget adds back in current Foundation and Concern assets and backs out current debt reserve funds.



Total Surplus Cash Assets

As of June 30, 2019

	Allocation			Performance(%)							
	Market Value (\$)	%	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Period
Total Surplus Cash (1)	1,153,203,670	100.0	2.6	8.7	5.1	5.1	6.2	4.3	5.8	5.1	6y 8m
Total Surplus Cash ex District / Debt Reserves (1) Surplus Cash Total Benchmark	1,028,698,236	89.2	2.9 2.8	9.8 9.8	5.4 5.7	5.4 5.7	7.2 6.8	4.8 4.8	6.1 6.0	5.6 5.5	6y 8m
Total Surplus Cash ex District / CONCERN / Debt Reserves (1) Surplus Cash Total Benchmark	1,014,557,289	88.0	2.9 2.8	9.8 9.8	5.3 5.7	5.3 5.7	7.3 6.8	4.9 4.8	6.2 6.0	5.7 5.5	6y 8m
Total CONCERN CONCERN Total Benchmark	14,140,947	1.2	3.3 3.1	6.5 6.1	8.2 7.8	8.2 7.8	2.7 2.3	-	- -	3.4 3.1	3y 5m
Met West Total Return Bond Plan - CONCERN Blmbg. Barc. U.S. Aggregate	14,054,384	1.2	3.3 3.1	6.5 6.1	8.2 7.9	8.2 7.9	2.7 2.3	3.0 2.9	3.9	3.4 3.2	3y 5m
Cash Account - CONCERN 90 Day U.S. Treasury Bill	86,563	0.0	0.3 0.6	0.6 1.2	1.2 2.3	1.2 2.3	0.8 1.4	0.9	0.5	0.7 1.2	3y 5m
District - Barrow Hanley Blmbg. Barc. 1-3 Govt	41,215,694	3.6	1.3 1.5	2.4 2.5	3.6 4.0	3.6 4.0	1.2 1.3	1.1 1.2	1.3 1.2	1.0 1.1	6y 8m
Total Debt Reserves 90 Day U.S. Treasury Bill	83,289,740	7.2	0.6 0.6	1.3 1.2	2.4 2.3	2.4 2.3	1.6 1.4	0.9	0.5	1.2 1.0	4y 2m
Ponder Debt Reserves - 2015 90 Day U.S. Treasury Bill	8,539,639	0.7	0.6 0.6	1.2 1.2	2.2 2.3	2.2 2.3	1.5 1.4	0.9	0.5	1.2 1.0	4y 2m
Ponder Debt Reserves - 2017 90 Day U.S. Treasury Bill	74,750,002	6.5	0.6 0.6	1.3 1.2	2.4 2.3	2.4 2.3	- 1.4	0.9	0.5	1.8 1.7	2y 4m
Capitalized Interest 2017 90 Day U.S. Treasury Bill	99	0.0	-0.2 0.6	0.2 1.2	1.2 2.3	1.2 2.3	- 1.4	0.9	0.5	1.3 1.7	2y 4m

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. (1) Includes Foundation assets.

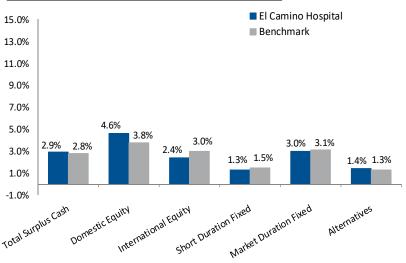


Surplus Cash Executive Summary

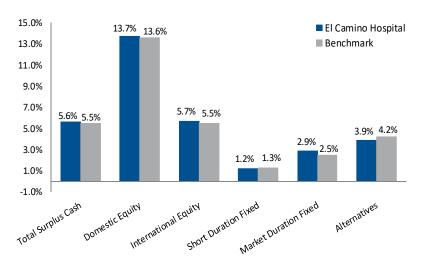
Dashboard

As of June 30, 2019

Performance: Most Recent Quarter



Performance: Since Inception¹



Asset Allocation

Manager	Total Assets (\$, mil.)	Percent of Total	Target Allocation	Variance to Target	Target Range	Within Policy Range
Domestic Equity	\$275.3	26.8%	25.0%	+ 1.8%	20-30%	Yes
International Equity	\$147.0	14.3%	15.0%	- 0.7%	10-20%	Yes
Short-Duration Fixed	\$107.1	10.4%	10.0%	+ 0.4%	8-12%	Yes
Market-Duration Fixed	\$322.7	31.4%	30.0%	+ 1.4%	25-35%	Yes
Alternatives	\$176.7	17.2%	20.0%	- 2.8%	17-23%	Yes
Total (X District)	\$1,028.7	100.0%				

Portfolio Updates

Manager News/Issues

- The Surplus Cash Portfolio returned +2.9% for the quarter, outperforming its benchmark by approximately 10 bps. Over the trailing one-year period, the Portfolio returned +5.4%, trailing the benchmark by 30 bps.
- Strong manager results within domestic equities was partially offset by unfavorable manager results within international equities as well as asset allocation positioning.
- The strongest performer on both an absolute and relative basis was small cap growth manager Conestoga (+9.4%), which outperformed its benchmark by 6.7%.
- Other notable relative outperformers included small cap value manager Wellington (+4.6%) and international equity manager BNY Mellon (+4.9%, formerly known as Walter Scott).

Second Quarter Funding News/Issues

- A \$10 million investment in the Palestra Capital Long/Short Equity Hedge Fund was made April 1, 2019.
- A \$10 million investment in the Man Alternative Risk Premia Fund was made June 10, 2019.
- Oaktree distributed \$0.6 million.
- Walton Street VII distributed \$1.7 million.
- Walton Street VIII called \$0.8 million in capital, which was partially offset by a distribution from the fund, amounting to a total capital call of \$0.1 million. Walton Street VIII made an additional distribution of \$0.2 million.
- AG Realty Value Fund X made its first capital call of \$1.5 million.

Reflects the date Pavilion's recommended portfolio was implemented (November 1, 2012).

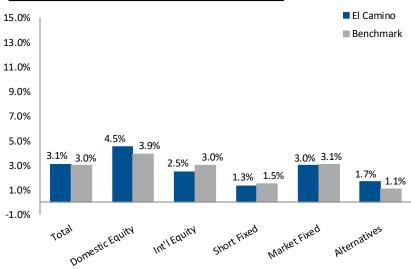


Cash Balance Plan Executive Summary

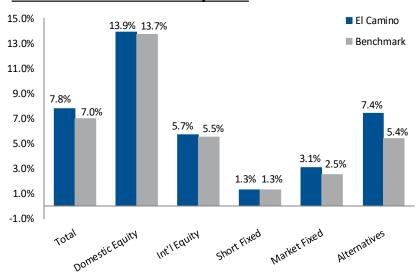
Dashboard

As of June 30, 2019

Performance: Most Recent Quarter



Performance: Since Inception¹



Asset Allocation

Manager	Total Assets (\$, mil.)	Percent of Total	Target Allocation	Variance to Target	Target Range	Within Policy Range
Domestic Equity	\$ 94.2	33.9%	32.0%	+ 1.9%	27-37%	Yes
International Equity	\$ 48.9	17.6%	18.0%	- 0.4%	15-21%	Yes
Short-Duration Fixed	\$ 9.8	3.5%	5.0%	- 1.5%	0-8%	Yes
Market-Duration Fixed	\$ 73.6	26.5%	25.0%	+ 1.5%	20-30%	Yes
Alternatives	\$ 51.1	18.4%	20.0%	- 1.6%	17-23%	Yes
Total	\$277.6	100.0%				

Portfolio Updates

Manager News/Issues

- The Cash Balance Plan returned +3.1% for the quarter, outperforming its benchmark by 10 bps. Over the trailing one-year period, the Plan returned +6.0%, outpacing its benchmark by approximately 10 bps.
- Relative outperformance during the second quarter was driven by manager results, particularly within the domestic equity and alternatives composites.
- The strongest performer on both an absolute and relative basis was small cap growth manager Conestoga (+9.4%), which outperformed its benchmark by 6.7%.
- Other notable relative outperformers included small cap value manager Wellington (+4.6%), international equity manager BNY Mellon (+4.9%, formerly known as Walter Scott), and equity-focused hedge fund of fund manager Pointer Offshore (+3.3%).

Second Quarter Funding News/Issues

- Oaktree Real Estate VI distributed \$0.4 million.
- Walton Street VII distributed \$1.0 million.
- Walton Street VIII called \$0.6 million in capital, which was partially offset by a distribution from the fund, amounting to a total capital call of \$0.1 million. Walton Street VIII made an additional distribution during the quarter of \$0.2 million.
- An employer contribution of \$3.2 million was made during April.

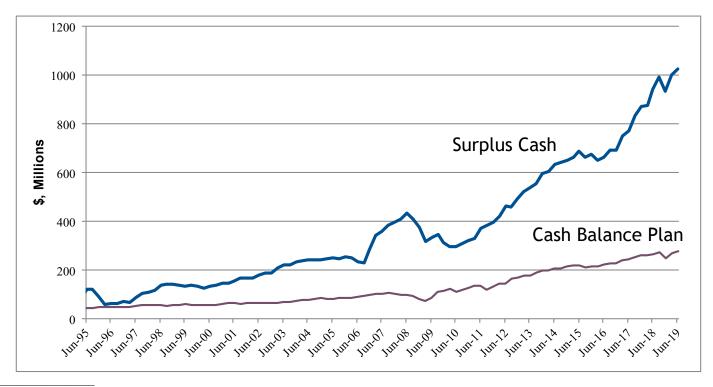
¹ Reflects the date Pavilion's recommended portfolio was implemented (November 1, 2012).



Calendar Year Market Value Reconciliation

As of June 30, 2019

			Surplus Cash				Cash	Balance Plan		
\$ in Millions	2015	2016	2017	2018	YTD 2019	2015	2016	2017	2018	YTD 2019
Beginning Market Value	\$651.6	\$677.5	\$694.7	\$872.3	\$935.0	\$213.7	\$216.8	\$228.1	\$259.3	\$250.1
Net Cash Flow	\$27.0	(\$17.5)	\$89.0	\$83.1	\$2.8	\$0.6	\$0.4	(\$0.8)	(\$3.9)	(\$0.4)
Income	\$12.6	\$12.4	\$14.2	\$18.1	\$9.5	\$3.3	\$3.4	\$3.6	\$4.1	\$2.6
Realized Gain/(Loss)	\$4.4	\$7.1	\$9.6	\$14.1	\$5.6	\$2.0	\$4.5	\$2.2	\$10.0	\$1.3
Unrealized Gain/(Loss)	(\$18.0)	\$15.1	\$64.8	(\$52.6)	\$75.9	(\$2.7)	\$3.0	\$26.2	(\$19.4)	\$24.0
Capital App/(Dep)	(\$1.0)	\$34.6	\$88.6	(\$20.4)	\$90.9	\$2.5	\$10.9	\$32.0	(\$5.3)	\$27.9
End of Period Market Value	\$677.5	\$694.7	\$872.3	\$935.0	\$1,028.7	\$216.8	\$228.1	\$259.3	\$250.1	\$277.6
Return Net of Fees	-0.2%	5.2%	11.8%	-2.6%	9.8%	1.1%	4.9%	14.5%	-2.8%	11.8%



¹ Beginning 8/1/2012, Surplus Cash market values represent the Surplus Cash portfolio excluding District assets, with \$13.9 million of District assets shown as a cash outflow in the third quarter of 2012.



Performance Summary

Compliance Checklist

As of June 30, 2019

			Short-Term			Longer-Term				
Fund Name	Qualitative Compliance	Performance Compliance	3 Year Return	3 Year Rank	3 Year Sharpe	5 Year Return	5 Year Rank	5 Year Sharpe		
Sands Large Cap Growth (Touchstone) - Both Plans	✓	V	V	V	×	×	×	×		
Barrow Hanley Large Cap Value - Surplus Cash	✓	✓	V	✓	✓	✓	✓	✓		
Barrow Hanley Large Cap Value - Pension	✓	✓	V	✓	✓	✓	✓	✓		
Wellington Small Cap Value - Surplus Cash	✓	✓	×	×	×	✓	✓	✓		
Wellington Small Cap Value - Pension	✓	✓	×	×	×	✓	V	✓		
Conestoga Small-Cap Fund I - Both Plans	✓	✓	V	✓	✓	✓	✓	✓		
BNY Mellon International Stock - Both Plans	✓	✓	✓	✓	✓	✓	✓	✓		
Causeway International Value - Both Plans	✓	✓	×	×	×	✓	×	✓		
Harding Loevner Inst. Emerging Markets I - Both Plans	✓	✓	×	✓	×	✓	V	✓		
Barrow Hanley Short Fixed - Surplus Cash	✓	✓	V	×	V	✓	×	✓		
Barrow Hanley Short Fixed - Pension	✓	✓	×	×	×	×	×	×		
Dodge & Cox Fixed - Surplus Cash	✓	✓	✓	V	V	V	V	V		
Dodge & Cox Fixed - Pension	✓	✓	V	✓	V	✓	V	✓		
MetWest Fixed - Surplus Cash	✓	✓	V	×	V	✓	×	✓		
Met West Fixed - Pension	✓	✓	✓	×	V	×	×	V		
Lighthouse Diversified - Pension	✓	✓	×		V	V		V		
Pointer Offshore LTD - Pension	✓	✓	V		V	✓		✓		

Legend		
	,	Goals met or no material change
۱ ،	¢	Goals not met or material changes

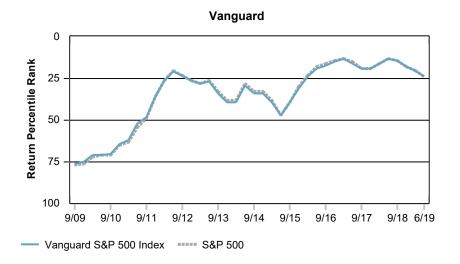
Portfolio	Score Factor	Comments
Sands Large Cap Growth (Touchstone) - Both Plans	Performance Compliance	Strong outperformance since 2016 is starting to offset the effect of strong style headwinds that Sands faced in 2016. This is the type of rebound we would expect from Sands; it is a high tracking error strategy that will have periods of sharp underperformance at times, but over the long-term we expect Sands to outperform.
Causeway International Value - Both Plans	Qualitative Compliance	Portfolio Manager Foster Corwith resigned from the firm in June. Causeway's other eight fundamental portfolio managers remain in place. This news does not impact our existing ratings for Causeway's fundamental strategies, as we continue to view Sarah Ketterer and Harry Hartford as the key drivers of the philosophy, process and portfolios.

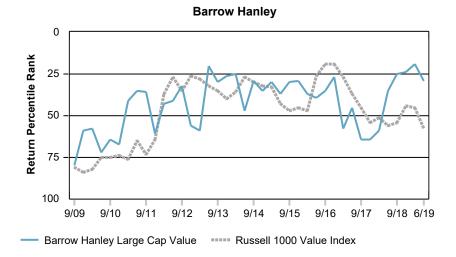


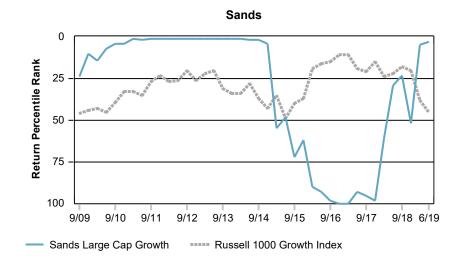
Manager Performance Evaluation

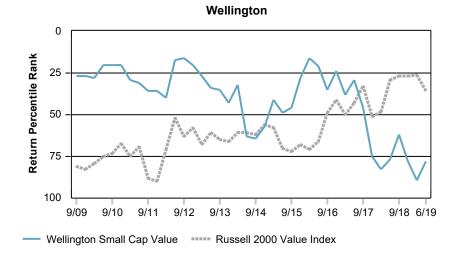
Rolling 3 Year Rankings vs. Peers

As of June 30, 2019





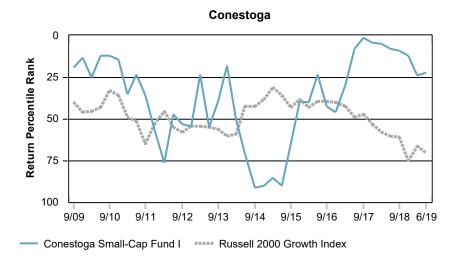


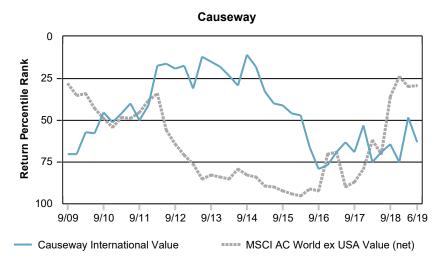


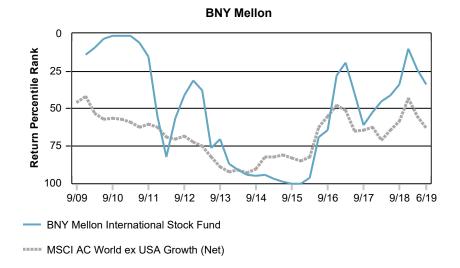


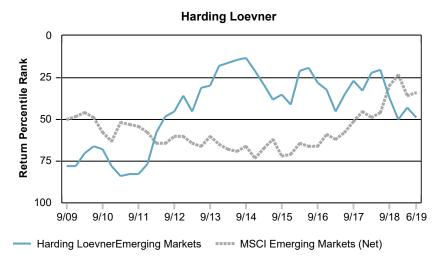
Manager Performance Evaluation

Rolling 3 Year Rankings vs. Peers





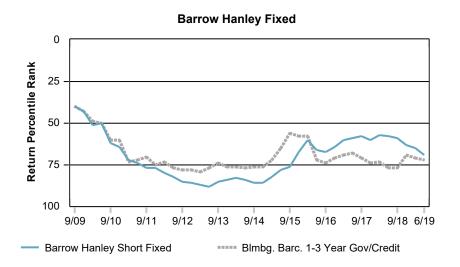


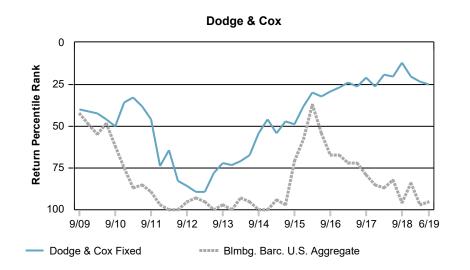


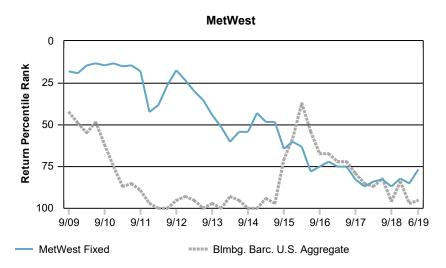


Manager Performance Evaluation

Rolling 3 Year Rankings vs. Peers



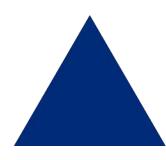






Performance Summary

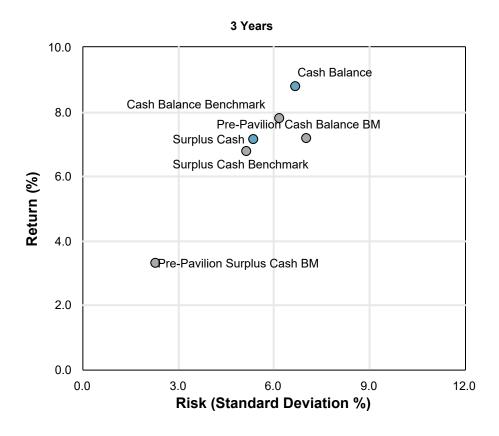


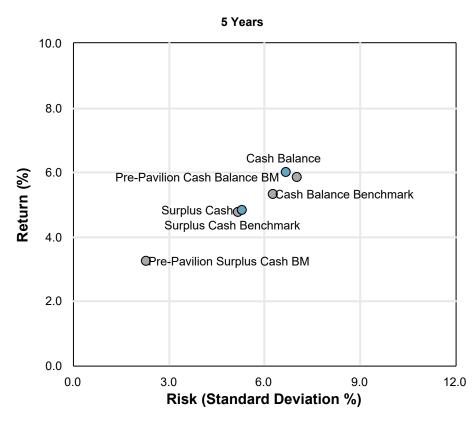




Surplus Cash and Cash Balance Plan

Risk and Return Summary (Net of Fees)







Composite Asset Allocation & Performance

	Allocatio	n					Performan	ce(%)			
	Market Value (\$)	%	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Period
Total Surplus Cash X District	1,028,698,236	100.0	2.9	9.8	5.4	5.4	7.2	4.8	6.1	5.6	6y 8m
Surplus Cash Total Benchmark			2.8	9.8	5.7	5.7	6.8	4.8	6.0	5.5	
Pre-Pavilion Surplus Cash Total Benchmark			2.8	6.6	7.1	7.1	3.3	3.3	4.7	3.6	
Total Surplus Cash X District X Privates	1,008,860,643	98.1	2.9	10.0	5.4	5.4	7.2	4.7	6.1	5.5	6y 8m
Surplus Cash Total Benchmark x Privates			2.9	10.1	5.8	5.8	6.9	4.8	6.0	5.5	
Total Equity Composite	422,223,497	41.0	3.8	17.7	6.1	6.1	12.7	7.7	12.4	11.0	6y 8m
Total Equity Benchmark - Surplus			3.5	16.6	5.2	5.2	12.2	7.1	12.5	10.7	
Domestic Equity Composite	275,254,882	26.8	4.6	19.3	8.8	8.8	15.1	10.1	14.2	13.7	6y 8m
Domestic Equity Benchmark - Surplus			3.8	18.4	7.4	7.4	13.8	9.9	14.4	13.6	
Large Cap Equity Composite	225,611,684	21.9	4.1	19.2	9.9	9.9	15.3	10.5	14.5	14.2	6y 8m
Large Cap Equity Benchmark			4.3	18.7	10.2	10.2	14.2	10.6	14.7	14.0	
Small Cap Equity Composite	49,643,198	4.8	7.1	19.4	4.0	4.0	14.1	8.9	-	12.2	6y 8m
Small Cap Equity Benchmark			2.1	16.9	-3.4	-3.4	12.3	7.0	13.4	11.8	-
International Equity Composite	146,968,615	14.3	2.4	14.8	1.4	1.4	8.5	3.1	-	5.7	6y 8m
MSCI AC World ex USA (Net)			3.0	13.6	1.3	1.3	9.4	2.2	6.5	5.5	-

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Composite Asset Allocation & Performance

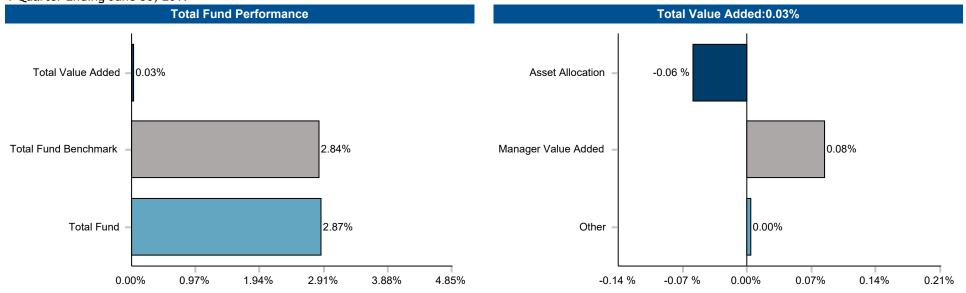
	Allocatio	n					Performan	ce(%)			
	Market Value (\$)	<u></u> %	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Period
Total Fixed Income Composite	429,741,408	41.8	2.5	5.4	6.8	6.8	2.7	2.7	3.7	2.5	6y 8m
Total Fixed Income Benchmark - Surplus			2.7	5.3	7.0	7.0	2.1	2.6	3.3	2.2	
Short Duration Fixed Income Composite	107,069,923	10.4	1.3	2.6	3.9	3.9	1.5	1.4	2.5	1.2	6y 8m
Short Duration Fixed Income Benchmark - Surplus			1.5	2.7	4.3	4.3	1.6	1.5	2.3	1.3	
Market Duration Fixed Income Composite	322,671,484	31.4	3.0	6.5	7.8	7.8	3.2	3.2	4.9	2.9	6y 8m
Blmbg. Barc. U.S. Aggregate			3.1	6.1	7.9	7.9	2.3	2.9	3.9	2.5	
Total Alternatives Composite	176,733,331	17.2	1.4	3.6	0.5	0.5	4.7	3.0	-	3.9	6y 2m
Total Alternatives Benchmark - Surplus			1.3	5.2	2.3	2.3	4.8	3.8	-	4.2	
Real Estate Composite	21,337,593	2.1	-0.2	0.7	2.5	2.5	4.8	8.8	_	9.0	5y 10m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	8.9	
Hedge Fund Composite	155,395,738	15.1	1.6	4.1	0.2	0.2	4.7	1.7	_	2.8	6y 2m
HFRI Fund of Funds Composite Index			1.7	6.4	1.4	1.4	4.3	2.2	3.2	2.9	-

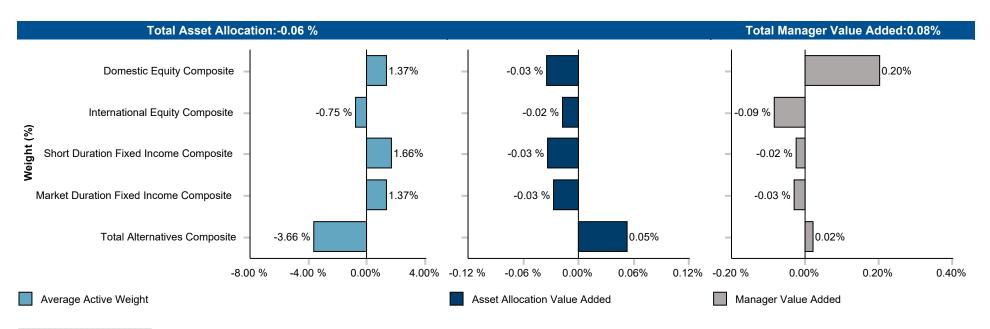
Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Attribution Analysis

1 Quarter Ending June 30, 2019





[&]quot;Other" includes the effects of all other factors on the Fund's relative return, including rebalancing and other trading activity.



