Investment Performance Review Period Ending June 30, 2019

Southfield Employees' Retirement System

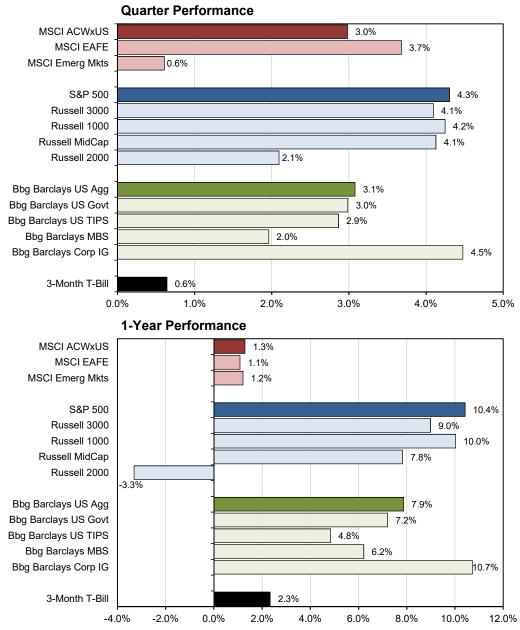


AndCo Consulting | (844) 44-ANDCO | AndCoConsulting.com

2nd Quarter 2019 Market Environment

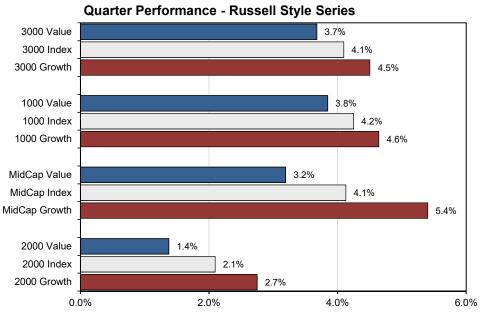


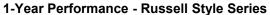
- Broad asset class returns were positive during the 2nd guarter of 2019 with . both equity and fixed income indices extending their year-to-date gains. US stocks outperformed international stocks during a very volatile guarter. Equity indices rose to start the period as progress in global trade negotiations outweighed signs of weakness in macroeconomic data. However, trade discussions between the US and China fell apart in May prompting increased tariffs and sharp declines in equity markets. The softening in economic data, stubbornly low inflation and the threat of slower future growth caused by ongoing disruption in trade led the Federal Reserve (Fed) to communicate a shift toward a more accommodative policy stance. This change in central bank posture caused markets to rebound strongly, ending the quarter higher for the period. Fixed income returns were also positive during the guarter as the prospect of more accommodative monetary policy pushed interest rates lower, increasing bond prices. Within domestic equity markets, large cap stocks outperformed small cap equities during the guarter with the S&P 500 Index returning 4.3% versus a 2.1% return on the small cap Russell 2000 Index. US equity returns over the 1-year period were positive within large and mid cap stocks, returning 10.4% and 7.8% respectively, but small cap stocks posted a loss, falling -3.3%.
- Similar to US markets, international markets were volatile during the 2nd quarter as investors reacted to mixed economic data, heightened geopolitical uncertainly, particularly around the outlook for global trade and Brexit, and increased accommodation in central bank policy with the European Central Bank (ECB) and People's Bank of China (PBoC) pledging additional stimulus if needed. Developed markets outperformed emerging markets during the period with the MSCI EAFE Index returning 3.7% versus a 0.6% return on the MSCI Emerging Markets Index. Both developing and emerging markets posted modest gains over the 1-year period, returning 1.1% and 1.2% respectively.
- Fixed income returns were in line with equities during the 2nd quarter. The broad market Bloomberg Barclays Aggregate Index returned 3.1% as a more dovish stance from the Fed and other global central banks pushed interest rates lower across the US Treasury Yield Curve. The curve steepened but remained inverted with shorter-term maturities paying higher interest rates than those in the middle of the curve. Investment grade corporate issues were the best performing securities for the second quarter in a row, outperforming Treasury and securitized issues. The Bloomberg Barclays Corporate IG Index returned 4.5% for the period, as corporate credit had tailwinds due to greater interest rate sensitivity, higher yields and tightening credit spreads. Corporate issues also outperformed the other major fixed income sectors over the 1-year period, returning 10.7% versus a 7.9% return for the Bloomberg Barclays Aggregate Index.

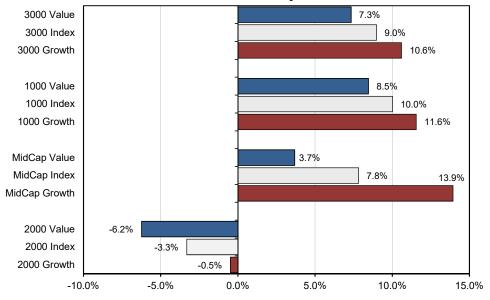