Manager Asset Allocation & Performance

As of June 30, 2019

	Allocatio	n					Performan	ce(%)			
	Market			Year							
	Value			То	Fiscal	1	3	5	10	Since	Inception
	(\$)	%	Quarter	Date	YTD	Year	Years	Years	Years	Inception	Period
Large-Cap Equity											
Vanguard S&P 500 Index	134,597,904	13.1	4.3 (42)	18.5 (34)	10.4 (32)	10.4 (32)	14.2 (25)	10.7 (20)	14.7 (17)	14.0 (-)	6y 8m
S&P 500			4.3 (42)	18.5 (34)	10.4 (32)	10.4 (32)	14.2 (25)	10.7 (20)	14.7 (16)	14.0 (-)	
eV Large Cap Core Median			4.0	17.2	8.1	8.1	12.9	9.3	13.9	-	
Sands Large Cap Growth (Touchstone)	47,727,957	4.6	4.2 (66)	26.9 (7)	11.3 (46)	11.3 (46)	22.9 (4)	12.2 (53)	18.5 (3)	16.0 (-)	6y 8m
Russell 1000 Growth Index			4.6 (56)	21.5 (52)	11.6 (44)	11.6 (44)	18.1 (46)	13.4 (28)	16.3 (24)	16.1 (-)	
eV Large Cap Growth Median			4.9	21.7	10.8	10.8	17.7	12.4	15.3	-	
Barrow Hanley Large Cap Value	43,285,824	4.2	3.2 (59)	13.7 (75)	6.7 (39)	6.7 (39)	11.7 (30)	8.0 (32)	13.2 (31)	9.1 (-)	18y 11m
Russell 1000 Value Index			3.8 (41)	16.2 (35)	8.5 (29)	8.5 (29)	10.2 (59)	7.5 (41)	13.2 (32)	7.1 (-)	
eV Large Cap Value Median			3.5	15.2	5.8	5.8	10.5	7.1	12.7	-	
Small-Cap Equity											
Wellington Small Cap Value	23,459,773	2.3	4.6 (13)	15.2 (46)	-2.9 (31)	-2.9 (31)	7.2 (79)	6.0 (31)	13.2 (39)	10.2 (-)	6y 8m
Russell 2000 Value Index			1.4 (67)	13.5 (68)	-6.2 (60)	-6.2 (60)	9.8 (37)	5.4 (45)	12.4 (62)	10.1 (-)	
eV Small Cap Value Median			2.0	14.9	-5.2	-5.2	8.8	5.2	12.9	-	
Conestoga Small Cap Growth	26,183,425	2.5	9.4 (7)	23.5 (51)	10.7 (23)	10.7 (23)	21.5 (23)	14.5 (10)	16.5 (31)	21.5 (-)	3у
Russell 2000 Growth Index			2.7 (78)	20.4 (66)	-0.5 (76)	-0.5 (76)	14.7 (71)	8.6 (75)	14.4 (78)	14.7 (-)	
eV Small Cap Growth Median			5.2	23.5	5.3	5.3	17.4	10.5	15.6	-	
International Equity											
Causeway International Value	47,823,800	4.6	0.1 (88)	10.4 (59)	-4.7 (72)	-4.7 (72)	6.8 (64)	0.5 (69)	7.3 (38)	-7.5 (-)	1y 2m
MSCI AC World ex USA (Net)			3.0 (18)	13.6 (11)	1.3 (18)	1.3 (18)	9.4 (24)	2.2 (28)	6.5 (56)	-2.5 (-)	
MSCI AC World ex USA Value (net)			1.6 (54)	10.0 (63)	-0.1 (25)	-0.1 (25)	8.9 (30)	0.3 (73)	5.4 (83)	-5.4 (-)	
Custom Non US Diversified Value Median			1.7	11.1	-2.9	-2.9	7.7	1.1	6.7	-	
BNY Mellon International Stock Fund	61,984,071	6.0	4.9 (59)	17.6 (71)	8.3 (6)	8.3 (6)	11.6 (35)	6.0 (27)	8.1 (74)	7.1 (-)	6y 8m
MSCI AC World ex USA (Net)			3.0 (92)	13.6 (100)	1.3 (54)	1.3 (54)	9.4 (74)	2.2 (100)	6.5 (98)	5.5 (-)	
MSCI AC World ex USA Growth (Net)			4.4 (71)	17.2 (78)	2.6 (43)	2.6 (43)	9.8 (64)	4.0 (63)	7.6 (84)	6.8 (-)	
Custom Non US Diversified Growth Median			5.5	19.2	1.9	1.9	10.5	4.5	9.0	-	
Harding Loevner Emerging Markets	37,160,744	3.6	1.3 (49)	16.1 (13)	-1.3 (71)	-1.3 (71)	9.5 (50)	2.8 (43)	7.3 (30)	9.5 (-)	3y 10m
MSCI Emerging Markets (Net)			0.6 (70)	10.6 (64)	1.2 (50)	1.2 (50)	10.7 (35)	2.5 (50)	5.8 (68)	9.3 (-)	
eV International Emerging Equity Median			1.3	12.1	1.1	1.1	9.4	2.5	6.5	-	

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Manager Asset Allocation & Performance

As of June 30, 2019

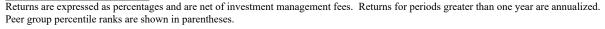
	Allocatio	n _					Performanc	e(%)			
	Market			Year							
	Value			То	Fiscal	1	3	5	10	Since	Inception
	(\$)	%	Quarter	Date	YTD	Year	Years	Years	Years	Inception	Period
Short Duration Fixed Income											
Barrow Hanley Short Fixed	105,378,955	10.2	1.4 (69)	2.8 (63)	4.1 (54)	4.1 (54)	1.6 (70)	1.5 (67)	1.5 (81)	4.6 (-)	28y 3m
Blmbg. Barc. 1-3 Year Gov/Credit			1.5 (51)	2.7 (70)	4.3 (49)	4.3 (49)	1.6 (73)	1.5 (72)	1.6 (78)	4.1 (-)	
eV US Short Fixed Income Median			1.5	2.9	4.2	4.2	1.9	1.7	2.2	-	
Cash Composite	1,690,968	0.2	-0.1	0.2	0.7	0.7	0.5	0.4	-	0.1	6y 8m
90 Day U.S. Treasury Bill			0.6	1.2	2.3	2.3	1.4	0.9	0.5	0.7	
Market Duration Fixed Income											
Dodge & Cox Fixed	159,308,848	15.5	2.8 (85)	6.6 (62)	7.6 (72)	7.6 (72)	3.7 (26)	3.5 (28)	5.0 (65)	3.4 (-)	6y 8m
Blmbg. Barc. U.S. Aggregate			3.1 (64)	6.1 (85)	7.9 (61)	7.9 (61)	2.3 (96)	2.9 (76)	3.9 (99)	2.5 (-)	
eV Core Plus Fixed Income Median			3.2	6.9	8.0	8.0	3.2	3.2	5.3	-	
MetWest Fixed	149,308,252	14.5	3.2 (51)	6.3 (80)	8.0 (44)	8.0 (44)	2.7 (78)	3.0 (74)	5.6 (34)	2.6 (-)	6y 8m
Blmbg. Barc. U.S. Aggregate			3.1 (64)	6.1 (85)	7.9 (61)	7.9 (61)	2.3 (96)	2.9 (76)	3.9 (99)	2.5 (-)	
eV Core Plus Fixed Income Median			3.2	6.9	8.0	8.0	3.2	3.2	5.3	-	
Met West Total Return Bond Plan - CONCERN	14,054,384	1.4	3.3 (30)	6.5 (64)	8.2 (34)	8.2 (34)	2.7 (78)	3.0 (71)	-	3.4 (-)	3y 5m
Blmbg. Barc. U.S. Aggregate			3.1 (64)	6.1 (85)	7.9 (61)	7.9 (61)	2.3 (96)	2.9 (76)	3.9 (99)	3.2 (-)	
eV Core Plus Fixed Income Median			3.2	6.9	8.0	8.0	3.2	3.2	5.3	-	
Real Estate											
AG Realty Value Fund X, LP	1,500,000	0.1	-	-	=	-	-	-	-	-	0y
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	-	
Oaktree Real Estate Opportunities Fund VI	5,717,628	0.6	-0.6	0.4	1.2	1.2	3.6	7.4	-	7.4	5y 10m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	8.9	
Walton Street Real Estate Fund VII, L.P.	5,523,489	0.5	0.0	0.0	-1.5	-1.5	5.2	9.8	-	12.3	5y 8m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	8.8	
Walton Street Real Estate Fund VIII, L.P.	8,596,476	0.8	0.0	1.6	6.9	6.9	-	-	-	12.6	2y 1m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	6.1	
Hedge Funds											
Hedge Fund Composite	155,395,738	15.1	1.6	4.1	0.2	0.2	4.7	1.7	-	2.8	6y 2m
HFRI Fund of Funds Composite Index			1.7	6.4	1.4	1.4	4.3	2.2	3.2	2.9	

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Manager Asset Allocation & Performance

	Allocatio	n					Performand	e(%)			
	Market Value (\$)	%	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Period
Total Plan											
Total Surplus Cash X District	1,028,698,236	100.0	2.9	9.8	5.4	5.4	7.2	4.8	6.1	5.6	6y 8m
Total Surplus Cash Benchmark			2.8	9.8	5.7	5.7	6.8	4.8	6.0	5.5	
Pre-Pavilion Total Surplus Cash Benchmark			2.8	6.6	7.1	7.1	3.3	3.3	4.7	3.6	





Composite Asset Allocation & Performance

As of June 30, 2019

	Allocation	on					Performan	ce(%)			
	Market Value (\$)	%	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Period
Total Cash Balance Plan	277,589,098	100.0	3.1	11.8	6.0	6.0	8.8	6.0	9.5	7.8	6y 8m
Total Cash Balance Plan Benchmark			3.0	11.0	5.9	5.9	7.8	5.3	8.9	7.0	
Pre-Pavilion Total Cash Balance Plan Benchmark			3.7	12.3	8.7	8.7	7.2	5.8	9.6	8.1	
Total Cash Balance Plan X Private Structures	264,275,975	95.2	3.3	12.5	6.2	6.2	9.1	5.8	9.4	7.6	6y 8m
Cash Balance Plan Total X Privates Benchmark			3.2	11.6	5.8	5.8	7.8	5.1	8.8	6.9	
Total Equity Composite	143,031,853	51.5	3.8	17.7	6.3	6.3	13.0	7.7	12.6	11.0	6y 8m
Total Equity Benchmark			3.6	16.7	5.6	5.6	12.3	7.2	12.5	10.7	
Domestic Equity Composite	94,151,083	33.9	4.5	19.4	8.8	8.8	15.5	10.3	14.6	13.9	6y 8m
Domestic Equity Benchmark			3.9	18.4	8.0	8.0	13.9	10.1	14.5	13.7	
Large Cap Equity Composite	79,322,556	28.6	4.0	19.4	9.7	9.7	15.8	10.6	14.8	14.2	6y 8m
Large Cap Equity Benchmark			4.3	18.7	10.2	10.2	14.2	10.6	14.7	14.0	
Small Cap Equity Composite	14,828,527	5.3	7.0	19.3	3.8	3.8	14.0	8.9	-	12.1	6y 8m
Small Cap Equity Benchmark	,,-		2.1	16.9	-3.4	-3.4	12.3	7.0	13.4	11.8	•
International Equity Composite	48,880,770	17.6	2.5	14.6	1.7	1.7	8.5	3.0	_	5.7	6y 8m
MSCI AC World ex USA (Net)			3.0	13.6	1.3	1.3	9.4	2.2	6.5	5.5	•

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Composite Asset Allocation & Performance

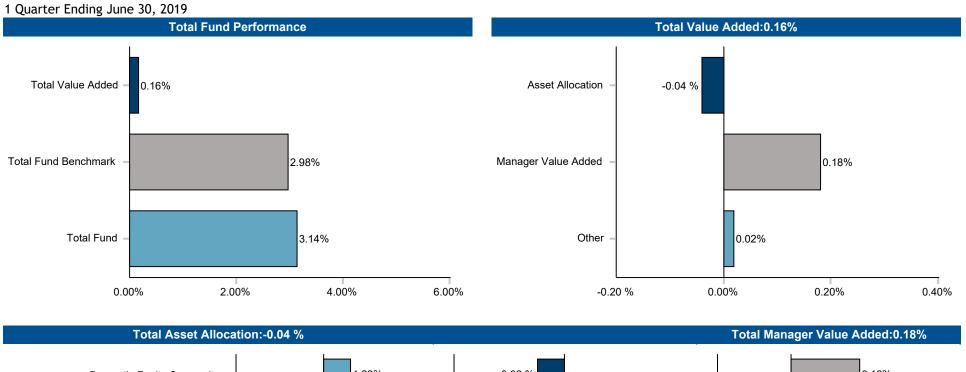
As of June 30, 2019

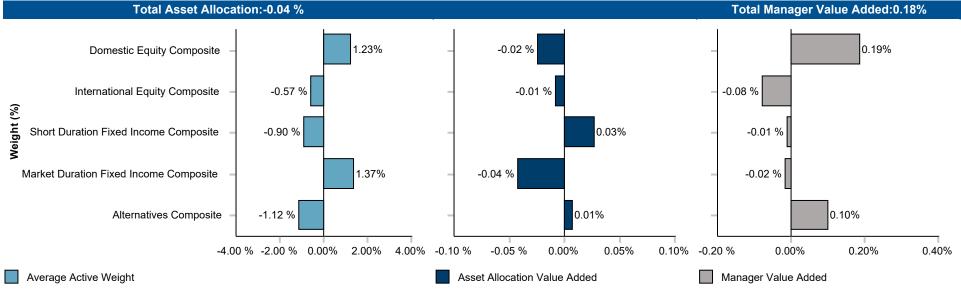
	Allocatio	on					Performan	ce(%)			
	Market Value (\$)	%	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Period
Total Fixed Income Composite	83,428,857	30.1	2.8	6.0	7.4	7.4	3.0	2.9	4.8	2.8	6y 8m
Total Fixed Income Benchmark			2.8	5.5	7.3	7.3	2.2	2.6	3.7	2.2	
Short Duration Fixed Income Composite	9,795,564	3.5	1.3	2.6	3.9	3.9	1.8	1.5	-	1.3	6y 8m
Short Duration Fixed Income Benchmark			1.5	2.7	4.3	4.3	1.6	1.5	0.9	1.3	
Market Duration Fixed Income Composite	73,633,292	26.5	3.0	6.6	7.9	7.9	3.2	3.1	5.0	3.1	6y 8m
Blmbg. Barc. U.S. Aggregate			3.1	6.1	7.9	7.9	2.3	2.9	3.9	2.5	
Total Alternatives Composite	51,128,388	18.4	1.7	6.6	2.3	2.3	5.8	5.8	-	7.4	6y 8m
Total Alternatives Benchmark			1.1	4.8	2.6	2.6	5.0	4.3	-	5.4	
Hedge Fund of Fund Composite	37,815,265	13.6	2.3	9.0	1.9	1.9	6.2	4.2	_	6.3	6y 8m
HFRI Fund of Funds Composite Index			1.7	6.4	1.4	1.4	4.3	2.2	3.2	3.6	
Real Estate Composite	13,313,123	4.8	0.0	1.0	3.1	3.1	5.0	8.9	_	9.1	6y 6m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	9.1	·

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Attribution Analysis





[&]quot;Other" includes the effects of all other factors on the Fund's relative return, including rebalancing and other trading activity.



Manager Asset Allocation & Performance

As of June 30, 2019

	Allocatio	on					Performan	ce(%)			
	Market			Year							
	Value			То	Fiscal	1	3	5	10	Since	Inception
	(\$)	%	Quarter	Date	YTD	Year	Years	Years	Years	Inception	Period
Large-Cap Equity											
Vanguard Institutional Index Fund	38,084,571	13.7	4.3 (42)	18.5 (34)	10.4 (32)	10.4 (32)	14.2 (25)	10.7 (20)	14.7 (17)	14.0 (-)	6y 8m
S&P 500			4.3 (42)	18.5 (34)	10.4 (32)	10.4 (32)	14.2 (25)	10.7 (20)	14.7 (16)	14.0 (-)	
eV Large Cap Core Median			4.0	17.2	8.1	8.1	12.9	9.3	13.9	-	
Sands Large Cap Growth (Touchstone)	20,954,919	7.5	4.2 (66)	26.9 (7)	11.3 (46)	11.3 (46)	22.9 (4)	12.2 (53)	18.5 (3)	16.0 (-)	6y 8m
Russell 1000 Growth Index			4.6 (56)	21.5 (52)	11.6 (44)	11.6 (44)	18.1 (46)	13.4 (28)	16.3 (24)	16.1 (-)	
eV Large Cap Growth Median			4.9	21.7	10.8	10.8	17.7	12.4	15.3	-	
Barrow Hanley Large Cap Value	20,283,066	7.3	3.3 (57)	13.9 (70)	7.0 (37)	7.0 (37)	12.0 (25)	8.3 (28)	13.4 (27)	12.5 (-)	6y 8m
Russell 1000 Value Index			3.8 (41)	16.2 (35)	8.5 (29)	8.5 (29)	10.2 (59)	7.5 (41)	13.2 (32)	11.8 (-)	
eV Large Cap Value Median			3.5	15.2	5.8	5.8	10.5	7.1	12.7	-	
Small-Cap Equity											
Wellington Small Cap Value	7,276,330	2.6	4.6 (13)	15.2 (46)	-3.0 (32)	-3.0 (32)	7.0 (81)	6.0 (32)	13.1 (40)	10.1 (-)	6y 8m
Russell 2000 Value Index			1.4 (67)	13.5 (68)	-6.2 (60)	-6.2 (60)	9.8 (37)	5.4 (45)	12.4 (62)	10.1 (-)	
eV Small Cap Value Median			2.0	14.9	-5.2	-5.2	8.8	5.2	12.9	-	
Conestoga Small Cap Growth	7,552,196	2.7	9.4 (7)	23.5 (51)	10.7 (23)	10.7 (23)	21.5 (23)	14.5 (10)	16.5 (31)	21.5 (-)	3y
Russell 2000 Growth Index			2.7 (78)	20.4 (66)	-0.5 (76)	-0.5 (76)	14.7 (71)	8.6 (75)	14.4 (78)	14.7 (-)	
eV Small Cap Growth Median			5.2	23.5	5.3	5.3	17.4	10.5	15.6	-	
International Equity											
Causeway International Value	18,418,137	6.6	0.1 (88)	10.4 (59)	-4.7 (72)	-4.7 (72)	6.8 (64)	0.5 (69)	7.3 (38)	-7.5 (-)	1y 2m
MSCI AC World ex USA (Net)			3.0 (18)	13.6 (11)	1.3 (18)	1.3 (18)	9.4 (24)	2.2 (28)	6.5 (56)	-2.5 (-)	
MSCI AC World ex USA Value (net)			1.6 (54)	10.0 (63)	-0.1 (25)	-0.1 (25)	8.9 (30)	0.3 (73)	5.4 (83)	-5.4 (-)	
Custom Non US Diversified Value Median			1.7	11.1	-2.9	-2.9	7.7	1.1	6.7	-	
BNY Mellon International Stock Fund	23,712,962	8.5	4.9 (59)	17.6 (71)	8.3 (6)	8.3 (6)	11.6 (35)	6.0 (27)	8.1 (74)	7.1 (-)	6y 8m
MSCI AC World ex USA (Net)			3.0 (92)	13.6 (100)	1.3 (54)	1.3 (54)	9.4 (74)	2.2 (100)	6.5 (98)	5.5 (-)	
MSCI AC World ex USA Growth (Net)			4.4 (71)	17.2 (78)	2.6 (43)	2.6 (43)	9.8 (64)	4.0 (63)	7.6 (84)	6.8 (-)	
Custom Non US Diversified Growth Median			5.5	19.2	1.9	1.9	10.5	4.5	9.0	-	
Harding Loevner Inst. Emerging Markets I	6,749,672	2.4	1.3 (49)	16.1 (13)	-1.3 (71)	-1.3 (71)	9.5 (50)	2.8 (43)	7.3 (30)	8.0 (-)	2y 8m
MSCI Emerging Markets (Net)			0.6 (70)	10.6 (64)	1.2 (50)	1.2 (50)	10.7 (35)	2.5 (50)	5.8 (68)	8.4 (-)	
eV International Emerging Equity Median			1.3	12.1	1.1	1.1	9.4	2.5	6.5	-	

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Manager Asset Allocation & Performance

As of June 30, 2019

	Allocati	on					Performano	e(%)			
	Market			Year							
	Value			То	Fiscal	1	3	5	10	Since	Inception
	(\$)	%	Quarter	Date	YTD	Year	Years	Years	Years	Inception	Period
Short Duration Fixed Income											
Barrow Hanley Short Fixed	6,423,704	2.3	1.5 (57)	2.9 (53)	4.2 (51)	4.2 (51)	1.6 (75)	1.4 (79)	1.5 (84)	1.2 (-)	6y 8m
Blmbg. Barc. 1-3 Year Gov/Credit			1.5 (51)	2.7 (70)	4.3 (49)	4.3 (49)	1.6 (73)	1.5 (72)	1.6 (78)	1.3 (-)	
eV US Short Fixed Income Median			1.5	2.9	4.2	4.2	1.9	1.7	2.2	-	
Cash Composite	3,371,861	1.2	0.6	1.2	2.1	2.1	2.5	2.6	-	2.0	6y 8m
90 Day U.S. Treasury Bill			0.6	1.2	2.3	2.3	1.4	0.9	0.5	0.7	
Market Duration Fixed Income											
Dodge & Cox Income Fund	36,625,022	13.2	2.8 (86)	6.6 (62)	7.6 (74)	7.6 (74)	3.7 (26)	3.3 (38)	4.9 (71)	6.7 (-)	30y 6m
Blmbg. Barc. U.S. Aggregate			3.1 (64)	6.1 (85)	7.9 (61)	7.9 (61)	2.3 (96)	2.9 (76)	3.9 (99)	6.2 (-)	
eV Core Plus Fixed Income Median			3.2	6.9	8.0	8.0	3.2	3.2	5.3	-	
Met West Total Return Fund Pl	37,008,271	13.3	3.3 (30)	6.5 (64)	8.3 (34)	8.3 (34)	2.7 (80)	2.9 (76)	5.9 (23)	3.0 (-)	6y 8m
Blmbg. Barc. U.S. Aggregate			3.1 (64)	6.1 (85)	7.9 (61)	7.9 (61)	2.3 (96)	2.9 (76)	3.9 (99)	2.5 (-)	
eV Core Plus Fixed Income Median			3.2	6.9	8.0	8.0	3.2	3.2	5.3	-	
Hedge Fund of Funds											
Lighthouse Diversified	18,797,237	6.8	1.3	4.7	1.2	1.2	3.5	3.0	5.1	4.8	6y 8m
HFRI Fund of Funds Composite Index			1.7	6.4	1.4	1.4	4.3	2.2	3.2	3.6	
Pointer Offshore LTD	19,018,028	6.9	3.3	13.7	2.6	2.6	9.4	5.6	8.3	7.9	6y 6m
HFRI Fund of Funds Composite Index			1.7	6.4	1.4	1.4	4.3	2.2	3.2	3.4	
Real Estate											
Oaktree RE Opportunities Fund VI	3,394,156	1.2	0.0	1.0	1.8	1.8	4.0	7.7	-	8.1	6y 5m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	9.1	
Walton Street Real Estate Fund VII, L.P.	3,306,292	1.2	0.0	0.0	-1.5	-1.5	5.3	9.8	-	11.7	6у
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	8.9	
Walton Street Real Estate Fund VIII, L.P.	6,612,674	2.4	0.0	1.6	6.9	6.9	-	-	-	12.6	2y 1m
NCREIF Property Index			0.0	1.8	4.9	4.9	6.4	8.5	9.1	6.1	
Total Plan											
Total Cash Balance Plan	277,589,098	100.0	3.1	11.8	6.0	6.0	8.8	6.0	9.5	7.8	6y 8m
Total Cash Balance Plan Benchmark			3.0	11.0	5.9	5.9	7.8	5.3	8.9	7.0	
Pre-Pavilion Total Cash Balance Plan Benchmark			3.7	12.3	8.7	8.7	7.2	5.8	9.6	8.1	

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized. Peer group percentile ranks are shown in parentheses.



Private Real Estate Summary

As of June 30, 2019 (\$ in Millions)

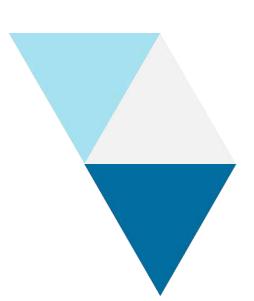
Partnership	Vintage Year	Committed Capital	Paid-in Capital	Unfunded Commitment	Market Value ¹	Distributions	Total Value	Net	TV / PI	D/PI
Surplus Cash										
Oaktree RE Opportunities VI	2012	\$14.0	\$14.0	\$0.0	\$5.7	\$14.1	\$19.8	9.8%	1.4	1.0
Walton Street RE Fund VII	2012	\$14.0	\$12.3	\$1.7	\$5.5	\$10.6	\$16.1	12.1%	1.3	0.9
Walton Street RE Fund VIII	2017	\$13.0	\$8.3	\$4.7	\$8.6	\$0.9	\$9.4	10.9%	1.1	0.1
Angelo Gordon Realty Value Fund X	2018	\$20.0	\$1.5	\$18.5	\$1.5	\$0.0	\$1.5	n/a	n/a	n/a
Total		\$61.0	\$36.1	\$24.9	\$21.3	\$25.5	\$45.4		1.3	0.7
Cash Balance										
Oaktree RE Opportunities VI	2012	\$8.4	\$8.4	\$0.0	\$3.4	\$8.8	\$12.2	9.5%	1.4	1.0
Walton Street RE Fund VII	2012	\$8.4	\$7.7	\$0.7	\$3.3	\$6.0	\$9.3	12.0%	1.2	0.8
Walton Street RE Fund VIII	2017	\$10.0	\$6.4	\$3.6	\$6.6	\$0.6	\$7.3	10.8%	1.1	0.1
Total		\$26.8	\$22.4	\$4.4	\$13.3	\$15.4	\$28.7		1.3	0.7



¹ If a market value has not yet been released for a particular fund, the previous quarter's value is adjusted according to subsequent contributions and distributions.

² Net IRR is through the previous quarter end.

Asset Class Diversification





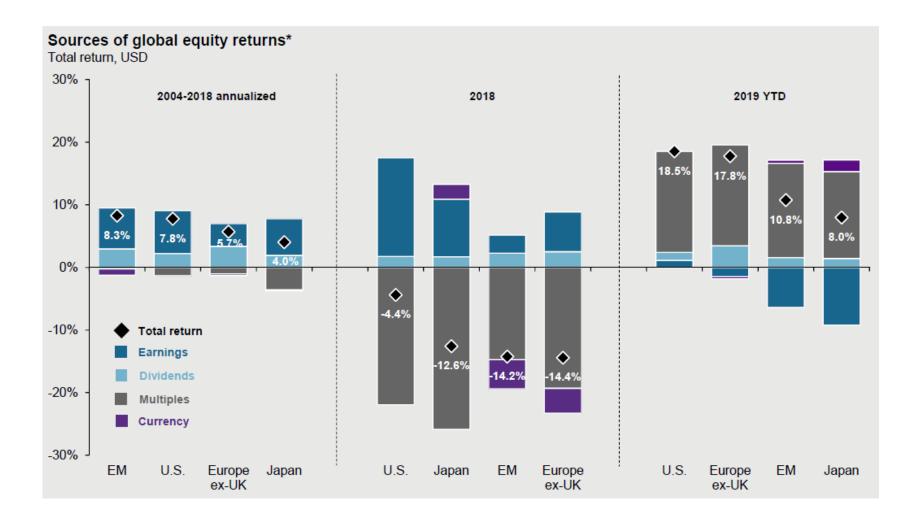


SUMMARY

- After first quarter's ascent, markets rose at a more subdued pace, as earnings expectations bottomed and the cost of capital declined.
 - Relative growth expectations continued to support US equities outperformance while political tensions and idiosyncratic risks held back international equity performance, particularly in emerging markets.
 - Declining interest rates across the yield curve, especially in the belly, buoyed fixed income.
 - While rising tensions in the middle east increased energy costs in June, declining industrial demand weighed on input costs.
- Elevated uncertainty has hindered business investment, and while the service sector has not been immune, the consumer continues to drive growth.
 - Manufacturing: Business investment in equipment and structures continues to weaken, as companies emphasize meeting consumer demand rather expanding in an uncertain business climate.
 - Monetary policy: Restrained inflation has allowed for central bankers to proceed with caution in 2019, and amend forward guidance toward easing as they evaluate the economic landscape.
 - Consumers: Household demand remains robust, benefitting from a healthy labor market, low inflation, and strong balance sheets.
- Late cycle dynamics will likely persist.
 - Economic fundamentals (Manufacturing & Services) are experiencing a tug-of-war, widening the path of future economic growth outcomes.
 - Diversified portfolios with proper liquidity should provide investors with an ability to exploit future dislocations while accruing incremental cash flow.



MARKETS HAVE REPRICED RISK



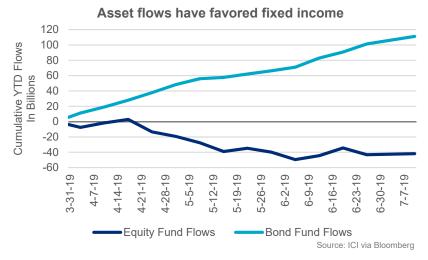
Source: FactSet, MSCI, Standard & Poor's, & JPMorgan Asset Management
All Returns are MSCI Gross Index (official) data, except the US, which is the S&P 500. *Multiple expansion is based on the forward P/E ratio and EPS growth outlook is based on NTMA earnings estimates. Data are as of June 30, 2019



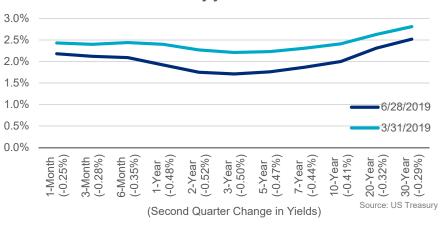
a Mercer Practice

QUARTER RECAP

- Markets continued to climb in the second quarter, as earnings weakness is expected to be transitory with limited impairment.
- Trade tensions once again sparked uncertainty, driving equities lower and spreads wider.
- Globally, cautious central bank guidance turned more dovish during the quarter, pushing rates down along the yield curve.
- While risk assets generated positive returns, flows and asset manager positioning imply a more defensive posture.











WHERE ARE WE IN THE CYCLE



Broad Indicators

- Global growth: Slowing, at or near trend
- Inflation risks: Muted
- Interest rates: Inverted belly, upward sloping beyond 5-yrs
- Volatility: Near normal

- Accommodation: positive
- Earnings: Short-term softening, bottoming in some markets
- Valuations: Near long-term levels



GLOBAL GROWTH IS NEAR TREND

	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
Global	53.6	53.5	53.9	53.8	53.9	54.0	54.3	54.6	54.8	53.3	53.8	54.0	54.2	53.7	53.4	52.8	53.0	53.1	52.7	52.1	52.6	52.7	52.2	51.2	51.2
Developed	54.5	54.4	54.6	54.6	55.0	54.8	54.8	54.9	55.4	53.6	54.4	54.8	55.0	54.2	54.0	53.3	53.6	53.3	52.7	52.3	52.9	52.7	52.0	51.1	51.3
Emerging	51.5	51.4	52.0	51.9	51.5	51.9	53.0	53.5	53.3	52.3	52.4	52.2	52.4	52.4	51.8	51.6	51.3	52.6	52.5	51.6	51.7	52.9	52.4	51.3	50.9
United States	53.9	54.6	55.3	54.8	55.2	54.5	54.1	53.8	55.8	54.2	54.9	56.6	56.2	55.7	54.7	53.9	54.9	54.7	54.4	54.4	55.5	54.6	53.0	50.9	51.5
Canada*	54.7	55.5	54.6	55.0	54.3	54.4	54.7	55.9	55.6	55.7	55.5	56.2	57.1	56.9	56.8	54.8	53.9	54.9	53.6	53.0	52.6	50.5	49.7	49.1	49.2
U.K	53.9	54.2	53.9	54.0	55.9	54.9	54.8	53.4	54.5	52.4	53.2	54.4	55.1	53.5	54.2	54.1	52.1	50.8	51.4	50.3	51.5	50.0	50.9	50.9	49.7
Euro Zone	56.3	55.7	55.7	56.7	56.0	57.5	58.1	58.8	57.1	55.2	55.1	54.1	54.9	54.3	54.5	54.1	53.1	52.7	51.1	51.0	51.9	51.6	51.5	51.8	52.2
Germany	56.4	54.7	55.8	57.7	56.6	57.3	58.9	59.0	57.6	55.1	54.6	53.4	54.8	55.0	55.6	55.0	53.4	52.3	51.6	52.1	52.8	51.4	52.2	52.6	52.6
France	56.6	55.6	55.2	57.1	57.4	60.3	59.6	59.6	57.3	56.3	56.9	54.2	55.0	54.4	54.9	54.0	54.1	54.2	48.7	48.2	50.4	48.9	50.1	51.2	52.7
Italy	54.5	56.2	55.8	54.3	53.9	56.0	56.5	59.0	56.0	53.5	52.9	52.9	53.9	53.0	51.7	52.4	49.3	49.3	50.0	48.8	49.6	51.5	49.5	49.9	50.1
Spain	57.7	56.7	55.3	56.4	55.1	55.2	55.4	56.7	57.1	55.8	55.4	55.9	54.8	52.7	53.0	52.5	53.7	53.9	53.4	54.5	53.5	55.4	52.9	52.1	52.1
Greece*	50.5	50.5	52.2	52.8	52.1	52.2	53.1	55.2	56.1	55.0	52.9	54.2	53.5	53.5	53.9	53.6	53.1	54.0	53.8	53.7	54.2	54.7	56.6	54.2	52.4
Ireland	58.0	57.0	58.2	57.6	56.0	57.7	60.2	59.0	56.8	53.7	57.6	57.7	58.1	56.8	58.4	58.4	56.1	56.6	55.5	53.3	55.4	54.1	53.4	54.1	54.4
Australia	53.8	57.2	57.5	54.4	51.2	57.0	57.0	58.2	56.4	62.5	58.6	56.8	55.6	52.5	55.9	57.1	54.7	50.8	50.0	52.5	54.0	51.0	54.8	52.7	49.4
Japan	52.9	51.8	51.9	51.7	53.4	52.2	52.2	52.8	52.2	51.3	53.1	51.7	52.1	51.8	52.0	50.7	52.5	52.4	52.0	50.9	50.7	50.4	50.8	50.7	50.8
China	51.1	51.9	52.4	51.4	51.0	51.6	53.0	53.7	53.3	51.8	52.3	52.3	53.0	52.3	52.0	52.1	50.5	51.9	52.2	50.9	50.7	52.9	52.7	51.5	50.6
Indonesia*	49.5	48.6	50.7	50.4	50.1	50.4	49.3	49.9	51.4	50.7	51.6	51.7	50.3	50.5	51.9	50.7	50.5	50.4	51.2	49.9	50.1	51.2	50.4	51.6	50.6
S. Korea*	50.1	49.1	49.9	50.6	50.2	51.2	49.9	50.7	50.3	49.1	48.4	48.9	49.8	48.3	49.9	51.3	51.0	48.6	49.8	48.3	47.2	48.8	50.2	48.4	47.5
Taiwan*	53.3	53.6	54.3	54.2	53.6	56.3	56.6	56.9	56.0	55.3	54.8	53.4	54.5	53.1	53.0	50.8	48.7	48.4	47.7	47.5	46.3	49.0	48.2	48.4	45.5
India	52.7	46.0	49.0	51.1	51.3	50.3	53.0	52.5	49.7	50.8	51.9	50.4	53.3	54.1	51.9	51.6	53.0	54.5	53.6	53.6	53.8	52.7	51.7	51.7	50.8
Brazil	48.5	49.4	49.6	51.1	49.5	48.9	48.8	50.7	53.1	51.5	50.6	49.7	47.0	50.4	47.8	47.3	50.5	51.6	52.4	52.3	52.6	53.1	50.6	48.4	49.0
Mexico*	52.3	51.2	52.2	52.8	49.2	52.4	51.7	52.6	51.6	52.4	51.6	51.0	52.1	52.1	50.7	51.7	50.7	49.7	49.7	50.9	52.6	49.8	50.1	50.0	49.2
Russia	54.8	53.4	54.2	54.8	53.2	56.3	56.0	54.8	55.2	53.2	54.9	53.4	52.0	51.7	52.1	53.5	55.8	55.0	53.9	53.6	54.1	54.6	53.0	51.5	49.2

Key

Source: Bloomberg, JP Morgan, composite indices illustrated except for *, which indicates manufacturing PMI data



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Expansion

Contraction

MANUFACTURING IS BROADLY CONTRACTING

Jun-17 Jul-17 Aug-17 Sep-17 Oct-17 Nov-17 Dec-17 Jan-18 Feb-18 Mar-18 Apr-18 May-18 Jun-18 Jul-18 Aug-18 Sep-18 Oct-18 Nov-18 Dec-18 Jan-19 Feb-19 Mar-19 Apr-19 May-19 Jun-19

Global	52.5	52.6	53.1	53.2	53.4	53.9	54.4	54.3	54.0	53.2	53.4	53.0	52.9	52.7	52.5	52.1	52.0	51.9	51.4	50.8	50.6	50.5	50.4	49.8	49.4
		53.9	54.2		55.2			56.3	55.7			54.7			53.8	53.6	53.2	52.8	52.3	51.8		49.9	50.2	49.2	48.9
Developed	53.8			54.6		55.8	56.2			54.8	55.1		54.4	54.0							50.4				
Emerging	50.8	50.9	51.7	51.4	51.2	51.5	52.1	51.8	51.9	51.3	51.3	51.1	51.2	51.0	50.8	50.3	50.5	50.7	50.2	49.5	50.6	51.0	50.5	50.4	49.9
United States	52.0	53.3	52.8	53.1	54.6	53.9	55.1	55.5	55.3	55.6	56.5	56.4	55.4	55.3	54.7	55.6	55.7	55.3	53.8	54.9	53.0	52.4	52.6	50.5	50.6
Canada	54.7	55.5	54.6	55.0	54.3	54.4	54.7	55.9	55.6	55.7	55.5	56.2	57.1	56.9	56.8	54.8	53.9	54.9	53.6	53.0	52.6	50.5	49.7	49.1	49.2
U.K	54.2	55.5	57.0	55.5	56.6	58.2	55.7	55.2	55.3	54.8	53.8	54.3	54.0	53.9	52.9	53.7	51.1	53.3	54.3	52.8	52.1	55.1	53.1	49.4	48.0
Euro Zone	57.4	56.6	57.4	58.1	58.5	60.1	60.6	59.6	58.6	56.6	56.2	55.5	54.9	55.1	54.6	53.2	52.0	51.8	51.4	50.5	49.3	47.5	47.9	47.7	47.6
Germany	59.6	58.1	59.3	60.6	60.6	62.5	63.3	61.1	60.6	58.2	58.1	56.9	55.9	56.9	55.9	53.7	52.2	51.8	51.5	49.7	47.6	44.1	44.4	44.3	45.0
France	54.8	54.9	55.8	56.1	56.1	57.7	58.8	58.4	55.9	53.7	53.8	54.4	52.5	53.3	53.5	52.5	51.2	50.8	49.7	51.2	51.5	49.7	50.0	50.6	51.9
Italy	55.2	55.1	56.3	56.3	57.8	58.3	57.4	59.0	56.8	55.1	53.5	52.7	53.3	51.5	50.1	50.0	49.2	48.6	49.2	47.8	47.7	47.4	49.1	49.7	48.4
Spain	54.7	54.0	52.4	54.3	55.8	56.1	55.8	55.2	56.0	54.8	54.4	53.4	53.4	52.9	53.0	51.4	51.8	52.6	51.1	52.4	49.9	50.9	51.8	50.1	47.9
Greece	50.5	50.5	52.2	52.8	52.1	52.2	53.1	55.2	56.1	55.0	52.9	54.2	53.5	53.5	53.9	53.6	53.1	54.0	53.8	53.7	54.2	54.7	56.6	54.2	52.4
Ireland	56.0	54.6	56.1	55.4	54.4	58.1	59.1	57.6	56.2	54.1	55.3	55.4	56.6	56.3	57.5	56.3	54.9	55.4	54.5	52.6	54.0	53.9	52.5	50.4	49.8
Australia	53.8	57.2	57.5	54.4	51.2	57.0	57.0	58.2	56.4	62.5	58.6	56.8	55.6	52.5	55.9	57.1	54.7	50.8	50.0	52.5	54.0	51.0	54.8	52.7	49.4
Japan	52.4	52.1	52.2	52.9	52.8	53.6	54.0	54.8	54.1	53.1	53.8	52.8	53.0	52.3	52.5	52.5	52.9	52.2	52.6	50.3	48.9	49.2	50.2	49.8	49.3
China	50.4	51.1	51.6	51.0	51.0	50.8	51.5	51.5	51.6	51.0	51.1	51.1	51.0	50.8	50.6	50.0	50.1	50.2	49.7	48.3	49.9	50.8	50.2	50.2	49.4
Indonesia	49.5	48.6	50.7	50.4	50.1	50.4	49.3	49.9	51.4	50.7	51.6	51.7	50.3	50.5	51.9	50.7	50.5	50.4	51.2	49.9	50.1	51.2	50.4	51.6	50.6
S. Korea	50.1	49.1	49.9	50.6	50.2	51.2	49.9	50.7	50.3	49.1	48.4	48.9	49.8	48.3	49.9	51.3	51.0	48.6	49.8	48.3	47.2	48.8	50.2	48.4	47.5
Taiwan	53.3	53.6	54.3	54.2	53.6	56.3	56.6	56.9	56.0	55.3	54.8	53.4	54.5	53.1	53.0	50.8	48.7	48.4	47.7	47.5	46.3	49.0	48.2	48.4	45.5
India	50.9	47.9	51.2	51.2	50.3	52.6	54.7	52.4	52.1	51.0	51.6	51.2	53.1	52.3	51.7	52.2	53.1	54.0	53.2	53.9	54.3	52.6	51.8	52.7	52.1
Brazil	50.5	50.0	50.9	50.9	51.2	53.5	52.4	51.2	53.2	53.4	52.3	50.7	49.8	50.5	51.1	50.9	51.1	52.7	52.6	52.7	53.4	52.8	51.5	50.2	51.0
Mexico	52.3	51.2	52.2	52.8	49.2	52.4	51.7	52.6	51.6	52.4	51.6	51.0	52.1	52.1	50.7	51.7	50.7	49.7	49.7	50.9	52.6	49.8	50.1	50.0	49.2
Russia	50.3	52.7	51.6	51.9	51.1	51.5	52.0	52.1	50.2	50.6	51.3	49.8	49.5	48.1	48.9	50.0	51.3	52.6	51.7	50.9	50.1	52.8	51.8	49.8	48.6

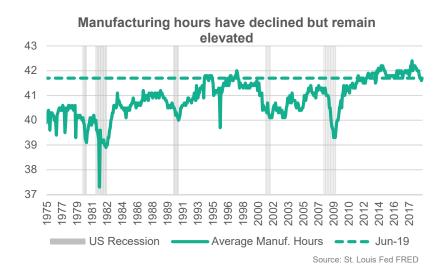
Source: Bloomberg & JP Morgan

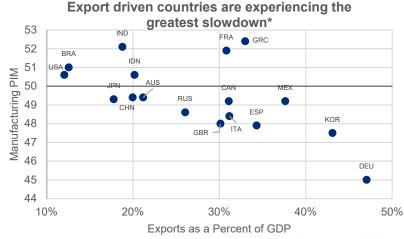
Key Contraction Expansion



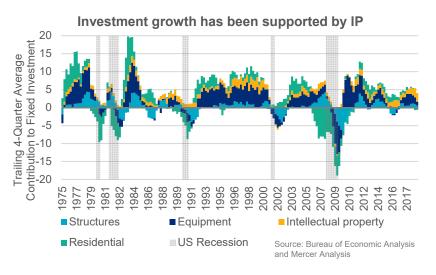
MANUFACTURING WOES CONTINUE

- Trade uncertainty between the US and China along with Brexit have hampered manufacturing globally and reduced trade.
- While investment has remained positive, companies have focused on intellectual property to help scale rather than overextending headcounts in a tightening labor market (fixed costs). Similarly, manufacturers have increased hours (variable costs) to meet demand.
- The changes in this dynamic may help manufacturing traverse the near-term slowdown.





Source: Bloomberg as of 6/30/2019



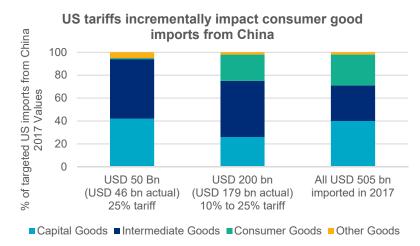
Includes the following countries: United States (USA), Canada (CAN), United Kingdom (GBR), Germany (DEU), France (FRA), Italy (ITA), Spain (ESP), Greece (GRC), Australia (AUS), Japan (JPN), China (CHN), Indonesia (IDN), India (IND), Brazil (BRA), Mexico (MEX), S. Korea (KOR), & Russia (RUS).





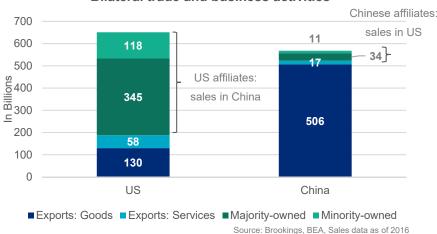
TRADE UNCERTAINTY AND NEW TARGETS

- Trade tensions have not only persisted, but the targets have grown and shifted over time.
- The initial rounds of US tariffs on Chinese goods targeted capital and intermediate goods with a limited impact on US consumers; however, further expansion could more directly affect these goods.
- In 2018, US agriculture suffered from direct attacks. More recently, Chinese leaders appear to have transitioned toward US companies generating revenue in China.
- Trade disputes stretch beyond the US and China, which further complicates the business environment.
 - A week long tension between the US and Mexico not only soured the recent USMCA,* but was used as a negotiating tactic on border security rather than trade.
 - A long-standing US/EU rivalry on aircraft subsidizes has drawn more products into the fray. Additionally, European autos remain a potential target in an already weakening and critical manufacturing sector.
 - Japan has placed restrictions on three chemical materials destined for South Korea that are crucial for manufacturing, stemming from a decades long feud.



Source: Scotiabank Economics, US ITC, International Trade Centre, USTR

Bilateral trade and business activities

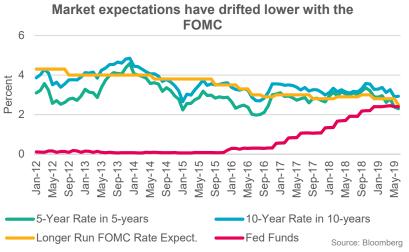


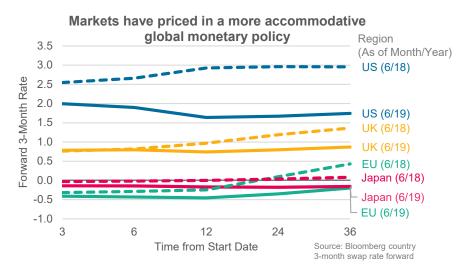
USMCA: United States, Mexico, Canada Agreement, NAFTA (North American Free Trade Agreement) replacement

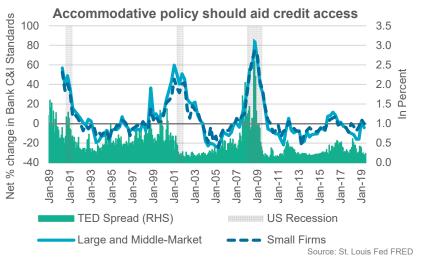


CENTRAL BANKERS AFFIRM SUPPORT

- As growth decelerated in 2018, global central bankers shifted from normalizing policy to assessing future accommodation. Markets have taken note and driven yields down globally.
- Accommodative policy may come in the form of rate cuts, credit programs (TLTRO III*), or open market operations (QE**). The facilitation of credit creation should limit tightening of financial conditions, which exacerbates downturns in economic growth.
- Over the past several years, markets and policymakers have reduced the expectations for long-term neutral interest rates with current rates near neutral expectations.









^{*}Targeted longer-term refinancing operations

^{**} Quantitative easing

SERVICES REMAIN IN EXPANSION

Jun-17 Jul-17 Aug-17 Sep-17 Oct-17 Nov-17 Dec-17 Jan-18 Feb-18 Mar-18 Apr-18 May-18 Jun-18 Jul-18 Aug-18 Sep-18 Oct-18 Nov-18 Dec-18 Jan-19 Feb-19 Mar-19 Apr-19 Jun-19

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Global	53.8	53.6	54.0	53.8	54.1	53.7	53.8	54.2	54.8	53.2	53.8	54.3	54.6	54.0	53.5	52.9	53.4	53.7	53.0	52.6	53.3	53.7	52.7	51.6	51.9
Developed	54.5	54.5	54.7	54.6	54.9	54.4	54.1	54.3	55.3	53.4	54.2	54.9	55.3	54.4	54.1	53.2	53.9	53.7	52.8	52.5	53.7	53.7	52.6	51.5	52.0
Emerging	51.6	51.0	51.7	51.4	51.6	51.5	52.8	53.8	53.5	52.5	52.6	52.5	52.6	52.8	51.7	52.1	51.9	53.8	53.6	52.9	52.1	53.7	53.2	51.7	51.5
United States	54.2	54.7	56.0	55.3	55.3	54.5	53.7	53.3	55.9	54.0	54.6	56.8	56.5	56.0	54.8	53.5	54.8	54.7	54.4	54.2	56.0	55.3	53.0	50.9	51.5
Canada																									
U.K	53.4	53.8	53.2	53.6	55.6	53.8	54.2	53.0	54.5	51.7	52.8	54.0	55.1	53.5	54.3	53.9	52.2	50.4	51.2	50.1	51.3	48.9	50.4	51.0	50.2
Euro Zone	55.4	55.4	54.7	55.8	55.0	56.2	56.6	58.0	56.2	54.9	54.7	53.8	55.2	54.2	54.4	54.7	53.7	53.4	51.2	51.2	52.8	53.3	52.8	52.9	53.6
Germany	54.0	53.1	53.5	55.6	54.7	54.3	55.8	57.3	55.3	53.9	53.0	52.1	54.5	54.1	55.0	55.9	54.7	53.3	51.8	53.0	55.3	55.4	55.7	55.4	55.8
France	56.9	56.0	54.9	57.0	57.3	60.4	59.1	59.2	57.4	56.9	57.4	54.3	55.9	54.9	55.4	54.8	55.3	55.1	49.0	47.8	50.2	49.1	50.5	51.5	52.9
Italy	53.6	56.3	55.1	53.2	52.1	54.7	55.4	57.7	55.0	52.6	52.6	53.1	54.3	54.0	52.6	53.3	49.2	50.3	50.5	49.7	50.4	53.1	50.4	50.0	50.5
Spain	58.3	57.6	56.0	56.7	54.6	54.4	54.6	56.9	57.3	56.2	55.6	56.4	55.4	52.6	52.7	52.5	54.0	54.0	54.0	54.7	54.5	56.8	53.1	52.8	53.6
Greece																									
Ireland	57.6	58.3	58.4	58.7	57.5	56.0	60.4	59.8	57.2	56.5	58.4	59.3	59.5	57.4	58.0	58.7	57.2	57.1	56.3	54.2	55.9	55.3	54.7	57.0	56.9
Australia																									
Japan	53.3	52.0	51.6	51.0	53.4	51.2	51.1	51.9	51.7	50.9	52.5	51.0	51.4	51.3	51.5	50.2	52.4	52.3	51.0	51.6	52.3	52.0	51.8	51.7	51.9
China	51.6	51.5	52.7	50.6	51.2	51.9	53.9	54.7	54.2	52.3	52.9	52.9	53.9	52.8	51.5	53.1	50.8	53.8	53.9	53.6	51.1	54.4	54.5	52.7	52.0
Indonesia																									
S. Korea																									
Taiwan																									
India	53.1	45.9	47.5	50.7	51.7	48.5	50.9	51.7	47.8	50.3	51.4	49.6	52.6	54.2	51.5	50.9	52.2	53.7	53.2	52.2	52.5	52.0	51.0	50.2	49.6
Brazil	47.4	48.8	49.0	50.7	48.8	46.9	47.4	50.0	52.7	50.4	50.0	49.5	47.0	50.4	46.8	46.4	50.5	51.3	51.9	52.0	52.2	52.7	49.9	47.8	48.2
Mexico																									
Russia	55.5	52.6	54.2	55.2	53.9	57.4	56.8	55.1	56.5	53.7	55.5	54.1	52.3	52.8	53.3	54.7	56.9	55.6	54.4	54.9	55.3	54.4	52.6	52.0	49.7
	55.5	52.6	54.2	55.2	53.9	57.4	56.8	55.1	56.5	53.7	55.5	54.1	52.3	52.8	53.3	54.7	56.9	55.6	54.4	54.9	55.3	54.4	52.6	52.0	49.7

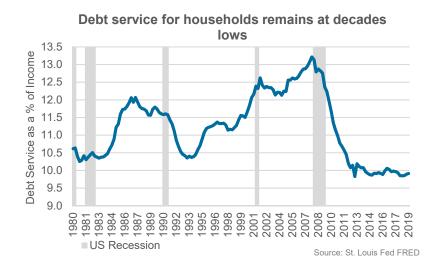
Source: Bloomberg & JP Morgan

Key Contraction Expansion



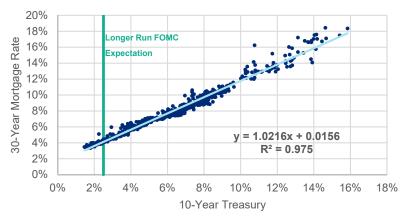
CONSUMER STRENGTH BUOYS GROWTH

- Consumer demand continues to be the powerhouse behind US economic growth, as labor and earnings continue to advance.
- After a clear softening in the fourth quarter, retail sales picked up in the first and second guarter of 2019, and while manufacturing is slowing, auto sales continue to hover near post crisis highs of 18 million annual units.*
- Lower rates, more moderate home price appreciation, and low debt service should help support demand for the critical housing sector.





Treasury yields versus mortgage rates



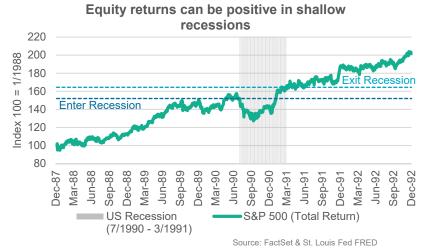
Source: St. Louis Fed FRED & Mercer Analysis

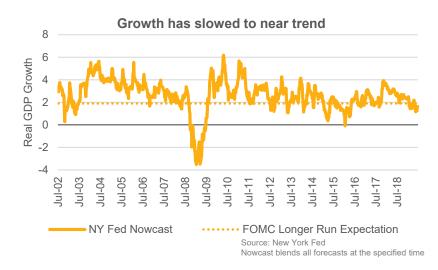
*Source: Bureau of Economic Analysis

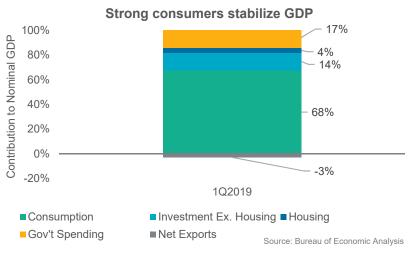


ASSESSING SLOWDOWNS

- Economic growth has slowed to near trend levels, but reduced business investment and a struggling manufacturing sector could challenge growth near-term.
- With financial conditions unlikely to be become excessively tight, limited economic excesses, and strong consumer balance sheets, deviations below trend are unlikely to spark a deep recession.
- Slowdowns can produce drawdowns that quickly reverse, absent a material impairment of fundamentals. The slowdown of 1991 provides an interesting case study, as the market sold-off -19% but still returned 8% through the recession.











POLITICAL RISKS

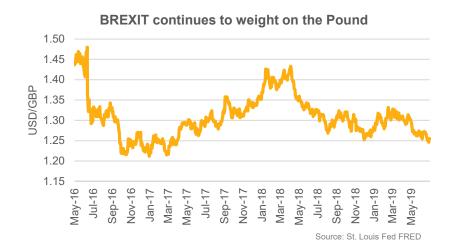
 Technology companies have repeatedly come under fire the past several years on issues ranging from data security to monopolistic power. While Europe has been more aggressive thus far, support in the US has increased which may challenge the sector's dominance.

• Europe:

- While the UK received an extension,* many hurdles remain. The most daunting is the Irish backstop which significantly impacted May's legislation and could result in a no-deal BREXIT.
- After avoiding sanctions** in 2018, Italy's deficit troubles once again are returning to the fore. Additionally, political turmoil is challenging the governing coalition, threatening snap elections.

Middle East:

- Turkey's political environment continues to generate headlines including: unauthorized gas drilling, central bank independence, and defense contracts, which has tightened financial conditions and held back growth.
- One year after the US exited the Iran deal, tensions in the region have increased and pushed up oil prices, but risks of excessive supply constraints are less likely with the US representing ~20% of world production.





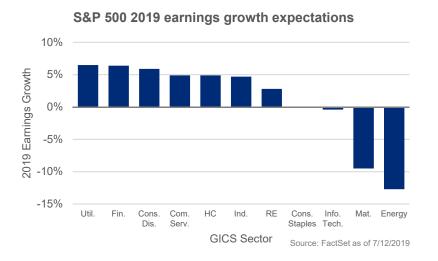


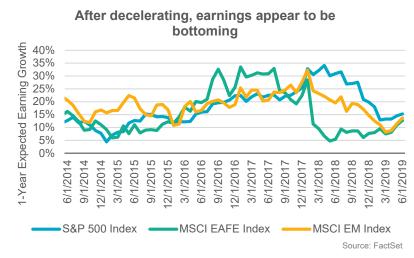
^{*}October 31, 2019

** Breaching deficit limits

GROWTH PROSPECTS

- The deceleration of earnings expectations since mid 2018 appears to have bottomed in the second quarter. In the US, earnings are expected to be marginally positive in 2019 with 8 of 11 sectors generating positive growth.
- With strong consumer demand, the consumer discretionary sector is expected to lead growth. Other secular trends such as an aging global demographic and intellectual property investment also likely will produce tailwinds for the tech and health care sectors.





Estimated Percent Contribution to Earnings Growth									
Sector (Growth*)	ACWI	S&P 500	EAFE	EM					
Cons. Dis. (16%)	16%	17%	9%	22%					
Info. Tech. (12%)	19%	23%	14%	2%					
Com. Serv. (12%)	9%	12%	1%	18%					
Ind. (11%)	11%	9%	20%	6%					
HC (10%)	11%	12%	13%	4%					
Energy (9%)	5%	5%	6%	2%					
Financials (9%)	14%	10%	15%	27%					
RE (9%)	3%	3%	2%	4%					
Mat. (8%)	4%	3%	5%	5%					
Cons. Staples (8%)	6%	4%	12%	7%					
Utilities (6%)	2%	2%	3%	3%					

Source: FactSet as of 6/28/2019

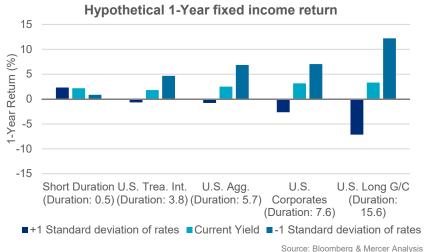
*Earnings growth is expectations for 3-5 years Contributions based on market capitalization

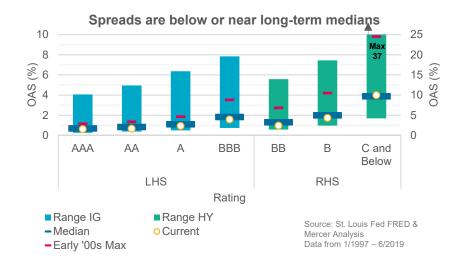


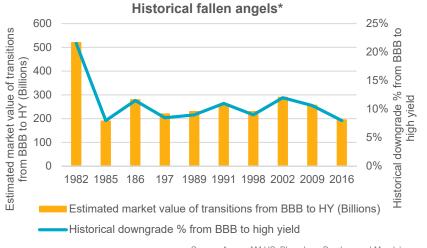


FIXED INCOME VALUATIONS

- Fixed income valuations are near long-term medians, limiting the upside to capturing spreads, and while spreads may widen, it is unlikely that they will achieve financial crisis levels.
- BBB's have grown from ~40% to ~50% of the investment grade market over the past ten years. While the overall risk of the universe has increased, a review of historical fallen angel transitions suggests that markets could weather the downgrades, absent a broader financial shock.
- The inversion of the yield curve has increased the attractiveness of short-duration bonds; however, the diversification benefits of duration should not be ignored.







Source: Aegon AM US, Bloomberg Barclays and Moody's

*Aegon AM US, Bloomberg Barclays and Moody's. Reflects top 10 largest ratings transition years from BBB to high yield ratings based on data from Moody's from 1970 2017. Applies historical downgrade percentages to BBB market size as of June 30, 2018.





CONCLUSIONS

- Financial markets have reflected compressing risk premiums, stabilizing growth expectations, and declining rate
 expectations in 2019. These factors have helped global equity markets produce double digit returns while safe haven
 assets have risen also.
- Three key considerations will be critical to the growth path going forward.
 - Manufacturing: Business investment in equipment and structures continues to weaken, as companies emphasize meeting consumer demand rather expanding in an uncertain business climate.
 - Monetary policy: Restrained inflation has allowed central bankers to proceed with caution in 2019, and amend forward guidance toward easing as they evaluate the economic landscape.
 - Consumers: Household demand remains robust, supported by a healthy employment market, low inflation, and strong balance sheets.
- Late cycle dynamics likely will persist.
 - Economic fundamentals (Manufacturing & Services) are experiencing a tug-of-war, widening the path of future economic growth outcomes.
 - Diversified portfolios with proper liquidity should provide investors with optionality to exploit future dislocations while accruing incremental cash flow.



ASSET CLASS OUTLOOKS

	L-T Return*	Qualitative Assessment						
U.S. Large Cap Equity	7.8%	Though slowing, global growth remains positive. Economic fundamentals (Manufacturing & Services) are						
U.S. Small Cap Equity	9.0%	experiencing a tug-of-war, widening the path of future economic growth outcomes. For this reason, global growth						
Developed Int'l Equity	8.2%	continues to be uneven, as prolonged trade uncertainty and Brexit weigh on export driven countries, especially in Europe.						
Emerging Markets	9.8%	 Current risks are unlikely to abate quickly, so exposure to consumer demand and secular themes (e.g., aging 						
Private Equity 11.1%		demographics, growing middle class in emerging economies, intellectual property investment) should help pro-						
Long/Short Equity	5.9%	for return opportunities and manage volatility over the intermediate-term.						
Bonds – Core (US)	3.3%	Looming uncertainty, weak investment, and slowing growth has encouraged central banks to amend forw						
Bonds - Core (Non-Dollar)	3.0%	guidance and assess increased accommodation. Similarly, the yield curve has inverted in the belly (1 to 7 year maturities), reflecting future decreases in short-term rates. With the inverted yield curve, short-term rates now						
Bonds – Spread Sectors	4.2%	match long-term Treasuries and have made money market and short-term funds a more attractive destination for						
Bonds – Emerging Markets	6.1%	liquidity needs.						
Long/Short Fixed Income 5.3%		 For long-term investors with an ability to sacrifice liquidity for yield pick-up, private credit provides an attractive opportunity. Select opportunities still exist for top quality managers possessing broad credit platforms that can 						
Distressed	8.5%	focus on off-market transactions.						
Diversified Hedge Funds	5.4/5.8%	Opportunities exist for nimble, specialized multi-strategy and diversifying strategies.						
Real Assets – Commodities	3.8%	Ongoing long-term secular trends continue to mute inflationary tail risks. As a result, investors are probably best						
Real Assets – Real Estate 6.1% Real Assets - TIPS 2.8%		served with equity positions providing near-term inflation protection.						
		Strategies with income streams and some sensitivity to inflation, such as real estate and listed infrastructure, may						
Real Assets – Infrastructure	6.9%	offer diversifying income opportunities, especially within private markets.						

^{*}Represents 2019 Pavilion Advisory Group Inc. Asset Allocation Assumptions published in January 2019





EQUITY OUTLOOK

Summary

Global growth has been slowing gradually for several quarters, led primarily by a deceleration in China and Europe. This gradual slowing so far represents a transition from above trend growth in 2017 to a pace of growth closer to the estimated long-term trend. Similarly, earnings growth expectations have coalesced around moderate growth levels after two quarters of strong downward revisions.

Themes & Implementation

Trend Growth	Evaluate overall equity portfolio beta, concentration, and up/down market capture to assure appropriate upside participation and volatility control.
Uneven Regional Risks	Developed international markets, in particular Europe, face challenges, as countries within the region continue to experience an uneven recovery.
Emerging Market Opportunities	Turmoil lingers in select emerging economies, but broadly these developing economies continue to benefit from positive secular trends, such as a growing middle class as well as markets that are growth oriented. An overweight to emerging markets can increase a portfolio's beta. Investors should monitor total portfolio sensitivities, and may want to consider strategically greater allocations to the U.S. or defensive managers.

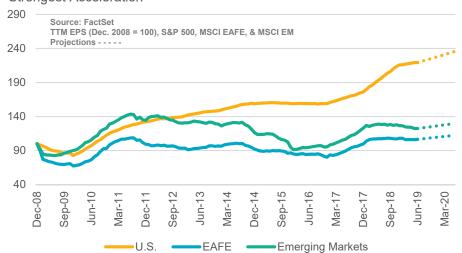
Key Risks

Investment

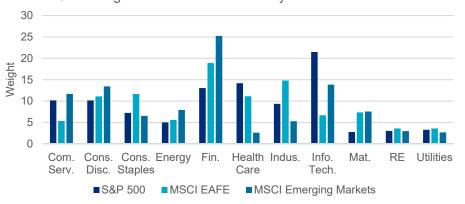
Future U.S. growth likely will be driven by corporate and residential investment and any weakness in these sectors would result in a downgrade to growth expectations. It is unclear whether new home construction will continue or stall, or whether trade uncertainty will delay or reduce planned business investment (manufacturing).

Earnings Growth Accelerating Globally

U.S. Demonstrating Steadiest Growth While Emerging Markets Demonstrating Strongest Acceleration



U.S. & Emerging Markets: Greater Concentration in Growth Sectors
About 30% of U.S. and EM Represented by IT and Communication Services;
EAFE is Underweight these Sectors and Heavy Financials and Industrials



Source: FactSet as of 6/30/2019



FIXED INCOME OUTLOOK

Summary

The yield curve partially inverted with global developed central banks evaluating increased accommodation. Investors should review their yield curve exposure. While longer duration positions can provide a ballast in flight-to-quality environments, shorter duration securitized or credit allocations represent competitive yields with muted risk in the event of interest rate increases.

Themes & Implementation

Selective Carry Positions	The securitized markets tied to U.S. housing and the consumer are providing managers with attractive value add opportunities and diversified income streams, while remaining somewhat insulated from global macro risks.						
Short Term Yield	Rising interest rates at the front-end of the curve have made money market and short-term funds a more attractive destination for liquidity needs. Short-term credit yields now match long-term Treasuries, providing portfolio ballast with low interest rate risk while investors wait for more attractive entry points.						
Emerging Markets	While spreads have compressed, nimble managers are still seeing opportunities, but allocation sizes should be considered carefully and in light of overall portfolio exposure to emerging markets. Downside volatility can be painful and the range of potential outcomes is quite wide.						
Key Risks							
Central Bank Policy	Economic conditions have motivated developed central bankers to pause monetary policy normalization and assess policy accommodation, with markets pricing						

several rate cuts in the US. Should policy miss

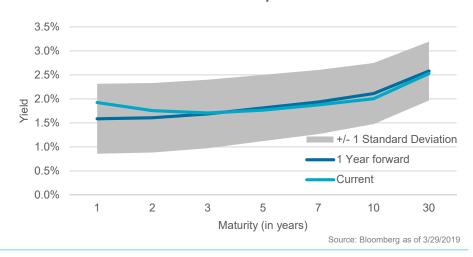
expectations, markets may exhibit spikes in correlations

between risk (equity) and defensive assets (fixed income).

Rising Short-Term Yields



U.S. Rates and Expectations

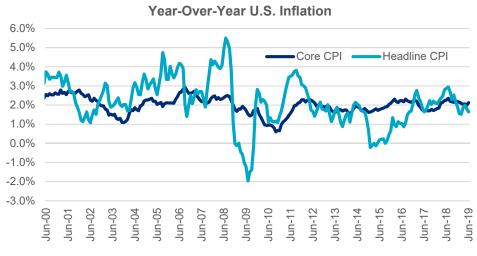




REAL ASSETS OUTLOOK

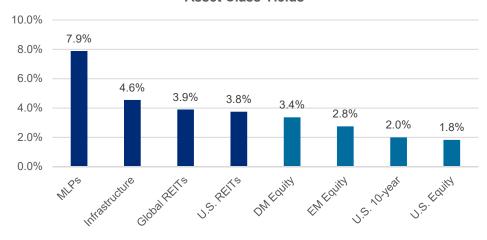
Summary Inflationary risks remain muted, as a multitude of factors weigh on overall price levels. As a result, risk assets, like equities, should defend portfolios from small increases in inflation. **Themes & Implementation** We expect continued positive economic growth. Real Economic assets are expected to have a modest tailwind from Growth earnings growth. Diversified Inflation-linked allocations with economic growth drivers represent a balance between return diversification and Earnings inflation protection. Stabilizing With inflation unlikely to produce abnormal risks, assets Inflation that provide protection against unexpected inflation, like commodities and natural resource equities, likely will be

constrained. **Key Risks** Geopolitical While the U.S. has increased oil production, tensions in Tensions the Middle East and OPEC decisions still significantly influence price moves. Trade Policy The introduction of tariffs has reignited trade war concerns. The full impact is not vet known. While discussions have resulted in updated trade agreements with South Korea, Mexico, and Canada, negotiations between the U.S. and China are ongoing. Additionally, recent communications between the U.S. and European Union have reignited historical frictions and further escalation could hurt an already slowing manufacturing sector. De-globalization could add to inflation, but is unlikely to cause large price spikes.



Source: St. Louis Federal Reserve FRED Database

Asset Class Yields



Source: Alerian, Elementum, FactSet, MSCI, Federal Reserve

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Asset Class Diversification

Surplus Cash Investment Program Structure As of June 30, 2019

Manager	Asset Class/Type	Total Assets (\$, mil.)	Percent of Total	Target Allocation	Weighting Relative to Target	Target Range
Large-Cap Domestic Equity		\$225.6	21.9%	20.0%	+ 1.9%	
Vanguard S&P 500 Index	Large-Cap Index	\$134.6	13.1%	10.0%	+ 3.1%	
Sands	Large-Cap Growth	\$ 47.7	4.6%	5.0%	- 0.4%	
Barrow Hanley	Large-Cap Value	\$ 43.3	4.2%	5.0%	- 0.8%	20-30%
Small-Cap Domestic Equity		\$ 49.6	4.8%	5.0%	- 0.2%	
Conestoga	Small-Cap Growth	\$ 26.2	2.5%	2.5%	+ 0.0%	
Wellington	Small-Cap Value	\$ 23.5	2.3%	2.5%	- 0.2%	
International Equity		\$147.0	14.3%	15.0%	- 0.7%	10-20%
Causeway	International Value	\$ 47.8	4.6%			
BNY Mellon	International Growth	\$ 62.0	6.0%			
Harding Loevner	Emerging	\$ 37.2	3.6%			
Short-Duration Fixed Income		\$107.1	10.4%	10.0%	+ 0.4%	8-12%
Barrow Hanley	Short Duration	\$105.4	10.2%			
Cash	Money Market	\$ 1.7	0.2%			
Market-Duration Fixed Income		\$322.7	31.4%	30.0%	+ 1.4%	25-35%
Dodge & Cox	Market Duration	\$159.3	15.5%	15.0%	+ 0.5%	
MetWest	Market Duration	\$163.4	15.9%	15.0%	+ 0.9%	
Alternatives		\$176.7	17.2%	20.0%	- 2.8%	17-23%
Angelo Gordon Realty Value X	Real Estate	\$ 1.5	0.1%			
Oaktree RE Opps VI	Real Estate	\$ 5.7	0.6%			
Walton Street RE VII	Real Estate	\$ 5.5	0.5%			
Walton Street RE VIII	Real Estate	\$ 8.6	0.8%			
Direct Hedge Fund Composite	Hedge Fund	\$155.4	15.1%			
Total (X District)		\$1,028.7	100.0%			
District Assets - Barrow Hanley	Short Duration	\$ 41.2				
Debt Reserves - Ponder	Short Duration	\$ 83.3				
Total Surplus Cash		\$1,153.2				



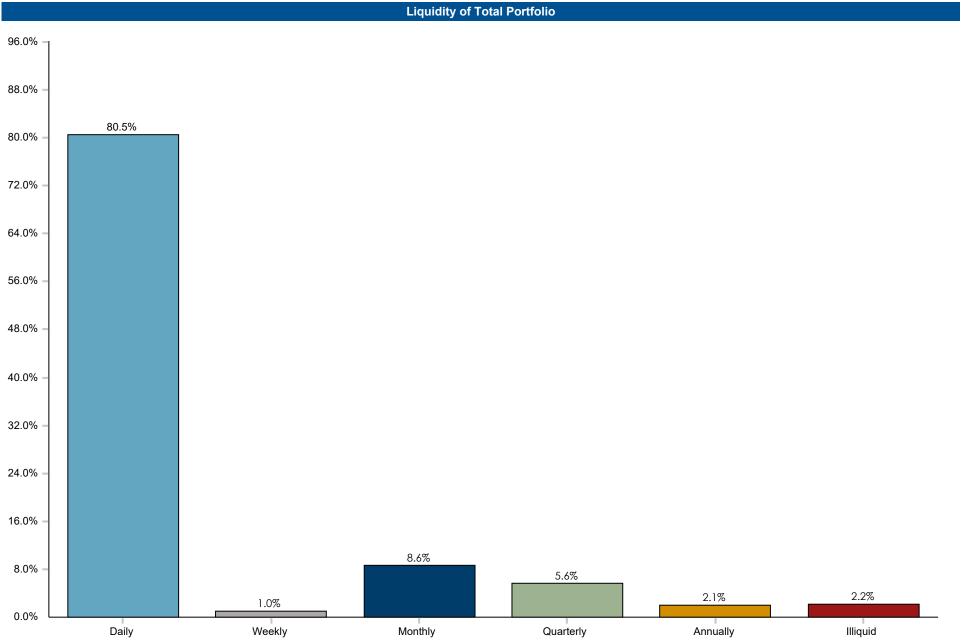
*Totals may not add due to rounding.

Liquidity Schedule

	Market Value	Daily			Quarterly				
Investments	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	Withdrawals	
Vanguard S&P 500 Index	134,597,904	134,597,904						,	Daily, No Lock-Up
Sands Large Cap Growth (Touchstone)	47,727,957	47,727,957						,	Daily, No Lock-Up
Barrow Hanley Large Cap Value	43,285,824	43,285,824						- Daily	Daily, No Lock-Up
Wellington Small Cap Value	23,459,773			23,459,773				1.10111111	10 Day Notice, No Lock-Up
Conestoga Small-Cap Fund I	26,183,425	26,183,425						2411)	Daily, No Lock-Up
BNY Mellon International Stock Fund	61,984,071	61,984,071						2411)	Daily, No Lock-Up
Causeway International Value	47,823,800	47,823,800						Bully	Daily, No Lock-Up
Harding Loevner Inst. Emerging Markets I	37,160,744	37,160,744						- Daily	Daily, No Lock-Up
Barrow Hanley Short Fixed	105,378,955	105,378,955						Daily	Daily, No Lock-Up
Cash Account	1,558,610	1,558,610						- Daily	Daily, No Lock-Up
Cash Account - CONCERN	86,563	86,563						Daily	Daily, No Lock-Up
Hedge Funds Cash	45,795	45,795						- Daily	Daily, No Lock-Up
Dodge & Cox Fixed	159,308,848	159,308,848						- Daily	Daily, No Lock-Up
MetWest Fixed	149,308,252	149,308,252						- Daily	Daily, No Lock-Up
Met West Total Return Bond Plan - CONCERN	14,054,384	14,054,384						- Daily	Daily, No Lock-Up
AG Realty Value Fund X, LP	1,500,000						1,500,000	Illiquid	Illiquid
Oaktree Capital Management RE Opportunities Fund VI	5,717,628						5,717,628	Illiquid	Illiquid
Walton Street Real Estate Fund VII, L.P.	5,523,489						5,523,489	Illiquid	Illiquid
Walton Street Real Estate Fund VIII, L.P.	8,596,476						8,596,476	Illiquid	Illiquid
Bloom Tree Offshore Fund Ltd.	11,214,537				11,214,537			- Quarterly	45 Day Notice, No Lock-Up
Capeview Azri 2X Fund USD B - U	3,639,334			3,639,334				Monthly	30 Day Notice, No Lock-Up
Capeview Azri Fund USD B – UV	6,220,686				6,220,686			Quarterly	30 Day Notice, 2.5% Redemption Penalty
Chatham Asset High Yield Offshore Fund, Ltd	10,458,416				10,458,416			Quarterly	45 Day Notice, 20% Fund level gate
DK Distressed Opportunities International, Ltd.	10,915,704					10,915,704		- Annually	90 Day Notice, No Lock-Up
EMSO Saguaro, Ltd.	10,501,100			10,501,100				- Monthly	60 Day Notice, 15% Fund level gate
Fir Tree International Value Fund (Non-US), L.P.[CE]	272,714						272,714	Illiquid	Redemption in Progress
Indus Japan Fund Ltd.	8,730,609				8,730,609			Quarterly	30 Day Notice, No Lock-up
Luxor Capital Partners Offshore, Ltd.	736,298						736,298	Illiquid	Redemption in Progress
Man Alternative Risk Premia SP Fund	10,024,034		10,024,034					Weekly	7 Day Notice, No Lock-Up
Marshall Wace Eureka Fund Class B2	10,352,614			10,352,614				Monthly	30 Day Notice, No Lock-Up
Moore Macro Managers Fund	10,399,470				10,399,470			- Quarterly	60 Day Notice, No Lock-Up
Palestra Capital Offshore	10,670,569				10,670,569			- Quarterly	60 Day Notice, 12 mth soft lock
Pine River Fund Ltd.	54,290						54,290	Illiquid	Redemption in Progress
Renaissance RIDGE	9,961,858			9,961,858				Monthly	45 Days Notice, No Lock-Up
Carlson Black Diamond Arbitrage Ltd.	10,520,430			10,520,430				- Monthly	45 Day Notice, No Lock-Up
Robeco Transtrend Diversified Fund LLC	10,379,167			10,379,167				- Monthly	5 Day Notice, No Lock-Up
Stone Milliner Macro Inc Class A NI	10,030,298			10,030,298				- Monthly	60 Day Notice, 25% Master Fund level gate
York Credit Opportunities Unit Trust	10,313,613					10,313,613		- Annually	60 Day Notice, No Lock-Up
Total (\$)	1,028,698,236	828,505,132	10,024,034	88,844,573	57,694,287	21,229,317	22,400,895	;	-
Total (%)	100.0	80.5	1.0	8.6	5.6	2.1	2.2	!	



Liquidity Schedule





Asset Class Diversification

Cash Balance Plan Investment Program Structure As of June 30, 2019

Manager	Asset Class/Type	Total Assets (\$, mil.)	Percent of Total	Target Allocation	Weighting Relative to Target	Target Range
Large-Cap Domestic Equity		\$ 79.3	28.6%	27.0%	+ 1.6%	
Vanguard S&P 500 Index	Large-Cap Index	\$ 38.1	13.7%	13.5%	+ 0.2%	
Sands	Large-Cap Growth	\$ 21.0	7.5%	6.8%	+ 0.7%	
Barrow Hanley	Large-Cap Value	\$ 20.3	7.3%	6.8%	+ 0.5%	27-37%
Small-Cap Domestic Equity		\$ 14.8	5.3%	5.0%	+ 0.3%	
Conestoga	Small-Cap Growth	\$ 7.6	2.7%	2.5%	+ 0.2%	
Wellington	Small-Cap Value	\$ 7.3	2.6%	2.5%	+ 0.1%	
International Equity		\$ 48.9	17.6%	18.0%	- 0.4%	15-21%
Causeway	International Value	\$ 18.4	6.6%			
BNY Mellon	International Growth	\$ 23.7	8.5%			
Harding Loevner	Emerging Markets	\$ 6.7	2.4%			
Short-Duration Fixed Income		\$ 9.8	3.5%	5.0%	- 1.5%	0-8%
Barrow Hanley	Short Duration	\$ 6.4	2.3%			
Cash	Money Market	\$ 3.4	1.2%			
Market-Duration Fixed Income	е	\$ 73.6	26.5%	25.0%	+ 1.5%	20-30%
Dodge & Cox	Market Duration	\$ 36.6	13.2%	12.5%	+ 0.7%	
MetWest	Market Duration	\$ 37.0	13.3%	12.5%	+ 0.8%	
Alternatives		\$ 51.1	18.4%	20.0%	- 1.6%	17-23%
Lighthouse	HFOF	\$ 18.8	6.8%			
Pointer	HFOF	\$ 19.0	6.9%			
Oaktree RE Opps VI	Real Estate	\$ 3.4	1.2%			
Walton Street RE VII	Real Estate	\$ 3.3	1.2%			
Walton Street RE VIII	Real Estate	\$ 6.6	2.4%			
Total		\$277.6	100.0%			

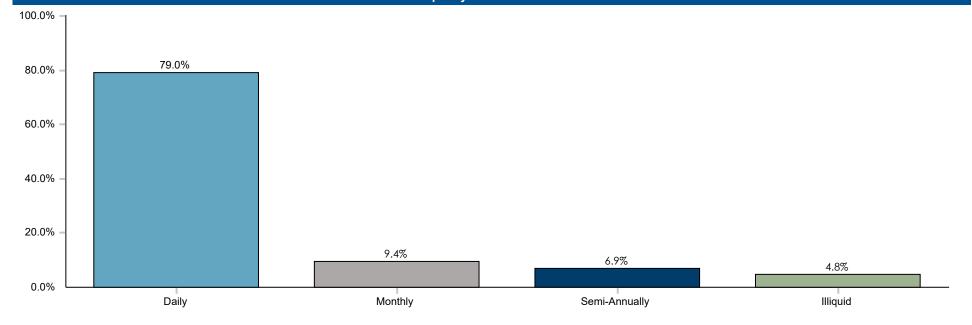
^{*}Totals may not add due to rounding.



Liquidity Schedule - Cash Balance

Investments	Market Value (\$)	Daily (\$)	Monthly (\$)	Semi-Annually (\$)	Illiquid (\$)	Contributions	Withdrawals	Notes
Vanguard Institutional Index Fund	38,084,571	38,084,571				Daily	Daily	Daily, No Lock-Up
Sands Large Cap Growth (Touchstone)	20,954,919	20,954,919				Daily	Daily	Daily, No Lock-Up
Barrow Hanley Large Cap Value	20,283,066	20,283,066				Daily	Daily	Daily, No Lock-Up
Conestoga Small-Cap Fund I	7,552,196	7,552,196				Daily	Daily	Daily, No Lock-Up
Wellington Small Cap Value	7,276,330		7,276,330			Monthly	Monthly	10 Day Notice, No Lock-Up
Causeway International Value	18,418,137	18,418,137				Daily	Daily	Daily, No Lock-Up
BNY Mellon International Stock Fund	23,712,962	23,712,962				Daily	Daily	Daily, No Lock-Up
Harding Loevner Inst. Emerging Markets I	6,749,672	6,749,672				Daily	Daily	Daily, No Lock-Up
Barrow Hanley Short Fixed	6,423,704	6,423,704				Daily	Daily	Daily, No Lock-Up
Cash Account	3,371,861	3,371,861				Daily	Daily	Daily, No Lock-Up
Dodge & Cox Income Fund	36,625,022	36,625,022				Daily	Daily	Daily, No Lock-Up
Met West Total Return Fund Pl	37,008,271	37,008,271				Daily	Daily	Daily, No Lock-Up
Lighthouse Diversified	18,797,237		18,797,237			Monthly	Monthly	90 Day Notice, No Lock-Up
Pointer Offshore LTD	19,018,028			19,018,028		Semi-Annually	Semi-Annually	Notice by Mar 15/Sept 15
Oaktree RE Opportunities Fund V	3,394,156				3,394,156	Illiquid	Illiquid	Illiquid
Walton Street Real Estate Fund VII, L.P.	3,306,292				3,306,292	Illiquid	Illiquid	Illiquid
Walton Street Real Estate Fund VIII, L.P.	6,612,674				6,612,674	Illiquid	Illiquid	Illiquid
Total (\$)	277,589,098	219,184,380	26,073,567	19,018,028	13,313,123	-	-	-
Total (%)	100.0	79.0	9.4	6.9	4.8			





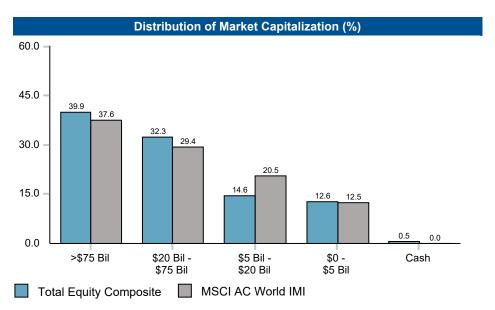


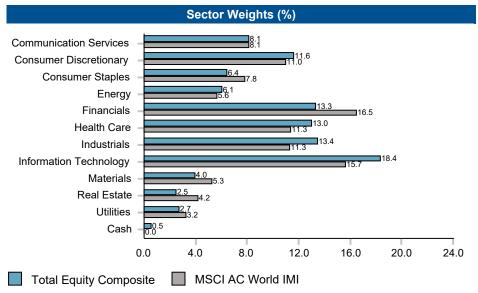
Surplus Cash Equity Portfolio Characteristics

Surplus Cash Equity Composite vs. MSCI AC World IMI As of June 30, 2019

Portfolio Characteristics					
	Portfolio	Benchmark			
Wtd. Avg. Mkt. Cap (\$M)	140,564	136,029			
Median Mkt. Cap (\$M)	17,771	1,679			
Price/Earnings ratio	20.5	16.9			
Price/Book ratio	3.4	2.8			
5 Yr. EPS Growth Rate (%)	14.5	13.0			
Current Yield (%)	2.0	2.5			
Debt to Equity	1.2	1.5			
Number of Stocks	816	8,866			
Beta (5 Years, Monthly)	1.01	1.00			
Consistency (5 Years, Monthly)	53.33	0.00			
Sharpe Ratio (5 Years, Monthly)	0.61	0.53			
Information Ratio (5 Years, Monthly)	0.57	-			
Up Market Capture (5 Years, Monthly)	104.66	100.00			
Down Market Capture (5 Years, Monthly)	98.62	100.00			

Top Ten Equity Holdings					
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)	
Amazon.com Inc	2.0	1.5	0.5	6.3	
Microsoft Corp	1.7	1.8	-0.1	14.0	
Visa Inc	1.4	0.6	0.8	11.3	
Apple Inc	1.1	1.7	-0.6	4.6	
Alibaba Group Holding Ltd	1.1	0.5	0.6	-7.1	
Facebook Inc	1.1	0.9	0.2	15.8	
ServiceNow Inc	1.0	0.1	0.9	11.4	
Alphabet Inc	1.0	0.6	0.4	-8.0	
Netflix Inc	1.0	0.3	0.7	3.0	
JPMorgan Chase & Co	0.8	0.7	0.1	11.3	
% of Portfolio	12.2	8.7	3.5		





Equity composite holdings are a consolidation of the underlying manager exposures weighted by the ending market value. Cash holdings for certain managers may not be included.



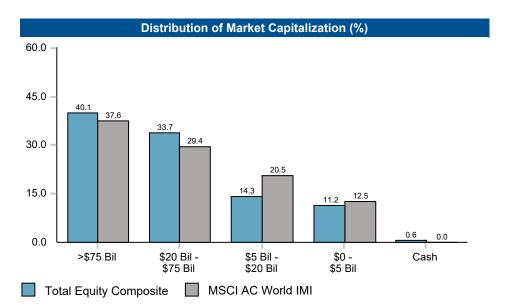
Cash Balance Plan Equity Portfolio Characteristics

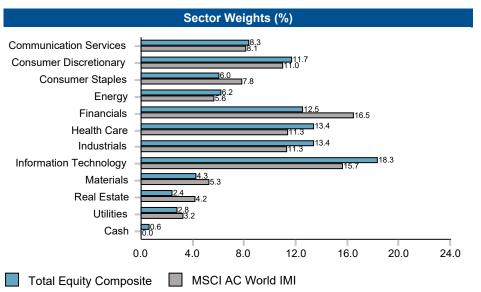
Cash Balance Plan Equity Composite vs. MSCI AC World IMI

As of June 30, 2019

Portfolio Characteristics				
	Portfolio	Benchmark		
Wtd. Avg. Mkt. Cap (\$M)	140,115	136,029		
Median Mkt. Cap (\$M)	17,771	1,679		
Price/Earnings ratio	20.6	16.9		
Price/Book ratio	3.4	2.8		
5 Yr. EPS Growth Rate (%)	14.6	13.0		
Current Yield (%)	2.0	2.5		
Debt to Equity	1.2	1.5		
Number of Stocks	816	8,866		
Beta (5 Years, Monthly)	1.01	1.00		
Consistency (5 Years, Monthly)	51.67	0.00		
Sharpe Ratio (5 Years, Monthly)	0.61	0.53		
Information Ratio (5 Years, Monthly)	0.56	-		
Up Market Capture (5 Years, Monthly)	105.24	100.00		
Down Market Capture (5 Years, Monthly)	99.41	100.00		

Top Ten Equity Holdings					
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)	
Amazon.com Inc	2.1	1.5	0.6	6.3	
Visa Inc	1.6	0.6	1.0	11.3	
Microsoft Corp	1.6	1.8	-0.2	14.0	
ServiceNow Inc	1.3	0.1	1.2	11.4	
Alibaba Group Holding Ltd	1.2	0.5	0.7	-7.1	
Netflix Inc	1.1	0.3	0.8	3.0	
Facebook Inc	1.1	0.9	0.2	15.8	
Alphabet Inc	1.1	0.6	0.5	-8.0	
Apple Inc	1.0	1.7	-0.7	4.6	
JPMorgan Chase & Co	0.9	0.7	0.2	11.3	
% of Portfolio	13.0	8.7	4.3		





Equity composite holdings are a consolidation of the underlying manager exposures weighted by the ending market value. Cash holdings for certain managers may not be included.



Surplus Cash Equity Portfolio - Country/Region Allocation

Surplus Cash Equity Composite vs. MSCI AC World IMI

	Total Equity Composite	MSCI AC World IMI
Canada	1.5	3.2
United States	60.6	52.8
Australia	0.5	2.2
Hong Kong	3.6	2.5
New Zealand	0.0	0.1
Singapore	0.0	0.5
Pacific ex Japan	4.1	5.2
Japan	4.9	7.5
Austria	0.0	0.1
Belgium	0.0	0.4
Denmark	1.0	0.5
Finland	0.4	0.4
France	2.2	2.9
Germany	2.3	2.5
Ireland	1.7	1.1
Italy	0.4	0.7
Netherlands	1.2	1.7
Norway	0.0	0.3
Portugal	0.1	0.1
Spain	0.4	0.9
Sweden	0.0	0.9
Switzerland	3.6	2.9
Europe ex UK	13.2	15.4
United Kingdom	6.2	5.1
Israel	0.0	0.2
Middle East	0.0	0.2
Developed Markets	90.4	89.4

	Total Equity Composite	MSCI AC World IMI
China	2.2	2.0
India	0.7	1.1
Indonesia	0.3	0.3
Korea	1.1	1.5
Malaysia	0.0	0.3
Pakistan	0.0	0.0
Philippines	0.0	0.1
Taiwan	1.0	1.4
Thailand	0.2	0.4
EM Asia	5.4	7.0
Czech Republic	0.1	0.0
Greece	0.0	0.0
Hungary	0.0	0.0
Poland	0.0	0.1
Russia	0.7	0.4
Turkey	0.0	0.1
EM Europe	0.9	0.7
Argentina	0.0	0.1
Brazil	0.7	0.9
Cayman Islands	0.0	0.0
Chile	0.0	0.1
Colombia	0.1	0.0
Mexico	0.4	0.3
Peru	0.0	0.0
Virgin Islands	0.0	0.0
EM Latin America	1.3	1.5
Egypt	0.1	0.0
Qatar	0.0	0.1
South Africa	0.4	0.7
United Arab Emirates	0.1	0.1
EM Mid East+Africa	0.6	0.9
Emerging Markets	8.2	10.0
Frontier Markets	0.1	0.0
Cash	0.5	0.0
Other	0.7	0.6
Total	100.0	100.0



Cash Balance Plan Equity Portfolio - Country/Region Allocation

Cash Balance Plan Equity Composite vs. MSCI AC World IMI

	Total Equity Composite	MSCI AC World IMI
Canada	1.6	3.2
United States	60.6	52.8
Australia	0.6	2.2
Hong Kong	3.1	2.5
New Zealand	0.0	0.1
Singapore	0.0	0.5
Pacific ex Japan	3.7	5.2
Japan	5.5	7.5
Austria	0.0	0.1
Belgium	0.0	0.4
Denmark	1.1	0.5
Finland	0.4	0.4
France	2.5	2.9
Germany	2.6	2.5
Ireland	1.8	1.1
Italy	0.5	0.7
Netherlands	1.3	1.7
Norway	0.0	0.3
Portugal	0.2	0.1
Spain	0.5	0.9
Sweden	0.0	0.9
Switzerland	4.0	2.9
Europe ex UK	14.8	15.4
United Kingdom	7.1	5.1
Israel	0.0	0.2
Middle East	0.0	0.2
Developed Markets	93.3	89.4

	Total Equity Composite	MSCI AC World IMI
China	1.9	2.0
India	0.4	1.1
Indonesia	0.2	0.3
Korea	0.8	1.5
Malaysia	0.0	0.3
Pakistan	0.0	0.0
Philippines	0.0	0.1
Taiwan	0.7	1.4
Thailand	0.1	0.4
EM Asia	4.1	7.0
Czech Republic	0.0	0.0
Greece	0.0	0.0
Hungary	0.0	0.0
Poland	0.0	0.1
Russia	0.4	0.4
Turkey	0.1	0.1
EM Europe	0.5	0.7
Argentina	0.0	0.1
Brazil	0.4	0.9
Cayman Islands	0.0	0.0
Chile	0.0	0.1
Colombia	0.1	0.0
Mexico	0.2	0.3
Peru	0.0	0.0
Virgin Islands	0.0	0.0
EM Latin America	0.7	1.5
Egypt	0.0	0.0
Qatar	0.0	0.1
South Africa	0.2	0.7
United Arab Emirates	0.1	0.1
EM Mid East+Africa	0.3	0.9
Emerging Markets	5.6	10.0
Frontier Markets	0.1	0.0
Cash	0.6	0.0
Other	0.5	0.6
Total	100.0	100.0



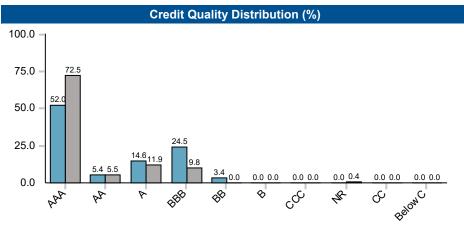
Surplus Cash Fixed Income Portfolio Characteristics

Surplus Cash Fixed Income Composite vs. Total Fixed Income Benchmark - Surplus

As of June 30, 2019

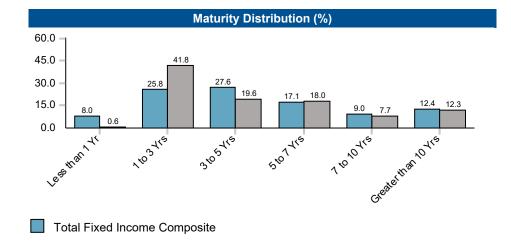
Portfolio Characteristics							
	Portfolio	Benchmark					
Effective Duration	4.2	4.6					
Avg. Maturity	6.3	6.4					
Avg. Quality	A	AA+					
Yield To Maturity (%)	2.7	2.4					

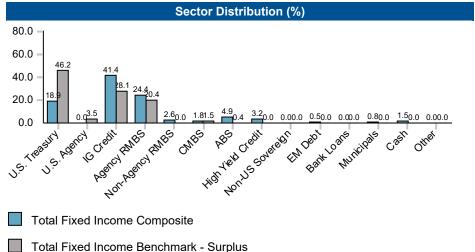
Historical	Statistics - 5 Y	ears	
	Up Market Capture	Down Market Capture	Maximum Drawdown
Total Fixed Income Composite	89.5	71.3	-1.7
Total Fixed Income Benchmark - Surplus	100.0	100.0	-2.6



Total Fixed Income Composite

Total Fixed Income Benchmark - Surplus







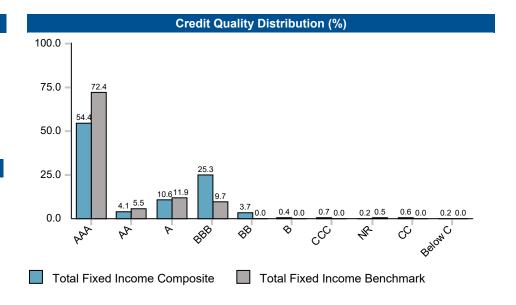
Total Fixed Income Benchmark - Surplus

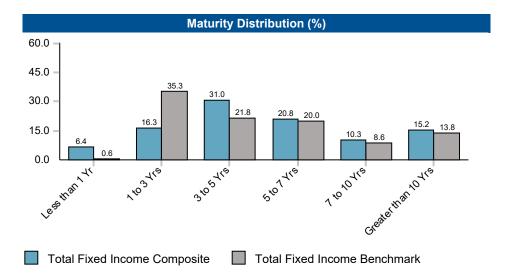
Cash Balance Fixed Income Portfolio Characteristics

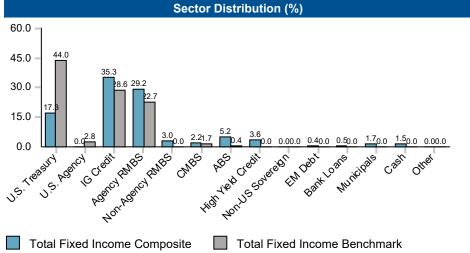
Cash Balance Fixed Income Composite vs. Total Fixed Income Benchmark

Portfolio Characteristics								
	Portfolio	Benchmark						
Effective Duration	4.7	4.9						
Avg. Maturity	7.2	6.9						
Avg. Quality	AA	A						
Yield To Maturity (%)	2.9	2.4						

His	torical Statistics -	5 Years	
	Up Market Capture	Down Market Capture	Maximum Drawdown
Total Fixed Income Composite	95.7	77.2	-2.0
Total Fixed Income Benchmark	100.0	100.0	-2.5

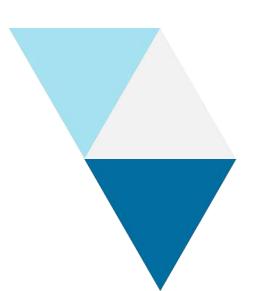








Direct Hedge Fund Portfolio







Surplus Cash Hedge Fund Portfolio Executive Summary

Portfolio Update - Second Quarter 2019

The Surplus Cash Hedge Fund Portfolio (the "Portfolio") returned +1.6% during the second quarter of 2019, slightly underperforming the HFRI Fund of Funds Composite Index return of +1.7%. Each of the Portfolio's four strategies contributed positively to the Portfolio's performance on an absolute basis. Equity Long/Short strategies (+2.9%) contributed the most, followed by Macro (+2.1%), Relative Value (+0.2%) and Credit (+0.2). On a relative basis, Equity Long/Short outperformed its respective reference index while Credit, Macro, and Relative Value underperformed.

Strategy	Q2 Absolute Performance	12-Month Absolute Performance	Strategy Commentary		nnager Highlights Contributors/Detr	actors
Equity Long / Short	+	+	Palestra's core long positions performed strongly while Bloom Tree profited from both core long positions and the short book. Marshall Wace's Fundamental strategies contributed most of its gains with smaller profits coming from TOPS and Liquid Alpha. Indus Japan fell on the quarter as the fund's two largest long positions detracted from performance.	+	Palestra Bloom Tree Marshall Wace Indus Japan	+6.7% +5.9% +2.7% -0.5%
Credit	+	-	York benefited from positions in both the debt and post re-org equity of core energy and utility names. The firm is using the buoyant market environment to exit positions and raise dry powder. Credit managers were challenged by broad-based weakness in lower-quality and energy credits—this affected Davidson Kempner and Chatham to an extent, but modest losses from these managers were also driven by dispersion in idiosyncratic positioning as well as hedging.	+	York DK Distressed Chatham	+1.5% -0.3% -0.5%
Macro	+	-	Discretionary macro strategies had a strong quarter. <i>Moore</i> successfully traded the moves in developed market interest rates which rallied as central banks signaled a pivot to easier policy. <i>Stone Milliner</i> also profited from interest rates as well as from the sizeable rally in gold. <i>Emso</i> experienced gains across the portfolio with both Local and Hard currency sovereign bonds in EMEA and LatAm performing notably well.	+	Moore Macro Emso Stone Milliner	+3.5% +2.3% +1.7%
Relative Value	+	+	Carlson's Event/Special Situation positions drove returns with additional gains coming from trading in Merger Arbitrage. Renaissance posted modest losses that were in line with expectations given the fund's volatility and low correlation. The fund's low-volatility factor exposure helped to partially offset stock picking losses primarily from domestic signals.	+	Carlson Renaissance	-0.8%



2nd Quarter Investment Activity

The Portfolio activity during the quarter is summarized in the table below:

Fund	Strategy	Activity Details	Status
Pine River Fund Ltd.	Relative Value	Redemption submitted starting on December 31, 2016. Pine River is currently liquidating the fund.	Received \$20k in May 2019 and \$7k in July 2019. Further distributions are expected over time as the fund's liquidation process continues.
Tiger Eye Fund, Ltd.	Equity Long / Short	Redemption submitted as of December 31, 2018.	Remaining audit holdback proceeds received in May 2019. Investment now fully liquidated.
The BlackRock 32 Capital Fund Ltd.	Relative Value	Redemption submitted as of March 29, 2019.	\$5.8 million received in April 2019. Investment now fully liquidated.
Chatham Asset High Yield Offshore Fund, Ltd.	Credit	Redemption submitted as of June 30, 2019.	\$9.4 million received in July 2019, with \$1.0 million audit holdback remaining.
Palestra Capital Offshore Fund, Ltd.	Equity Long / Short	Subscription submitted as of April 1, 2019.	Completed.
Man Alternative Risk Premia SP	Relative Value	Subscription submitted as of June 10, 2019.	Completed.

Rating Changes

During the quarter, no rating changes occurred.

Recommendations or Action Items

Pavilion recommends a \$10 million initial investment in Waterfall Eden Fund, Ltd. This investment would be funded using redemption proceeds from Chatham Asset High Yield Offshore Fund, Ltd.



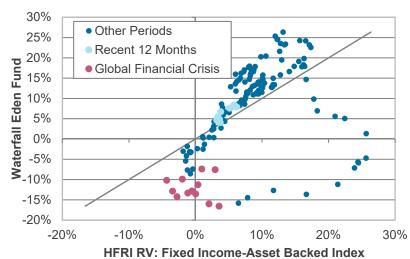
WATERFALL EDEN FUND

- Category: Structured Credit High Yield Asset Backed Securities
- Firm/Strategy: Waterfall Asset Management LLC ("Waterfall") was founded in 2004 by Thomas Capasse and Jack Ross (co-founders of the Merrill Lynch ABS group in 1987). Waterfall invests in distressed and high-yield structured finance securities, including asset-backed securities, consumer and commercial performing and non-performing loans, residential and commercial mortgage-backed securities and investment in pools of loans. The Eden Fund aims to generate consistent returns that are uncorrelated to traditional financial markets by investing in less-liquid, underfollowed parts of the asset-backed securities (ABS) market. The strategy seeks to find the most attractive relative value across the entirety of the ABS market, focusing on the "non-traditional/esoteric" segments.

Waterfall is headquartered in New York with a satellite office in London.

Mercer Evaluation: The Eden Fund gains exposure to off-the radar ABS investments that investors may not get exposure to in other funds and are less correlated to traditional markets. The Fund has one of the longest track records in the ABS space and is supported by a seasoned team of investment professionals, including two Principals with over 60 years of combined experience in ABS investing.

Rolling 1-Year Returns



Global financial Crisis: Jul 2008 – Jun 2009

Returns (Net of Fees) As of 6/30/2019	1-yr	3-yr	5-yr	10-yr	10-yr Std. Deviation
Waterfall Eden	4.1%	8.9%	6.1%	10.5%	3.4%
HFRI RV: Fixed Income-Asset Backed	3.7%	6.7%	4.9%	9.2%	2.5%

As of 6/30/2019	Waterfall Eden
Total Firm AUM:	\$8.5 B
Total Strategy/Product AUM:	\$5.2 B
Liquidity Terms:	Series B: Quarterly with 25% Investor- Level Gate (1 year cleanup); 90 days notice*; 1-yr. soft lock (7%)
Management Fee:	Series B: 1.5%*
Performance Fee:	Series B: 18%*
Typical Exposures:	Leverage: ~125-150% Rate Duration: 0.5-0.9 Spread Duration: 2.5-5.0
Mercer Rating:	А
Auditor:	Deloitte & Touche
Administrator:	U.S. Bancorp Fund Services
Firm / Strategy Inception Date:	2004 / January 2005

*Reflects a Mercer-negotiated reduced-fee arrangement from an original management fee and performance fee of 1.8% and 20%, respectively. The Eden Fund also offers Series A with a negotiated management fee and performance fee of 1.3% and 15%, respectively; Quarterly with 12.5% Investor-Level Gate (2 year cleanup); 90 days notice; 1-yr. soft lock (7%)



Direct Hedge Fund Portfolio Asset Allocation & Performance

	Allocati	on				Performance(%)					
	Market Value (\$)	%	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	Since Invested	Inception Period	
Hedge Fund Composite	155,395,738	100.0	1.6	4.1	0.2	0.2	4.7	1.7	2.8	6y 2m	
HFRI Fund of Funds Composite Index			1.7	6.4	1.4	1.4	4.3	2.2	2.9		
El Camino HF Composite Benchmark			1.7	6.5	1.2	1.2	5.0	2.6	3.5		
Equity HF Composite	51,564,646	33.2	2.9	6.5	0.0	0.0	5.4	1.4	2.5	6y 2m	
HFRI Equity Hedge (Total) Index			1.8	9.5	0.5	0.5	6.8	3.5	4.7		
Credit HF Composite	31,687,733	20.4	0.2	2.4	-1.1	-1.1	8.3	2.0	4.9	6y 2m	
HFRI ED: Distressed/Restructuring Index			1.3	4.5	-0.1	-0.1	6.7	1.6	3.4		
Macro HF Composite	41,310,034	26.6	2.1	3.6	-0.4	-0.4	0.9	2.4	1.5	6y 2m	
HFRI Macro (Total) Index			2.7	5.0	2.6	2.6	0.4	1.4	0.9		
Relative Value HF Composite	30,833,325	19.8	0.2	2.8	3.4	3.4	4.9	1.6	2.8	6y 2m	
HFRI RV: Multi-Strategy Index	,		1.2	3.8	2.2	2.2	4.1	2.9	3.4	·	

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized.

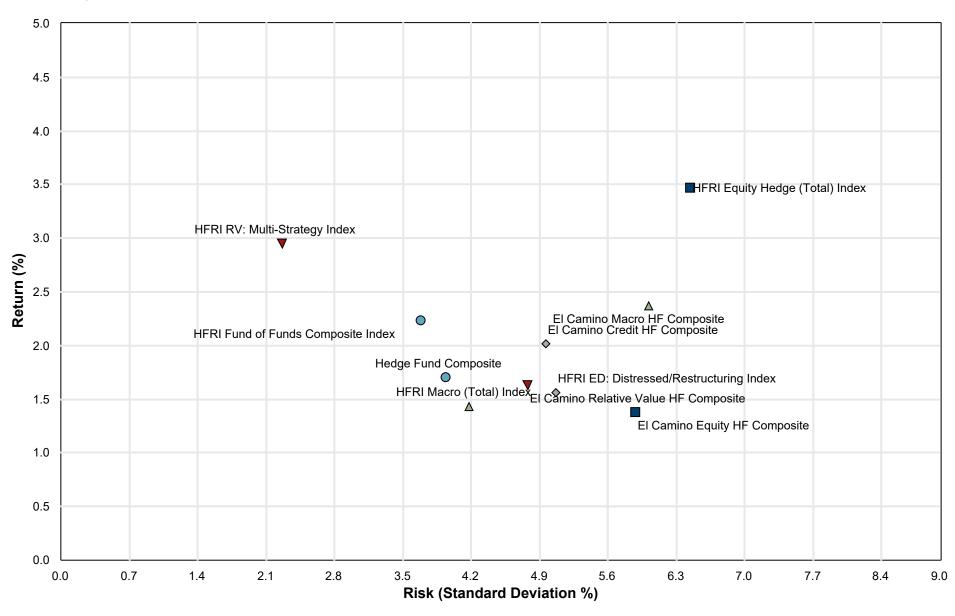
The El Camino HF Composite Benchmark consists of 40% HFRI Equity Hedge (Total) Index, 20% HFRI ED: Distressed/Restructuring Index, 20% HFRI Macro (Total) Index, and 20% HFRI RV: Multi-Strategy Index.



Direct Hedge Fund Portfolio

Risk and Return Summary (Net of Fees)

5 Years Ending June 30, 2019



Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized.



Direct Hedge Fund Portfolio Risk Statistics

As of June 30, 2019

	Since Inception Return	Since Inception Standard Deviation	Since Inception Maximum Drawdown	Since Inception Best Quarter	Since Inception Worst Quarter	Since Inception Sharpe Ratio	Since Inception Sortino Ratio	Inception Period
Total Portfolio								
Hedge Fund Composite	2.8	3.8	-9.5	4.9	-5.7	0.5	0.8	6y 2m
HFRI Fund of Funds Composite Index	2.9	3.6	-7.6	4.6	-4.9	0.6	0.9	
Equity Long/Short								
El Camino Equity HF Composite	2.5	5.6	-14.3	5.7	-8.2	0.3	0.5	6y 2m
HFRI Equity Hedge (Total) Index	4.7	6.2	-10.3	7.6	-8.5	0.7	1.0	
Credit								
El Camino Credit HF Composite	4.9	5.1	-18.5	7.0	-6.6	0.8	1.3	6y 2m
HFRI ED: Distressed/Restructuring Index	3.4	4.9	-17.5	7.4	-6.4	0.6	0.9	
Macro								
El Camino Macro HF Composite	1.5	5.9	-7.4	7.9	-5.0	0.2	0.2	6y 2m
HFRI Macro (Total) Index	0.9	4.0	-6.8	5.1	-4.0	0.1	0.1	
Relative Value								
El Camino Relative Value HF Composite	2.8	4.6	-13.8	5.3	-8.1	0.5	0.7	6y 2m
HFRI RV: Multi-Strategy Index	3.4	2.2	-4.2	2.9	-2.4	1.2	2.0	

Returns are expressed as percentages and are net of investment management fees. Returns for periods greater than one year are annualized.



Asset Class Diversification

Hedge Fund Portfolio As of June 30, 2019

		Total Assets	Percent of	Target	Weighting Relative to
Manager	Asset Class/Type	(\$, mil.)	Total	Allocation	Target
Equity Hedge Funds		\$ 51.6	33.2%	40.0%	- 6.8%
Luxor	Event Driven Equity	\$ 0.7	0.5%		
CapeView 1x	European Equity	\$ 6.2	4.0%		
CapeView 2x	European Equity	\$ 3.6	2.3%		
BloomTree	Global Equity	\$ 11.2	7.2%		
Marshall Wace Eureka	Global Equity	\$ 10.4	6.7%		
Indus Japan	Japanese Equity	\$ 8.7	5.6%		
Palestra	Long/Short Equity	\$ 10.7	6.9%		
Credit Hedge Funds		\$ 31.7	20.4%	20.0%	+ 0.4%
Davidson Kempner	Distressed Credit	\$ 10.9	7.0%		
York	Multi-Strategy Credit	\$ 10.3	6.6%		
Chatham Asset	High Yield	\$ 10.5	6.7%		
Macro Hedge Funds		\$ 41.3	26.6%	20.0%	+ 6.6%
BP Transtrend	Systematic Macro	\$ 10.4	6.7%		
Moore	Discretionary Macro	\$ 10.4	6.7%		
Stone Milliner	Discretionary Macro	\$ 10.0	6.5%		
EMSO Saguaro	Discretionary Macro	\$ 10.5	6.8%		
Relative Value Hedge Funds		\$ 30.8	19.8%	20.0%	- 0.2%
Renaissance RIDGE	Quantitative Market Neutral	\$ 10.0	6.4%		
Fir Tree	Multi-Strategy	\$ 0.3	0.2%		
Pine River	Multi-Strategy	\$ 0.1	0.0%		
Black Diamond Arbitrage	Event/Merger Arbitrage	\$ 10.5	6.8%		
Man Alternative Risk Premia	Alternative Risk Premia	\$ 10.0	6.5%		
Total Hedge Fund Portfolio		\$155.4	100.0%		



Direct Hedge Fund Performance Summary

		Year To	Fiscal	1	3	5	Since							Inception
	Quarter	Date	YTD	Year	Years	Years	Invested	2018	2017	2016	2015	2014	2013	Period
Total Portfolio														
Hedge Fund Composite	1.6	4.1	0.2	0.2	4.7	1.7	2.8	-1.4	7.2	1.0	-1.6	2.2	-	6y 2m
HFRI Fund of Funds Composite Index	1.5	6.2	1.2	1.2	4.3	2.2	2.9	-4.0	7.8	0.5	-0.3	3.4	9.0	
El Camino HF Composite Benchmark	1.6	6.4	1.1	1.1	5.0	2.6	3.5	-4.1	7.7	6.7	-2.1	2.2	9.9	
Equity Long/Short														
Equity HF Composite	2.9	6.5	0.0	0.0	5.4	1.4	2.5	-3.7	12.1	-8.0	2.0	-0.4	-	6y 2m
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	4.7	-7.1	13.3	5.5	-1.0	1.8	14.3	
Bloom Tree Offshore Fund, Ltd.	5.9	9.7	15.5	15.5	9.5	4.3	4.9	0.5	8.6	-3.8	6.3	3.0	12.8	5y 3m
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	3.7	-7.1	13.3	5.5	-1.0	1.8	14.3	
CapeView Azri Fund Limited	0.2	0.8	-3.5	-3.5	3.7	3.1	3.2	0.6	7.6	-8.3	9.8	4.6	11.4	6y
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	4.9	-7.1	13.3	5.5	-1.0	1.8	14.3	
CapeView Azri 2X Fund	0.0	0.9	-8.7	-8.7	7.1	6.0	6.5	-0.4	16.2	-15.9	21.6	9.8	24.4	6y
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	4.9	-7.1	13.3	5.5	-1.0	1.8	14.3	
Indus Japan Fund Ltd.	-0.5	4.7	-15.8	-15.8	3.3	0.8	1.0	-20.1	21.6	-7.5	1.8	6.3	45.0	5y 7m
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	3.9	-7.1	13.3	5.5	-1.0	1.8	14.3	
Marshall Wace Eureka Fund Class B2	2.7	7.3	1.5	1.5	7.8	8.1	6.4	-0.2	12.0	1.3	11.7	8.1	21.1	1y 11m
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	3.6	-7.1	13.3	5.5	-1.0	1.8	14.3	
Palestra Capital Offshore	6.7	17.0	8.2	8.2	12.9	9.6	6.7	-2.3	14.9	8.7	11.4	5.3	23.9	0y 3m
HFRI Equity Hedge (Total) Index	1.6	9.3	0.3	0.3	6.8	3.4	1.6	-7.1	13.3	5.5	-1.0	1.8	14.3	

Returns are expressed as percentages. Returns for periods greater than one year are annualized. From May 1, 2013, results shown are El Camino Hedge Fund Portfolio returns. Returns for CapeView Azri 2x Fund prior to October 2010 are those of CapeView Azri Fund Limited; returns for BP Transtrend Diversified Fund, LLC prior to April 2008 are those of the Transtrend Diversified Trend Program Enhanced Risk (USD) Fund.



Direct Hedge Fund Performance Summary

	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	Since Invested	2018	2017	2016	2015	2014	2013	Inception Period
Credit														
Credit HF Composite	0.2	2.4	-1.1	-1.1	8.3	2.0	4.9	0.7	9.9	14.7	-8.2	2.8	-	6y 2m
HFRI ED: Distressed/Restructuring Index	1.4	4.6	0.0	0.0	6.7	1.6	3.4	-1.7	6.3	15.1	-8.1	-1.4	14.0	
Chatham Asset High Yield Offshore Fund, Ltd	-0.5	2.2	2.9	2.9	11.0	10.5	6.9	4.7	13.5	24.3	5.6	5.5	12.5	1y 11m
HFRI ED: Distressed/Restructuring Index	1.4	4.6	0.0	0.0	6.7	1.6	2.7	-1.7	6.3	15.1	-8.1	-1.4	14.0	
DK Distressed Opportunities International (Cayman) Ltd.	-0.3	3.4	0.3	0.3	9.2	4.5	7.1	2.7	9.5	21.4	-6.2	3.2	21.7	6y 2m
HFRI ED: Distressed/Restructuring Index	1.4	4.6	0.0	0.0	6.7	1.6	3.4	-1.7	6.3	15.1	-8.1	-1.4	14.0	
York Credit Opportunities Unit Trust	1.5	1.6	-6.2	-6.2	5.6	-0.9	2.5	-4.8	12.5	4.1	-7.9	3.4	15.6	6y 2m
HFRI ED: Distressed/Restructuring Index	1.4	4.6	0.0	0.0	6.7	1.6	3.4	-1.7	6.3	15.1	-8.1	-1.4	14.0	
Macro														
Macro HF Composite	2.1	3.6	-0.4	-0.4	0.9	2.4	1.5	-4.0	0.1	5.0	1.0	7.7	-	6y 2m
HFRI Macro (Total) Index	2.5	4.9	2.4	2.4	0.4	1.4	0.9	-4.1	2.2	1.0	-1.3	5.6	-0.4	
BP Transtrend Diversified Fund LLC	0.9	5.5	-1.3	-1.3	-0.5	3.7	3.1	-7.2	1.4	8.2	-1.1	18.9	0.6	6y 2m
HFRI Macro (Total) Index	2.5	4.9	2.4	2.4	0.4	1.4	0.9	-4.1	2.2	1.0	-1.3	5.6	-0.4	
EMSO Saguaro, Ltd.	2.3	5.1	3.0	3.0	3.9	4.4	1.5	-4.6	7.7	10.2	6.2	2.6	2.7	1y 11m
HFRI Macro (Total) Index	2.5	4.9	2.4	2.4	0.4	1.4	1.5	-4.1	2.2	1.0	-1.3	5.6	-0.4	
Moore Macro Managers Fund Ltd.	3.5	3.4	-2.5	-2.5	1.7	1.4	1.5	-3.3	0.6	0.0	3.1	5.4	13.4	5y 3m
HFRI Macro (Total) Index	2.5	4.9	2.4	2.4	0.4	1.4	1.6	-4.1	2.2	1.0	-1.3	5.6	-0.4	
Stone Milliner Macro Fund Inc.	1.7	0.4	-0.4	-0.4	0.5	4.0	0.7	1.2	-5.5	4.9	5.7	14.3	11.2	4y 4m
HFRI Macro (Total) Index	2.5	4.9	2.4	2.4	0.4	1.4	0.0	-4.1	2.2	1.0	-1.3	5.6	-0.4	

Returns are expressed as percentages. Returns for periods greater than one year are annualized. From May 1, 2013, results shown are El Camino Hedge Fund Portfolio returns. Returns for CapeView Azri 2x Fund prior to October 2010 are those of CapeView Azri Fund Limited; returns for BP Transtrend Diversified Fund, LLC prior to April 2008 are those of the Transtrend Diversified Trend Program Enhanced Risk (USD) Fund.

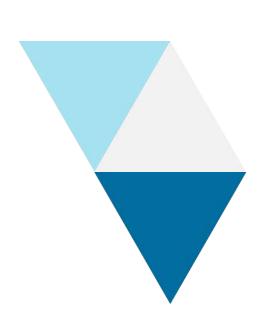


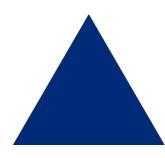
Direct Hedge Fund Performance Summary

	Quarter	Year To Date	Fiscal YTD	1 Year	3 Years	5 Years	Since Invested	2018	2017	2016	2015	2014	2013	Inception Period
Relative Value														
Relative Value HF Composite	0.2	2.8	3.4	3.4	4.9	1.6	2.8	5.3	4.4	-0.4	-4.0	1.6	-	6y 2m
HFRI RV: Multi-Strategy Index	1.1	3.9	2.3	2.3	4.1	3.0	3.4	-0.2	4.1	6.4	0.7	3.4	7.9	
(Carlson) Black Diamond Arbitrage Ltd.	1.0	2.7	4.6	4.6	7.4	7.6	5.0	6.4	6.8	10.8	10.5	3.9	7.5	0y 10m
HFRI ED: Merger Arbitrage Index	0.6	3.2	3.8	3.8	4.8	3.5	3.5	3.3	4.3	3.6	3.3	1.7	4.7	
HFRI RV: Multi-Strategy Index	1.1	3.9	2.3	2.3	4.1	3.0	2.0	-0.2	4.1	6.4	0.7	3.4	7.9	
Renaissance RIDGE	-0.8	1.4	8.2	8.2	8.0	16.1	6.3	10.4	12.4	13.3	25.6	17.0	7.7	1y 8m
HFRI EH: Equity Market Neutral Index	-0.1	1.3	-0.6	-0.6	2.4	2.6	0.7	-1.0	4.9	2.2	4.3	3.1	6.5	
HFRI RV: Multi-Strategy Index	1.1	3.9	2.3	2.3	4.1	3.0	2.6	-0.2	4.1	6.4	0.7	3.4	7.9	
Man Alternative Risk Premia SP Fund	2.2	4.1	1.7	1.7	4.8	8.1	-	-3.5	10.2	6.8	7.8	28.0	14.9	0y
HFRI RV: Multi-Strategy Index	1.1	3.9	2.3	2.3	4.1	3.0	-	-0.2	4.1	6.4	0.7	3.4	7.9	

Returns are expressed as percentages. Returns for periods greater than one year are annualized. From May 1, 2013, results shown are El Camino Hedge Fund Portfolio returns. Returns for CapeView Azri 2x Fund prior to October 2010 are those of CapeView Azri Fund Limited; returns for BP Transtrend Diversified Fund, LLC prior to April 2008 are those of the Transtrend Diversified Trend Program Enhanced Risk (USD) Fund.









Benchmark Descriptions

As of June 30, 2019

Surplus Cash

Surplus Cash Total Benchmark

Beginning March 2015, the Surplus Cash Total Benchmark consists of 40% Total Equity Benchmark - Surplus, 30% Barclays Capital Aggregate, 10% Short Duration Fixed Income Benchmark - Surplus, and 20% Total Alternatives Benchmark - Surplus. From August 2013 to March 2014, the Surplus Cash Total Benchmark consisted of 30% Total Equity Benchmark - Surplus, 40% Barclays Capital Aggregate, 20% Short Duration Fixed Income Benchmark - Surplus, and 10% Total Alternatives Benchmark - Surplus. During July 2013, the Surplus Cash Total Benchmark consisted of 30% Total Equity Benchmark - Surplus Cash Total Benchmark - Surplus, 40% Barclays Capital Aggregate, 21% Short Duration Fixed Income Benchmark - Surplus, and 9% Total Alternatives Benchmark - Surplus. From May 2013 to June 2013, the Surplus Cash Total Benchmark consisted of 30% Total Equity Benchmark - Surplus Cash Total Benchmark - Surplus Cash Total Benchmark consists of 30% Total Equity Benchmark - Surplus and 70% Total Fixed Income Benchmark - Surplus. From January 2007 to October 2012, the Surplus Cash Total Benchmark consisted of 15% Total Equity Benchmark - Surplus and 85% Total Fixed Income Benchmark - Surplus. From August 2000 to December 2006, the Surplus Cash Total Benchmark - Surplus.

Surplus Cash Total Benchmark X Privates

Beginning March 2015 the Surplus Cash Total Benchmark consists of 42.1% Total Equity Benchmark - Surplus, 31.6% Barclays Capital Aggregate, 10.5% Short Duration Fixed Income Benchmark - Surplus, and 15.8% Total Alternatives Benchmark - Surplus, and 15.8% Total Equity Benchmark - Surplus, and 10% Total Alternatives Benchmark - Surplus Cash Total Benchmark consisted of 30% Total Equity Benchmark - Surplus, and 10% Total Alternatives Benchmark - Surplus During July 2013, the Surplus Cash Total Benchmark consisted of 30% Total Equity Benchmark - Surplus, and 9% Total Alternatives Benchmark - Surplus. From May 2013 to June 2013, the Surplus Cash Total Benchmark - Surplus Cash Total Equity Benchmark - Surplus Cash Total Equity Benchmark - Surplus Cash Total Equity Benchmark consisted of 30% Total Equity Benchmark consists of 30% Total Equity Benchmark - Surplus and 70% Total Fixed Income Benchmark - Surplus. From January 2007 to October 2012, the Surplus Cash Total Benchmark consisted of 15% Total Equity Benchmark - Surplus and 85% Total Fixed Income Benchmark - Surplus Cash Total Benchmark consisted of 100% Total Fixed Income Benchmark - Surplus. From April 1991 to July 2000, the Surplus Cash Total Benchmark consisted of 100% Total Fixed Income Benchmark - Surplus.

Pre-Pavilion Surplus Cash Total Benchmark

Beginning January 2007, the Pre-Pavilion Surplus Cash Total Benchmark consists of 15% Total Equity Benchmark - Surplus and 85% Total Fixed Income Benchmark - Surplus. From August 2000 to December 2006, the Pre-Pavilion Surplus Cash Total Benchmark consisted of 2% Total Equity Benchmark - Surplus and 98% Total Fixed Income Benchmark - Surplus. From April 1991 to July 2000, the Pre-Pavilion Surplus Cash Total Benchmark consisted of 100% Total Fixed Income Benchmark - Surplus.

Total Equity Benchmark - Surplus

Beginning March 2015, the Total Equity Benchmark - Surplus consists of 50% Large Cap Equity Benchmark, 12.5% Small Cap Equity Benchmark, and 37.5% MSCI AC World ex USA (Net). From November 2012 to February 2015, the Total Equity Benchmark - Surplus consisted of 50% Large Cap Equity Benchmark, 16.67% Small Cap Equity Benchmark, and 33.33% MSCI AC World ex USA (Net). From April 1991 to October 2012, the Total Equity Benchmark - Surplus consisted of 100% Large Cap Equity Benchmark.

Domestic Equity Benchmark - Surplus

Beginning March 2015, the Domestic Equity Benchmark - Surplus consists of 80% Large Cap Equity Benchmark and 20% Small Cap Equity Benchmark. From November 2012 to February 2015, the Domestic Equity Benchmark - Surplus consisted of 75% Large Cap Equity Benchmark and 25% Small Cap Equity Benchmark. From April 1991 to October 2012, the Domestic Equity Benchmark - Surplus consisted of 100% Large Cap Equity Benchmark.



Benchmark Descriptions

As of June 30, 2019

Large Cap Equity Benchmark

Beginning November 2012, the Large Cap Equity Benchmark consists of 25% Russell 1000 Value Index, 25% Russell 1000 Growth Index, and 50% S&P 500 Index. From April 1991 to October 2012, the Large Cap Equity Benchmark consisted of 100% Russell 1000 Value Index.

Small Cap Equity Benchmark

Beginning November 2012, the Small Cap Equity Benchmark consists of 50% Russell 2000 Growth Index and 50% Russell 2000 Value Index.

Total Fixed Income Benchmark - Surplus

Beginning March 2015, the Total Fixed Income Benchmark - Surplus consists of 75% Barclays Capital Aggregate and 25% Short Duration Fixed Income Benchmark - Surplus. From August 2013 to March 2014, the Total Fixed Income Benchmark - Surplus consisted of 66.67% Barclays Capital Aggregate and 33.33% Short Duration Fixed Income Benchmark - Surplus. During July 2013, the Total Fixed Income Benchmark - Surplus consisted of 64.52% Barclays Capital Aggregate and 34.43% Short Duration Fixed Income Benchmark - Surplus. From May 2013 to June 2013, the Total Fixed Income Benchmark - Surplus consisted of 64.52% Barclays Capital Aggregate and 35.48% Short Duration Fixed Income Benchmark - Surplus. From November 2012 to April 2013, the Total Fixed Income Benchmark - Surplus consisted of 57.14% Barclays Capital Aggregate and 42.86% Short Duration Fixed Income Benchmark - Surplus. From January 2007 to October 2012, the Total Fixed Income Benchmark - Surplus consisted of 40% Barclays Capital Aggregate and 60% Short Duration Fixed Income Benchmark - Surplus. From April 1991 to December 2006, the Total Fixed Income Benchmark - Surplus consisted of 100% Short Duration Fixed Income Benchmark - Surplus.

Short Duration Fixed Income Benchmark - Surplus

Beginning in November 2012, the Short Duration Fixed Income Benchmark - Surplus consists of 100% Barclays Capital 1-3 Year Gov't/Credit. From January 2007 to October 2012, the Short Duration Fixed Income Benchmark - Surplus consisted of 66.67% Barclays Capital Intermediate Aggregate and 33.33% Barclays Capital Gov't 1-3 Year. From May 2001 to December 2006, the Short Duration Fixed Income Benchmark - Surplus consisted of 84.69% Barclays Capital Intermediate Aggregate and 15.31% Barclays Capital Gov't 1-3 Year. From April 1991 to April 2001, the Short Duration Fixed Income Benchmark - Surplus consisted of 100% Barclays Capital Gov't 1-3 Year.

Total Alternatives Benchmark - Surplus

Beginning April 2014 the Total Alternatives Benchmark - Surplus consists of 75% HFRI Fund of Funds Composite Index and 25% NCREIF Property Index. From May 2013 to March 2014, the Total Alternatives Benchmark - Surplus consisted of 100% HFRI Fund of Funds Composite Index.



Benchmark Descriptions

As of June 30, 2019

Cash Balance Plan

Cash Balance Plan Total Benchmark

Beginning July 2017, the Cash Balance Plan Total Benchmark consists of 50% Total Equity Benchmark, 30% Total Fixed Income Benchmark, and 20% Alternatives Benchmark. From January 2013 to June 2017, the Cash Balance Plan Total Benchmark consisted of 50% Total Equity Benchmark, 35% Total Fixed Income Benchmark, and 15% Alternatives Benchmark. From November 2012 to December 2012, the Cash Balance Plan Total Benchmark consisted of 50% Total Equity Benchmark, 45% Total Fixed Income Benchmark, and 5% Alternatives Benchmark. From October 1990 to October 2012, the Cash Balance Plan Total Benchmark consisted of 60% Russell 1000 Value Index and 40% Barclays Capital Aggregate.

Cash Balance Plan Total X Privates Benchmark

Beginning July 2017, the Cash Balance Plan Total Benchmark X Privates consists of 33.68% Domestic Equity Benchmark, 18.95% MSCI AC World ex USA Net, 26.31% Barclays Capital Aggregate, 5.27% Short Duration Fixed Income Benchmark, and 15.79% HFRI FOF Composite. From January 2013 to June 2017, the Cash Balance Plan Total Benchmark X Privates consisted of 33.68% Domestic Equity Benchmark, 18.95% MSCI AC World ex USA Net, 26.31% Barclays Capital Aggregate, 10.53% Short Duration Fixed Income Benchmark, and 10.53% HFRI FOF Composite. From November 2012 to December 2012, the Cash Balance Plan Total Benchmark X Privates consisted of 50% Total Equity Benchmark, 45% Total Fixed Income Benchmark, and 5% HFRI FOF Composite. From October 1990 to October 2012, the Cash Balance Plan Total Benchmark X Privates consisted of 60% Russell 1000 Value Index and 40% Barclays Capital Aggregate.

Pre-Pavilion Cash Balance Plan Total Benchmark

Beginning October 1990, the Cash Balance Plan Total Benchmark consists of 60% Russell 1000 Value Index and 40% Barclays Capital Aggregate.

Total Equity Benchmark

Beginning November 2012, the Total Equity Benchmark consists of 54% Large Cap Equity Benchmark, 10% Small Cap Equity Benchmark, and 36% MSCI AC World ex USA (Net). From October 1990 to October 2012, the Total Equity Benchmark consisted of 100% Large Cap Equity Benchmark.

Domestic Equity Benchmark

Beginning November 2012, the Domestic Equity Benchmark consists of 84.38% Large Cap Equity Benchmark and 15.62% Small Cap Equity Benchmark. From October 1990 to October 2012, the Domestic Equity Benchmark consisted of 100% Large Cap Equity Benchmark.

Large Cap Equity Benchmark

Beginning November 2012, the Large Cap Equity Benchmark consists of 25% Russell 1000 Value Index, 25% Russell 1000 Growth Index, and 50% S&P 500 Index. From October 1990 to October 2012, the Large Cap Equity Benchmark consisted of 100% Russell 1000 Value Index.

Small Cap Equity Benchmark

Beginning November 2012, the Small Cap Equity Benchmark consists of 50% Russell 2000 Growth Index and 50% Russell 2000 Value Index.

Total Fixed Income Benchmark

Beginning July 2017, the Total Fixed Income Benchmark consists of 83.3333% Barclays Capital Aggregate and 16.6667% Short Duration Fixed Income Benchmark. From January 2013 to June 2017, the Total Fixed Income Benchmark consisted of 71.43% Barclays Capital Aggregate and 28.57% Short Duration Fixed Income Benchmark. From November 2012 to December 2012, the Total Fixed Income Benchmark consists of 55.56% Barclays Capital Aggregate and 44.44% Short Duration Fixed Income Benchmark. From October 1990 to October 2012, the Total Fixed Income Benchmark consisted of 100% Barclays Aggregate.

Short Duration Fixed Income Benchmark

Beginning November 2012, the Short Duration Fixed Income Benchmark consists of 100% Barclays Capital 1-3 Year Gov't/Credit. From October 1990 to October 2012, the Short Duration Fixed Income Benchmark



Benchmark Descriptions

As of June 30, 2019

consisted of 100% 90 Day U.S. Treasury Bills.

Total Alternatives Benchmark

Beginning January 2013, the Alternatives Benchmark consists of 66.67% HFRI Fund of Funds Composite Index and 33.33% NCREIF Property Index. From November 2012 to December 2012, the Alternatives Benchmark consisted of 100% HFRI Fund of Funds Composite Index.



Glossary of Terms for Scorecard

Key Performance Indicator	Definition / Explanation
Investment Performance	
Surplus cash balance (millions)	
Surplus cash return	The Surplus Cash portfolio outperformed the benchmark for the quarter with a +2.9% return. The portfolio has outgained its benchmark by 10 bps per annum since inception (Nov. 1, 2012) with a return of +5.6% annualized. The assets within the Surplus Cash account excluding debt reserves, balance sheet cash and District assets, but including Foundation and Concern assets ended the quarter at \$1,028.7 million, significantly higher than the beginning of the quarter. The adjusted fiscal year 2019 Surplus Cash projected balance at fiscal year end 2019 was \$892.9 million.
Cash balance plan balance (millions)	The Cash Balance Plan's performance outpaced its benchmark by 10 bps for the quarter with a return of +3.1%, and has outperformed its benchmark since inception. The since inception annualized return stands at +7.8%, 80 basis points ahead of its benchmark per year. The assets within the Cash Balance Plan ended the quarter at \$277.6 million. The estimated expected amount for fiscal year 2019 is \$276.9 million.
Cash balance plan return	The 403(b) balance grew significantly during the quarter and now stands at \$514.1 million, an increase of \$17.3 million or 3.5% from the March 31, 2019 value.
403(b) plan balance (millions)	
Risk vs. Return	
Surplus cash 3-year Sharpe ratio	The Sharpe ratio is the excess return of an investment over the risk free rate (US Treasuries) generated per unit of risk (standard deviation) taken to obtain that return. The higher
3-year return	the value, the better the risk-adjusted return. It is important to view returns in this context because it takes into account the risk associated with a particular return rather than simply focusing on the absolute level of return.
3-year standard deviation	Sharpe ratio = (actual return - risk free rate) / standard deviation
Cash balance 3-year Sharpe ratio 3-year return	The Surplus Cash portfolio's 3-year Sharpe ratio was above that of its benchmark and significantly higher than the expected Sharpe ratio modeled. This was due primarily to muted volatility over the period in comparison to what was modeled. The Cash Balance Plan's 3-year Sharpe ratio significantly exceeded modeling expectations and was above its
3-year standard deviation	benchmark as well. Both accounts have demonstrated strong risk-adjusted returns since inception.
Asset Allocation	
Surplus cash absolute variances to targe	t This represents the sum of the absolute differences between the portfolio's allocations to various asset classes and the target benchmark's allocations to those asset classes. The higher the number, the greater the portfolio's allocations deviate from the target benchmark's allocations, indicating a higher possibility for the portfolio's risk and return characteristics to differ from the Board's expectations.
Cash balance absolute variances to targe	et The threshold for an alert "yellow" status is set at 10% and the threshold for more severe "red" status is set at 20%. Both portfolios are below the 10% threshold.
Manager Compliance	
Surplus cash manager flags	This section represents how individual investment managers have fared and draws attention to elevated concerns regarding performance and risk-adjusted performance all at the individual manager level. The number of flags are aggregated and a percentage of the total is used to highlight an alert "yellow" status (40% of the flags) and a more severe "red" status (50%). In total there are 60 potential flags for the Surplus Cash account and 68 for the Cash Balance Plan.
Cash balance plan manager flags	Currently, both the Surplus Cash Portfolio and the Cash Balance Plan are in the "green" status.



Hedge Fund Strategy Definitions

The **Equity Strategy** is comprised of Equity Long/Short strategies. Equity hedge strategies typically have a directional bias (long or short) and trade in equities and equity-related derivatives. Managers seek to buy undervalued equities with improving fundamentals and short overvalued equities with deteriorating fundamentals.

Trade Example: Long a basket of energy stocks and short a basket of consumer electronics stocks.

The **Credit Strategy** is comprised of Distressed Securities, Credit Long/Short, Emerging Market Debt and Credit Event Driven. Credit strategies typically have a directional bias and involve the purchase of various types of debt, equity, trade claims and fixed income securities. Hedging using various instruments such as Credit Default swaps is frequently employed.

Trade Example: Buying the distressed bonds of a company which has defaulted and participating in the corporate restructuring.

The Macro Strategy consists of Global Macro, Managed Futures, Commodities and Currencies. Macro strategies usually have a directional bias (which can be either long or short) and involve the purchase of a variety of securities and/or derivatives related to major markets. Managed futures strategies trade similar instruments but are typically implemented by computerized systems.

Trade Example: Long the US Dollar and short the Japanese Yen.

The **Relative Value Strategy** typically does not display a distinct directional bias. Relative Value encompasses a range of strategies covering different asset classes. Arbitrage strategies focus on capturing movements or anomalies in the price spreads between related or similar instruments. The rationale for Arbitrage trades is the ultimate convergence of the market price relationship to a known, theoretical or equilibrium relationship.

Trade Example: Long the stock of a merger bid target and short the stock of the acquirer.



Statistical Definitions

Risk Statistics

Statistics	Definition
Alpha	- A measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. is a measure of the portfolio's historical performance not explained by movements of the market, or a portfolio's non-systematic return.
Best Quarter	- The best of rolling 3 months(or 1 quarter) cumulative return.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of a portfolio's non-diversifiable or systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. The higher the consistency figure, the more value a manager has contributed to the product's performance.
Downside Risk	- A measure similar to standard deviation, but focuses only on the negative movements of the return series. It is calculated by taking the standard deviation of the negative set of returns. The higher the factor, the riskier the product.
Excess Return	- Arithmetic difference between the managers return and the risk-free return over a specified time period.
Information Ratio	- Measured by dividing the active rate of return by the tracking error. The higher the Information Ratio, the more value-added contribution by the manager.
Maximum Drawdown	- The drawdown is defined as the percent retrenchment from a fund's peak value to the fund's valley value. It is in effect from the time the fund's retrenchment begins until a new fund high is reached. The maximum drawdown encompasses both the period from the fund's peak to the fund's valley (length), and the time from the fund's valley to a new fund high (recovery). It measures the largest percentage drawdown that has occurred in any fund's data record.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is the absolute rate of return per unit of risk. The higher the value, the better the product's historical risk-adjusted performance.
Sortino Ratio	- A ratio developed by Frank A. Sortino to differentiate between good and bad volatility in the Sharpe ratio. This differentiation of upwards and downwards volatility allows the calculation to provide a risk-adjusted measure of a security or fund's performance without penalizing it for upward price changes.
Standard Deviation	- A statistical measure of the range of a portfolio's performance, the variability of a return around its average return over a specified time period.
Tracking Error	- A measure of the standard deviation of a portfolio's performance relative to the performance of an appropriate market benchmark.
Worst Quarter	- The worst of rolling 3 months(or 1 quarter) cumulative return.



Performance Report Update



UPCOMING PERFORMANCE REPORT ENHANCEMENTS

As we unify reporting across the combined Mercer-Pavilion-Summit entity, we have created a "best ideas" performance report—including key data points and performance drivers in a clear and concise format—that we expect to roll out with the Q3 reporting cycle. Key benefits of the new design include:

- · Consistent layout and informational content across plan types and asset classes
- Thoughtful design, leveraging the capabilities of the performance platform
- · A more powerful and targeted presentation that emphasizes key metrics, including:
 - Total plan components consolidated into a one-page summary
 - Comprehensive one-page, performance and risk report, providing current and historical perspective
 - Characteristic pages redesigned to provide a thorough yet succinct review of holdings data

We believe these changes enhance the usability and content of your performance report. We look forward to hearing your feedback as we continue to work towards providing the highest quality deliverables to support your performance reporting requirements.

Thank You!





Custom Peer Group Universe

Description

- Custom Non US Diversified All: The Custom Non US Diversified All universe is a custom universe that includes the eVestment Alliance Non-US Diversified Equity universe excluding all strategies included in the eVestment Alliance Non-US Diversified Small Cap Equity universe. The eVestment Alliance Non-US Diversified Equity universe is made up of all Non-US Diversified (EAFE and ACWI ex-US) Equity products inclusive of all style, capitalization, and strategy approaches. The eVestment Alliance Non-US Diversified Small Cap Equity universe consists of actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in small capitalization stocks regardless of the style (growth, value or core) focus.
- Custom Non US Diversified Core: The Custom Non US Diversified Core universe is a custom universe that includes the eVestment Alliance Non-US Diversified Core Equity universe excluding all strategies included in the eVestment Alliance Non-US Diversified Small Cap Equity universe. The eVestment Alliance Non-US Diversified Core Equity universe is made up of all actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in a mixture of growth and value stocks. This universe is inclusive of Non-US Diversified Equity strategies regardless of market capitalization. The eVestment Alliance Non-US Diversified Small Cap Equity universe consists of actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in small capitalization stocks regardless of the style (growth, value or core) focus.
- Custom Non US Diversified Growth: The Custom Non US Diversified Growth universe is a custom universe that includes the eVestment Alliance Non-US Diversified Growth Equity universe excluding all strategies included in the eVestment Alliance Non-US Diversified Small Cap Equity universe. The eVestment Alliance Non-US Diversified Growth Equity universe is made up of all actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in stocks that are expected to have an above-average capital appreciation rate relative to the market. This universe is inclusive of Non-US Diversified Equity strategies regardless of market capitalization. The eVestment Alliance Non-US Diversified Small Cap Equity universe consists of actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in small capitalization stocks regardless of the style (growth, value or core) focus.
- Custom Non US Diversified Value: The Custom Non US Diversified Value universe is a custom universe that includes the eVestment Alliance Non-US Diversified Small Cap Equity universe. The eVestment Alliance Non-US Diversified Small Cap Equity universe. The eVestment Alliance Non-US Diversified Value Equity universe is made up of all actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in stocks that may be trading at lower prices lower than their fundamental or intrinsic value. This universe is inclusive of Non-US Diversified Equity strategies regardless of market capitalization. The eVestment Alliance Non-US Diversified Small Cap Equity universe consists of actively-managed Non-US Diversified (EAFE and ACWI ex-US) Equity products that primarily invest in small capitalization stocks regardless of the style (growth, value or core) focus.



Disclosures

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Performance returns for period longer than one year are annualized. Returns are shown net of investment manager fees assessed by third party managers or funds, as applicable, unless otherwise denoted and generally include the effect of all cash flows (e.g., earnings, distributions). In addition, accounts may incur other transactions costs such as brokerage commissions, custodial costs and other expenses which are not denoted in this report and may not be reflected in the performance returns. Mutual fund returns assume reinvestment of all distributions at net asset value (NAV) and deduction of fund expenses. Report totals may not sum due to rounding. It is important to note that performance results do not reflect the deduction of any investment advisory fees you pay to Mercer, therefore, performance results would be reduced by these investment advisory fees. Note, however, certain client reports may reflect the deduction of Mercer's investment advisory fee. Information about Mercer's investment advisory fees is available in the firm's Form ADV Part 2A, available upon request.

Generally, the client inception period represents the first full month of performance of the account. Any returns shown prior to the client inception period are obtained directly from the manager or based upon the performance of the investment product. Performance data prior to the consulting relationship with Mercer may be sourced from prior consultant(s), if applicable.

When administrator valuations for the last month of the reported period are not available prior to report production, Mercer may derive market values and performance based on manager provided estimates for that investment product. Alternatively, Mercer may use carry forward market values from the prior month. Performance and market values are updated if/when the statement is received from the manager/administrator and may be different than the values in the initial report. Performance and market value estimates are denoted with [CE] (current estimate). Private equity holding results typically lag by 45 to 180 days after the report period end due to statement availability, therefore may not be included in the report.



Disclosures

In the course of Mercer's performance reconciliation process, Mercer may uncover significant pricing differences between your investment managers and the values of the custodian on a security by security basis and may adjust the custodian valuation, if the manager's price is closer to a third party pricing source (FactSet, Bloomberg, Bondedge). If a third party price is unavailable, Mercer uses the more conservative price. For other identified valuation errors, Mercer alerts the custodian about any issues and will report as representative a market value for the portfolio as possible. You should carefully review your custodial statements or other statement(s) of record from the manager and report any discrepancies to your qualified custodian or applicable manager.

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ESG OVERVIEW

EL CAMINO HOSPITAL

August 12, 2019



AGENDA



Why is interest in ESG increasing?

- How will the future be different from the past
- The case for ESG integration

How are investors approaching ESG?

- Implementation approaches
- Mercer ESG Ratings

Developing a Sustainable Investment Policy

Mercer RI Pathway

Appendix

- Principles for Responsible Investment (PRI)
- FSB TCFD Recommendations
- Responsible Investment at Mercer

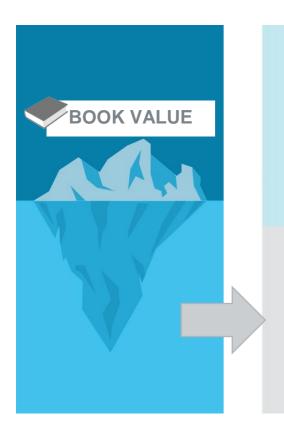




A BROADER PERSPECTIVE - AN ABILITY TO SUSTAIN

What is missing from current finance / investment processes? How might the future be different to the past?





WHAT IS ESG?

ESG issues which can be considered include:



ENVIRONMENTAL CONCERNS

- · Climate Change
- Energy Efficiency
- · Waste & Pollution
- · Water & Resource Scarcity



SOCIAL

- · Health & Safety
- · Stakeholder Concerns
 - Demographics
 - · Labour & Supply



CORPORATE GOVERNANCE CONCERNS

- Audit Quality
- · Board Structure
- Remuneration
- Shareholder Rights

CONCERNS ABOUT ENVIRONMENTAL RISKS HAVE INCREASED

Top 5 Global Risks in terms of likelihood Economic Environmental Geopolitical Technological											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Asset price collapse	Asset price collapse	Storms and cyclones	Income disparity	Income disparity	Income disparity	Interstate conflict	Involuntary migration	Extreme weather	Extreme weather	Extreme weather
2	Slowing Chinese economy	Slowing Chinese economy	Flooding	Fiscal imbalances	Fiscal imbalances	Extreme weather	Extreme weather	Extreme weather	Involuntary migration	Natural catastrophes	Climate change mitigation and adaption failure
3	Chronic disease	Chronic disease	Corruption	Greenhouse gas emissions	Greenhouse gas emissions	Unemployment/ under- employment	National governance failures	Weak climate change response	Natural catastrophe	Cyberattacks	Natural catastrophes
4	Global governance gaps	Fiscal cries	Biodiversity loss	Cyber attacks	Water supply crises	Climate change	State collapse	Interstate conflict	Terrorist attack	Data fraud	Data fraud
5	Retrenchment from globalisation	Global governance gaps	Climate change	Water supply crises	Aging population	Cyberattacks	High unemployment	Natural catastrophes	Data fraud	Climate change adaption failure	Cyberattacks
Тор	Top 5 Global Risks in terms of impact										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Asset price collapse	Asset price collapse	Fiscal crises	Systematic financial failure	Systematic financial failure	Fiscal crises	Water crises	Weak climate change response	WMDs	WMDs	WMDs
2	Retrenchment from globalisation	Retrenchment from globalisation	Climate change	Water supply crises	Water supply crises	Climate change	Infectious diseases	WMDs	Extreme weather	Extreme weather	Climate change mitigation and adaption failure
3	Oil and gas price spike	Oil price spike	Geopolitical conflict	Food crises	Fiscal imbalances	Water crises	WMDs	Water crises	Natural catastrophes	Natural catastrophes	Extreme weather
4	Chronic disease	Chronic disease	Asset price collapse	Fiscal imbalances	WMDs	Unemployment/ under- employment	Interstate conflict	Involuntary migration	Water crises	Climate change adaption failure	Water crises
5	Fiscal crises	Fiscal crises	Extreme energy price volatility	Volatility in energy and agri- cultural prices	Weak climate change response	Critical ICT systems breakdown	Weak climate change response	Energy price shock	Weak climate change response	Water crises	Natural catastrophes

For each of the 30 global risks covered in the survey, respondents were asked to assess (1) the likelihood of the risk occurring globally within the next 10 years, and (2) its negative impact for several countries or industries over the same timeframe.

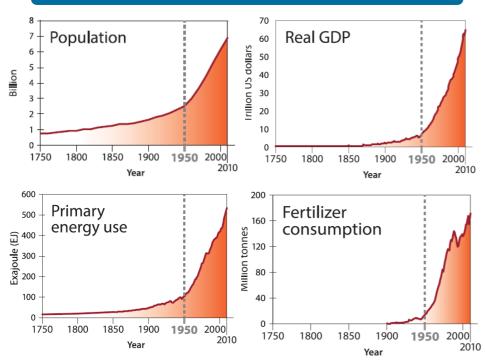
THE GREAT ACCELERATION UNDERSTANDING HOW THE WORLD IS CHANGING

Population + Consumption

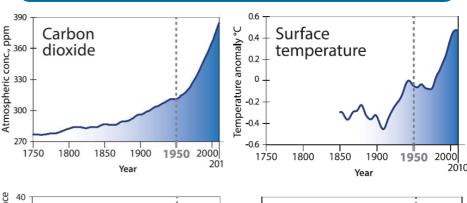
Fossil Fuel Energy - Industrialisation - Deforestation - Agriculture - Construction

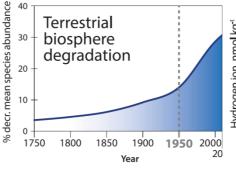


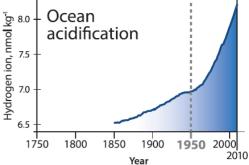




Earth system trends (1750 – 2010)







Source: Steffen et al (2015)

2015 - A TIPPING POINT

GOVERNMENTS ADOPT SDGS & PARIS ACCORD

"The challenges currently posed by climate change pale in significance compared with what might come The more we invest with foresight; the less we will regret in hindsight."

Mark Carney, Governor of the Bank of England

The UN-backed 'Sustainable Development Goals' (SDGs) are:

"A set of goals to end poverty, protect the planet, and ensure prosperity for all" The UN's Paris Climate Accord – 'the Paris Agreement' is a landmark commitment to: "Keep a global temperature rise to well below 2°C this century"





































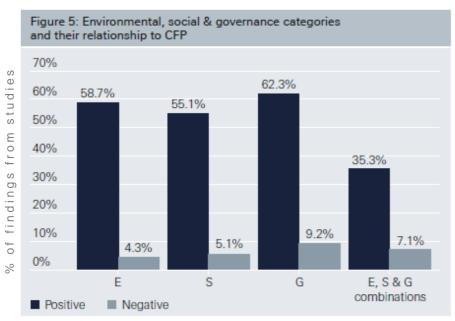


THE CASE FOR ESG INTEGRATION POTENTIAL TO IMPROVE FINANCIAL RETURNS



Consensus Building





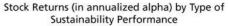
Source: Friede, Busch, Bassen (December 2015)

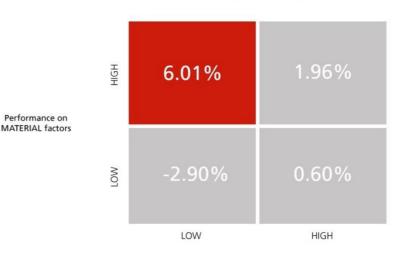
Research base favors a positive connection between ESG and corporate financial performance

Source: Deutsche Asset Management/University of Hamburg; ESG & Corporate Financial Performance: Mapping the Global Landscape; 2015. Since the early 1970s, around 2,250 academic studies have been published on the link between ESG and CFP 70%. This study examines the entire universe of ESG-CFP academic review studies that have been published since 1970. The analysis is based on the aggregation of the findings and data of 60 review studies.

Materiality Matters







Performance on IMMATERIAL factors

Firms with good performance on material sustainability issues enjoy the strongest financial returns.

Source: Working Paper by Mozaffar Khan, George Serafeim, and Aaron Yoon, Harvard Business School (2015). The table reports alphas, factor loadings, and t-statistics from monthly calendar-time Fama-French regressions for value-weighted portfolios. The regressions are estimated over the 249 months from April 1993 to December 2013. Universe of U.S. stocks derived from MSCI KLD data.

DISCLOSURE STANDARDS / REQUIREMENTS

Voluntary Disclosure Initiatives





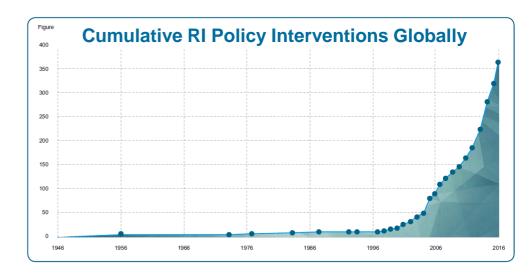












"In the largest 50 economies in the world...almost 300 policy instruments support investors to consider long-term value drivers, including ESG factors. Over half...were created between 2013 and 2016."

Growing Emphasis on ESG Transparency and Disclosure

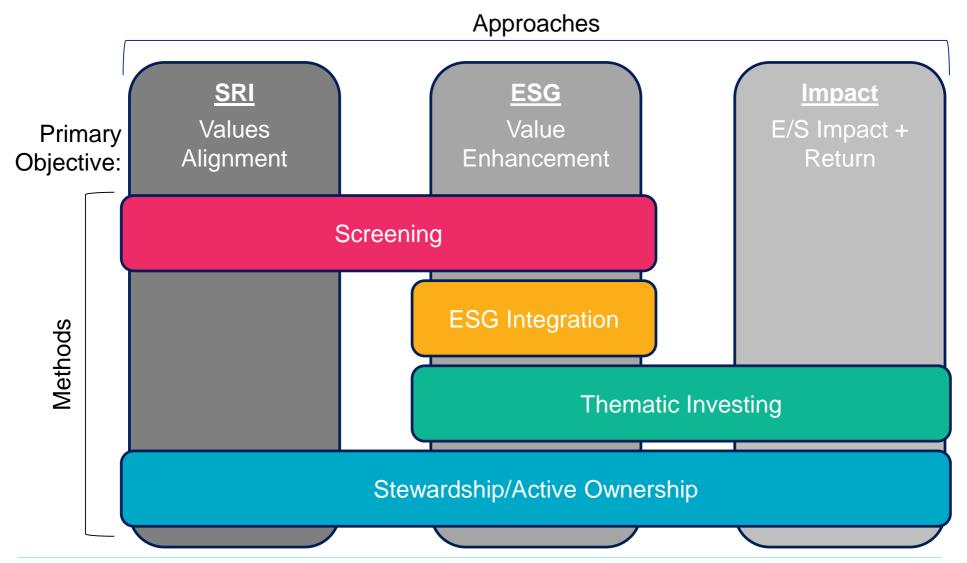
Increasing Regulatory Focus

Source: UNPRI; Global guide to responsible investment regulation; 2016; http://bit.ly/2gY8tBw

HOW



RESPONSIBLE INVESTMENT APPROACHES AND METHODS



DIMENSIONS OF A SUSTAINABLE PORTFOLIO FOUR STRATEGIES FOR IMPLEMENTATION

Integration

Include ESG factors in investment analysis/decisions to assess materiality



AIM:
Financial objectives
+ risk management
improvement

Stewardship

Actively engage with companies failing to address ESG risks through voting and engagement



AIM:
Financial objectives
+ financial system
improvement

Investment

Allocate to sustain. themes/impact investments, e.g. renewable energy, water, social housing



AIM:
Financial objectives
+ positive social and
environmental impact

Screening

Screen out controversial companies based on investment evidence / risk criteria



AIM:
Align with values/
reputation/risk
management or longer
term financial expectations

For more detail see: https://www.mercer.ca/content/dam/mercer/attachments/north-america/canada/ca-2019-the-abc-of-esg-environmental-social-governance.pdf

EL CAMINO HOSPITAL CURRENT POLICY SCREENING

- The Surplus Cash and Cash Balance Plan Investment Policy Statements include the following investment restrictions for separate account investment managers:
 - The purchase of the securities of companies described below is prohibited:
 - 1. Companies whose major product is tobacco (greater than 50% of company revenues.
 - 2. Companies who engage in the manufacture of firearms that are illegal for sale to or possession by civilians in the state of California.
 - In instances where companies that engage in the activities above are inadvertently purchased or held by an Investment Manager, the Investment Manager should divest of the security within 90 days of being made aware of the violation unless the Investment Manager receives a written exception from the Investment Committee.

MERCER'S ESG RATING SCALE

ESG ratings are presented on a scale from 1 (highest) to 4 (lowest) and assess how well managers integrate ESG factors into investment processes.

ACTIVE

ESG1

Leading approach to integration, where ESG is embedded in investment philosophy; strong on stewardship which is a core part of process.

ESG2

Consistent and repeatable process to ESG integration (focus on risk management); well-developed evidence of active ownership.

ESG3

Well-developed G integration; less consistency in E&S; stewardship process is ad hoc, but indications of progress.

ESG4

Little or no integration of ESG factors or stewardship into core processes and no indication of future change.

Ratings for passive strategies differentiate how well firms undertake their stewardship activities such as voting, engagement, industry collaboration and reporting.

ASSIVE

ESGp1

Leaders in V&E across ESG; stewardship activities and ESG initiatives undertaken consistently at a global level; clear link between engagement & voting actions

ESGp2

Strong approach to V&E across ESG topics, and initiatives at a regional level, with progress made at a global level; working towards clearer links between V & E

ESGp3

Focus of V&E tends to be on governance topics only, or more regionally focused with less evidence E&S (in voting & engagement, as well as other internal ESG initiatives)

ESGp4

Little or no initiatives taken on developing a global V&E capability, reactive engagements; and little progress made on other ESG initiatives

MERCER'S ESG RATING CRITERIA

ACTIVE (all asset classes)

IDEA GENERATION

- ESG factors integrated into active fund positions as a source of value added.
- Identification of material ESG factors skill of team members, data sourcing

PORTFOLIO CONSTRUCTION

• Efforts to integrate ESG driven views into the portfolio's construction.

IMPLEMENTATION

- Engagement and proxy voting activities (if applicable).
- Investment horizon align with ability to effectively implement ESG views?

BUSINESS MANAGEMENT

 Firm-level support for ESG integration, engagement activities and transparency.



PASSIVE (equities)

VOTING & ENGAGEMENT

- Policy, process and prioritisation.
- · Quality of engagements.



RESOURCES & IMPLEMENTATION

Data analysis to enhance active ownership.



ESG INTEGRATION

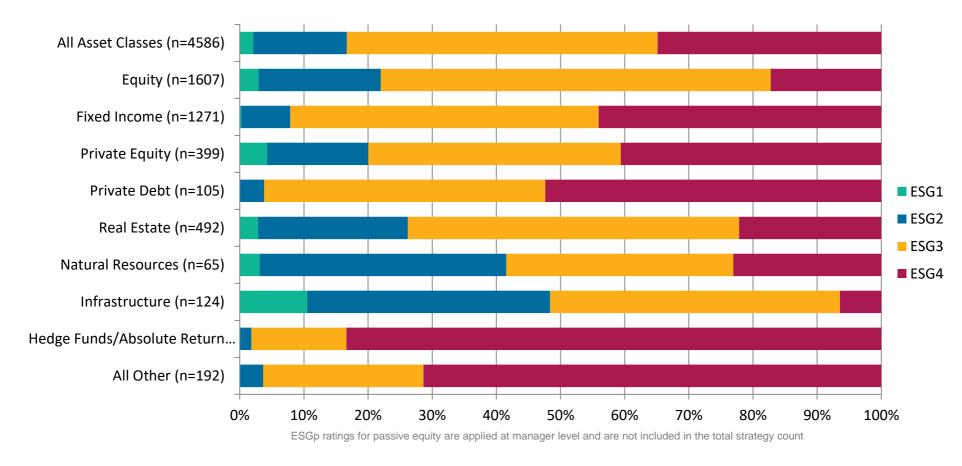
- · Skill set of resources.
- Effectiveness of engagement outcomes.



FIRMWIDE COMMITMENT

 Collaborative initiatives and engagement with regulators and policymakers.

MERCER ESG RATINGS RATINGS DISTRIBUTION BY ASSET CLASS



Over 4,500 strategies rated currently – ratings began in 2008



Less than 17% achieve an ESG1 or ESG2



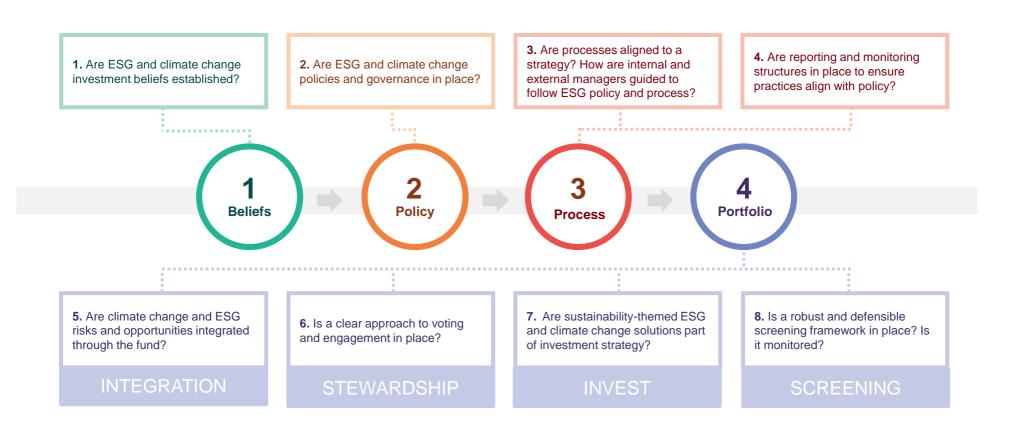
ESG ratings for passive equity introduced in 2014



DEVELOPING A SUSTAINABLE INVESTMENT POLICY



THE RESPONSIBLE INVESTMENT PATHWAY



MERCER'S PATHWAY TO RESPONSIBLE INVESTMENT THE MENU FOR ESG AND CLIMATE CHANGE INTEGRATION

1 Beliefs

- Board beliefs workshop and survey on ESG and climate change
- Trustee education on fiduciary duty, ESG and climate change, and implementation approaches

2 Policy

- Policy, position statements and governance frameworks on ESG and climate change
- Peer comparison of peer policy, public commitments and disclosures

3 Process

- ESG strategy, implementation and asset class guidelines
- Portfolio monitoring framework, benchmark reports and policy compliance
- ESG reporting to stakeholders
- Processes to implement ESG integration, stewardship, thematic investing and screening, as required
- Collaborative engagement with industry associations

4 Portfolio

ESG Integration

- Manager selection and monitoring with ESG ratings
- Climate change analytics, including scenario analysis and carbon footprinting

Stewardship

- Stewardship review
- Voting and engagement and reporting

Thematic Investing

 Sustainability allocation, SDG* and TCFD* alignment, impact investing

Screening

- Exposure analysis, including both ESG highly rated and sensitive investments
- Exclusion decisionmaking, governance and compliance monitoring

* **SDG** — Sustainable Development Goals

* TCFD — Taskforce on Climate-related Financial Disclosures

STATEMENT OF INVESTMENT POLICIES AND PROCEDURES SAMPLE WORDING

ESG, Stewardship, and Climate Change

The Company believes that environmental, social and governance ("ESG") issues may have a material impact on investment risk and return outcomes, and that effective stewardship (exercised through voting and engagement) can create and preserve value for companies and markets as a whole. The Company also recognizes that long-term sustainability issues, particularly climate change, present risks and opportunities that increasingly may require explicit consideration.

The Company has given appointed Investment Managers full discretion in evaluating ESG factors, including climate change considerations, and exercising voting rights and stewardship obligations attached to the investments, in accordance with their own policies and procedures.

The Company considers how ESG, stewardship and climate change is integrated within investment processes in appointing new Investment Managers and monitors the existing Investment Managers at least annually.

BELIEFS TO IMPLEMENTATION MONITORING SUGGESTIONS

Belief statement	Implication for investment monitoring and strategy
Environmental, social and governance ("ESG") issues may have a material impact on investment risk and return outcomes.	 The Company will for example: Arrange education sessions on ESG for committee members / staff. Assess the appointed manager strategies for their approach to ESG integration, using Mercer's ESG ratings, on an annual basis and review the ESG rating against the MercerInsight universe when appointing new manager strategies (could commit to guidelines such as aiming for ESG3 or above).
Effective stewardship (exercised through voting and engagement) can create and preserve value for companies and markets as a whole.	The Company will for example: • Assess the appointed listed equity manager strategies for their approach to stewardship principles and seek reporting from managers on voting and engagement activity on an annual basis.
Long-term sustainability issues, particularly climate change, present risks and opportunities that increasingly may require explicit consideration.	 The Company will for example: Consider climate change in manager selection and strategy decisions. Undertake scenario analysis at a portfolio level at least every 3 years to test potential return impacts under different climate scenarios. Undertake carbon footprinting for equities annually.

¹ https://ccgg.ca https://ccgg.ca/download/4066

POTENTIAL NEXT STEPS



POTENTIAL NEXT STEPS

IDENTIFY

ASSESS

MANAGE

MONITOR

- Develop investment beliefs related to ESG and long-term sustainability issues
- Assess current managers on:
 - ESG approaches and practices (e.g. Mercer ESG ratings assessment)
 - Stewardship policies, approaches and voting practices (i.e. stewardship review)
- Conduct top-down and bottom-up risk / exposure assessments (e.g. climate change scenario analysis, fund level ESG assessment)
- Develop sustainable investment strategy (ESG policy); e.g.
 - Identify priority focus areas (e.g. climate change, corporate governance, diversity)
 - Establish objectives or targets
 - Assess implementation options
 - Implementation and monitoring

INTEGRATION

STEWARDSHIP

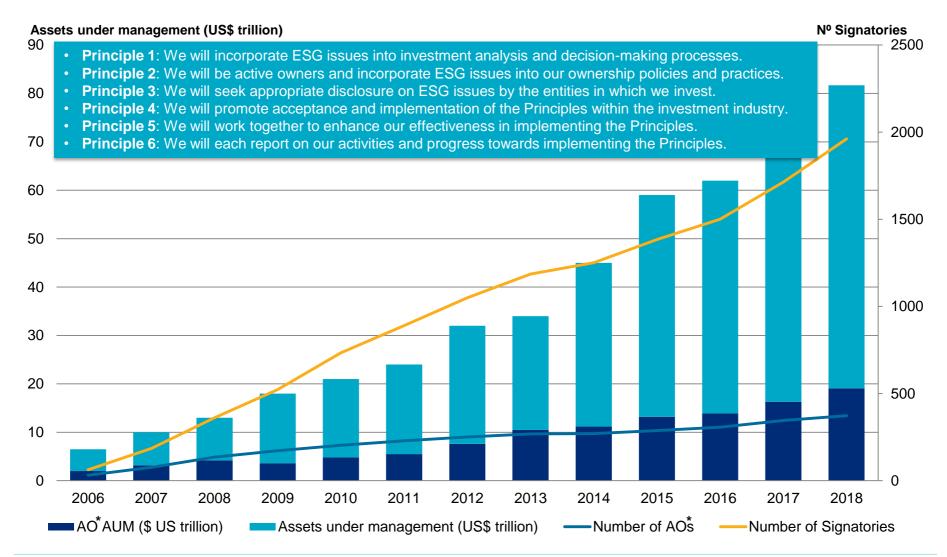
INVESTMENT

SCREENING

APPENDIX



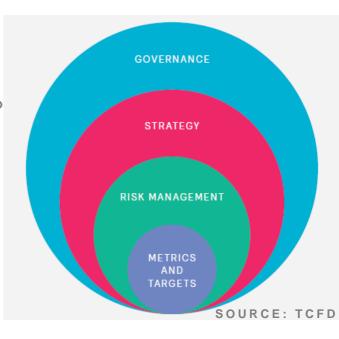
UN PRINCIPLES FOR RESPONSIBLE INVESTMENT (PRI) SIGNATORIES



CLIMATE-RELATED DISCLOSURE ASSET OWNER RECOMMENDATIONS



- Recommendations apply to companies, asset managers and asset owners and are focused on managing risks and identifying opportunities.
 - Asset owner disclosures should be included in annual beneficiary reporting.
- We encourage our asset owner clients to consider the following questions in order to prepare:
 - Governance: Who has oversight of climate-related risks and disclosures (board / management)? Is this documented?
 - Strategy: Have you considered climate related risks and opportunities for inv. strategy? Different climate scenarios?
 - Risk Management: Have you established risk assessment and reduction processes, including engagement with managers and low-carbon allocations?
 - Metrics & Targets: Have you assessed your portfolio carbon emissions (carbon footprinting) and considered targets for improvements?



Note, for Principles of Responsible Investment (PRI) signatories, TCFD disclosure is now incorporated into reporting framework.

RESPONSIBLE INVESTMENT AT MERCER

2007-2010

strategies

Launches ESG ratings

Publishes many ESG

materiality and

platform for investment



2011-2013

- Climate Change and Strategic Asset Allocation report
- MMC launches Climate Change Task Force managed by Mercer
- Sustainable Opportunities private markets solution launched

•Investment beliefs formalized

2014-2015

- •Sustainable Growth Framework
- Investing in a Time of Climate Change report released 2015
- •ESG ratings for passive equity managers and ratings reach over 4,000 strategies
- Sustainable Investment Policies established for Mercer's Delegated Solutions

2016-2019

- Sustainable Global Equity Fund launched and second Sustainable Opportunities closes
- Mercer represented on FSB Task Force on Climate-related Financial Disclosures (TCFD)
- Investment beliefs updated - strengthened
- Investing in a Time of Climate Change – The Sequel 2019
- •Mercer RI PATHWAY 2019



#1 SUSTAINABILITY CONSULTANT GLOBALLY 2019



- •RI consulting practices developed and new team formed
- Mercer advises UN on PRI development









MERCER'S INVESTMENT BELIEFS

At Mercer we have classified our beliefs according to the five areas shown in the diagram since 2014. The sustainability beliefs were recently, formally updated in 2017 as follows:

We believe a sustainable investment approach is more likely to create and preserve long-term investment capital and more specifically that:

- 1. Environmental, Social and Corporate Governance (ESG) issues can have a material impact on long-term risk and return outcomes and these issues should be integrated into the investment process.
- 2. Taking a broader longer-term perspective on risk, including identifying sustainability themes and trends, is likely to lead to improved risk management and new investment opportunities.
- 3. Climate change poses a systemic risk and investors should consider the potential financial impacts of both the associated transition to a low-carbon economy and the physical impacts of different climate outcomes.
- 4. Stewardship helps the realisation of long-term shareholder value by providing investors with an opportunity to enhance the value of companies and markets.

A full copy of Mercer's Investment Beliefs is available online or can be provided.



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The value of your investments can go down as well as up, and you may not get back the amount you have invested. Investments denominated in a foreign currency will fluctuate with the value of the currency. Certain investments, such as securities issued by small capitalization, foreign and emerging market issuers, real property, and illiquid, leveraged or high-yield funds, carry additional risks that should be considered before choosing an investment manager or making an investment decision.

IMPORTANT NOTICES (CONT'D)

For Mercer's conflict of interest disclosures, contact your Mercer representative or see http://www.mercer.com/conflictsofinterest.

In November, 2018, Mercer Investments acquired Summit Strategies Group, Inc. ("Summit"), and effective March 29, 2019, Mercer Investment Consulting LLC ("MIC"), Pavilion Advisory Group, Inc. ("PAG"), and Pavilion Alternatives Group LLC ("PALTS") combined with Mercer Investments. Certain historical information contained herein may reflect the experiences of MIC, PAG, PALTS, or Summit operating as separate entities. Mercer Investments is a federally registered investment adviser under the Investment Advisers Act of 1940, as amended. Registration as an investment adviser does not imply a certain level of skill or training. The oral and written communications of an adviser provide you with information about which you determine to hire or retain an adviser. Mercer Investments' Form ADV Part 2A & 2B can be obtained by written request directed to: Compliance Department, Mercer Investments, 99 High Street, Boston, MA 02110.



EL CAMINO HOSPITAL

INVESTMENT PROGRAM
PERFORMANCE ANALYSIS

AUGUST 12, 2019



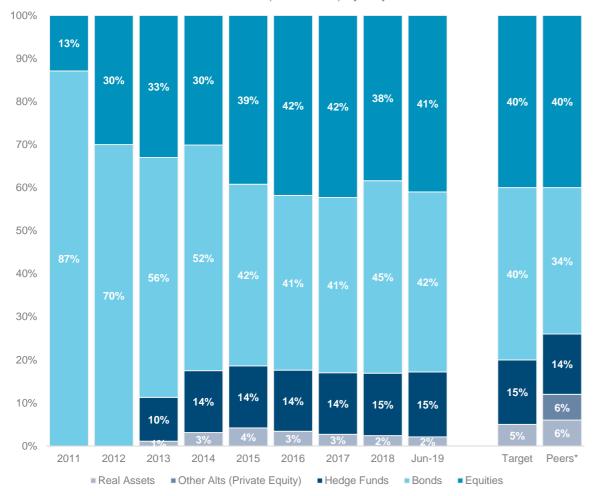


INVESTMENT PROGRAM BACKGROUND

- Surplus Cash Investment Policy summary: "be prudently invested with a focus on preserving the liquidity and principal necessary to meet known and reasonably unforeseen operational and capital needs. Funds will be invested in a diversified portfolio that balances the need for liquidity with a long-term investment focus in order to improve investment returns and the organization's financial strength."
- Surplus Cash primary objectives: "(1) preservation of capital, (2) capital growth, (3), maintenance of liquidity, and (4) avoidance of inappropriate concentration of investments."
 - Starting in mid-October 2012, Pavilion introduced new asset classes and sub-categories to help manage total program risk, diversify equity exposures, and manage fixed income interest rate sensitivities.
 - Prior to these changes the portfolio consisted of two managers (Barrow Hanley and Wells Capital) that managed four separate strategies; U.S. Large-Cap Value Equity (~13%), Short-Duration Fixed Income (~25%), Intermediate-Duration Fixed Income (~42%), and Core Fixed Income (~20%).
- Cash Balance Plan Investment Policy summary: "to achieve the highest possible investment return, and the resulting positive impact on asset values, funded status, contributions and benefits, without exceeding a prudent level of risk."
- Cash Balance Plan primary objectives: "(1) the preservation of capital in real terms with a focus on meeting future benefit payments, (2) obtaining the maximum return within reasonable and acceptable level of risk."
 - Starting in mid-October 2012, Pavilion introduced new asset classes and sub-categories to help manage total program risk, diversify equity exposures, and manage fixed income interest rate sensitivities.
 - Prior to these changes the portfolio consisted of one manager (Dodge & Cox) that managed two separate strategies; U.S. Large-Cap Value Equity (~62%) and Core Fixed Income (~33%). The remainder of the portfolio was invested in cash (~5%).

HISTORICAL ASSET ALLOCATION SURPLUS CASH EX DISTRICT



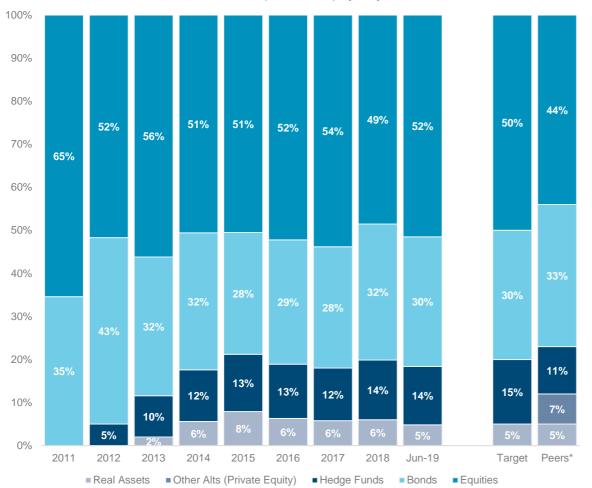


- El Camino Hospital began implementing Pavilion's recommended portfolio towards the end of October 2012.
- In 2013, Alternatives in the form of Hedge Funds and Private Real Estate Funds were introduced into the portfolio with a 15% target allocation. The target allocation was increased to 20% in 2014.
- The target allocation to Equities was increased from 30% to 40% in 2015.
- Asset allocation studies conducted in early 2018 and 2019 confirmed the current target allocation.
- All major asset classes remain broadly diversified across various strategies and sub-sectors.
- Compared to similar healthcare organizations, the target allocation is slightly more conservative, with a greater allocation to fixed income and lack of exposure to private equity.

^{*} Source: 2016-2017 Commonfund Benchmark Study of Healthcare Organizations. Peers with assets over \$1 Billion (34 respondents). Allocation reflects weighted average.

HISTORICAL ASSET ALLOCATION CASH BALANCE





- El Camino Hospital began implementing Pavilion's recommended portfolio towards the end of October 2012.
- The Alternatives target allocation has been 20% since November 1, 2012; however, the private real estate exposure was implemented through a drawdown structure, which takes time to fully implement..
- All major asset classes remain broadly diversified across various strategies and sub-sectors.
- Compared to similar healthcare organization defined benefit portfolios, the target allocation has more public equity exposure, but does not have exposure to private equity. Combined the equity exposure, both public and private, is very similar as is the overall asset allocation.

^{*} Source: 2016-2017 Commonfund Benchmark Study of Healthcare Organizations. Defined Benefit Plan peers (32 respondents). Allocation reflects weighted average.

SURPLUS CASH EX DISTRICT PERFORMANCE RETURNS ENDED JUNE 30, 2019

Composite	1 Year	3 Years	5 Years	Since Inception	Inception Period
Surplus Cash ex District	5.4	7.2	4.8	5.6	6y 8m
Policy Benchmark Pre-Pavilion Benchmark	5.7 7.1	6.8 3.3	4.8 3.3	5.5 3.6	
Total Equity	6.1	12.7	7.7	11.0	6y 8m
Equity Benchmark	5.2	12.2	7.1	10.7	
Total Fixed Income	6.8	2.7	2.7	2.5	6y 8m
Fixed Income Benchmark	7.0	2.1	2.6	2.2	
Total Alternatives	0.5	4.7	3.0	3.9	6y 8m
Alternatives Benchmark	2.3	4.8	3.8	4.2	

- The Surplus Cash ex District portfolio has returned 5.6% annualized since Pavilion's inception (Nov. 1, 2012), exceeding the Policy Benchmark by 0.1% and Pre-Pavilion Benchmark by over 2.0%.
- Outperformance versus the Pre-Pavilion Benchmark is a result of asset allocation decisions (more equity, less short duration fixed income) and manager decisions (shift from value bias to balanced/core within Equity as growth has significantly outperformed).
- Each composite has generated a positive absolute return since inception, with Equity and Fixed Income relatively outperforming their respective benchmarks, while Alternatives has underperformed. The Alternatives composite has yet to be updated with 2Q19 results for the Walton VII and VIII private real estate funds.

CASH BALANCE PLAN PERFORMANCE RETURNS ENDED JUNE 30, 2019

Composite	1 Year	3 Years	5 Years	Since Inception	Inception Period
Cash Balance Plan	6.0	8.8	6.0	7.8	6y 8m
Policy Benchmark Pre-Pavilion Benchmark	5.9 8.7	7.8 7.2	5.3 5.8	7.0 8.1	
Total Equity	6.3	13.0	7.7	11.0	6y 8m
Equity Benchmark	5.6	12.3	7.2	10.7	
Total Fixed Income	7.4	3.0	2.9	2.8	6y 8m
Fixed Income Benchmark	7.3	2.2	2.6	2.2	
Total Alternatives	2.3	5.8	5.8	7.4	6y 8m
Alternatives Benchmark	2.6	5.0	4.3	5.4	

- The Cash Balance portfolio has returned 7.8% annualized since Pavilion's inception (Nov. 1, 2012), exceeding the Policy Benchmark by 0.8%, but trailing the Pre-Pavilion Benchmark by 0.3%.
- Each composite has generated a positive absolute return and outperformed its respective benchmark since inception, which has led to the portfolio's overall outperformance versus the Policy Benchmark.
- Underperformance versus the Pre-Pavilion Benchmark is a result of the shift to a more global, balanced equity portfolio, whereas the previous equity exposure was 100% U.S. large-cap value. The inclusion of U.S. small-cap, developed international and emerging markets equities has negatively impacted performance to-date as U.S. large-cap has been the top performing asset class. However, the shift to a more diversified approach has reduced volatility, while the shift away from 100% value has benefited performance.

RISK STATISTICS NET OF FEE RETURNS ENDED JUNE 30, 2019

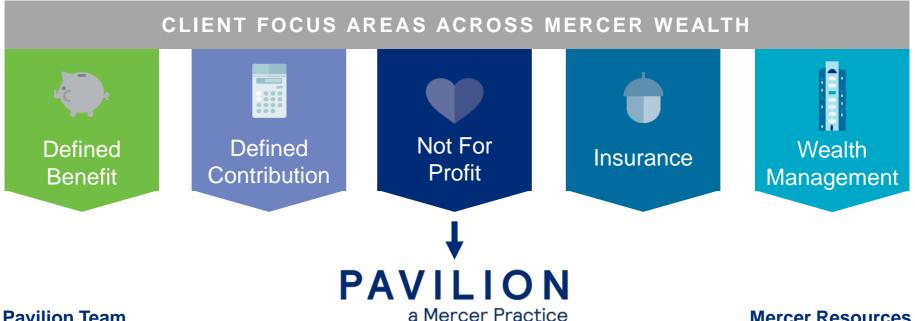
	Since Inception Return	Since Inception Standard Deviation	Since Inception Down Market Capture	Since Inception Up Market Capture	Since Inception Worst Quarter	Since Inception Best Quarter	Since Inception Sharpe Ratio	Since Inception Sortino Ratio	Inception Period
Total Surplus Cash ex District	5.6	4.9	97.8	100.8	-6.2	6.7	1.0	1.6	6y 8m
Surplus Cash Total Benchmark	5.5	4.8	100.0	100.0	-5.6	6.8	1.0	1.6	
Total Surplus Cash ex District	5.6	4.9	134.7	151.4	-6.2	6.7	1.0	1.6	6y 8m
Pre-Pavilion Surplus Cash Total Benchmark	3.6	2.3	100.0	100.0	-1.5	3.7	1.3	2.3	
Total Surplus Cash ex District	5.6	4.9	72.9	82.8	-6.2	6.7	1.0	1.6	6y 8m
50% Vanguard Total World Stock / 50% Vanguard Total Bond ¹	6.2	5.7	100.0	100.0	-5.9	7.5	1.0	1.6	
Total Cash Balance Plan	7.8	6.3	100.7	106.2	-7.8	8.4	1.1	1.8	6y 8m
Cash Balance Plan Total Benchmark	7.0	6.0	100.0	100.0	-7.0	7.8	1.1	1.7	•
Total Cash Balance Plan	7.8	6.3	81.1	89.5	-7.8	8.4	1.1	1.8	6y 8m
Pre-Pavilion Cash Balance Plan Total Benchmark	8.1	6.7	100.0	100.0	-6.4	8.3	1.1	1.9	
Total Cash Balance Plan	7.8	6.3	77.5	95.6	-7.8	8.4	1.1	1.8	6y 8m
60% Vanguard Total World Stock / 40% Vanguard Total Bond ²	6.9	6.7	100.0	100.0	-7.3	8.4	0.9	1.5	

- The Surplus Cash ex District portfolio has trailed the 50% Vanguard Total World Stock / 50% Vanguard Total Bond portfolio (an
 investable passive portfolio) by 0.6% since Pavilion's inception. However, the portfolio has experienced less volatility, with a favorable
 spread between down market and up market capture.
- The Cash Balance portfolio has outpaced the 60% Vanguard Total World Stock / 40% Vanguard Total Bond portfolio by 0.9% since Pavilion's inception, all while exhibiting less volatility and a favorable spread between down market and up market capture.

^{150%} Vanguard Total World Stock Index Fund Institutional (VTWIX) / 50% Vanguard Total Bond Market Index Fund Institutional (VBTIX). Rebalanced Quarterly.

²60% Vanguard Total World Stock Index Fund Institutional (VTWIX) / 40% Vanguard Total Bond Market Index Fund Institutional (VBTIX). Rebalanced Quarterly.

PAVILION, A MERCER PRACTICE



Pavilion Team

Mercer Resources



250+ Clients*

100+ Staff*





200+ Mercer Global Researchers**

- Scale of Mercer manager research provides Pavilion clients with global resources
- Dedicated Mercer Alternatives team delivers specialized research services in private capital strategies
- Specialist not-for-profit team within Mercer helps clients implement best practices
- Collaborative service philosophy provides advice and resources tailored to each client

* Not-for-profit clients and staff as of 4/1/2019. In November 2018, Mercer acquired the investment consulting, alternatives consulting, and wealth management businesses of Pavilion Financial Corporation (PFC), as well as Summit Strategies Group (Summit). ** Includes central leadership and support/admin staff

PAVILION, A MERCER PRACTICE



PAVILION, A MERCER PRACTICE	CLIENTS & ASSETS				
Not-for-Profit	\$ Billions AUA	# of Clients			
Healthcare	\$ 250	125+			
Endowments	\$ 105	70+			
Foundations	\$ 30	125+			
Total	\$ 390+	325+			

Preliminary client and assets data as of December 31, 2018, and subject to change. Assets in the table above represent approximately \$375 billion in assets under advisement and \$14 billion in assets under management. See Important Notices for additional information regarding Assets Under Advisement and Assets Under Management.

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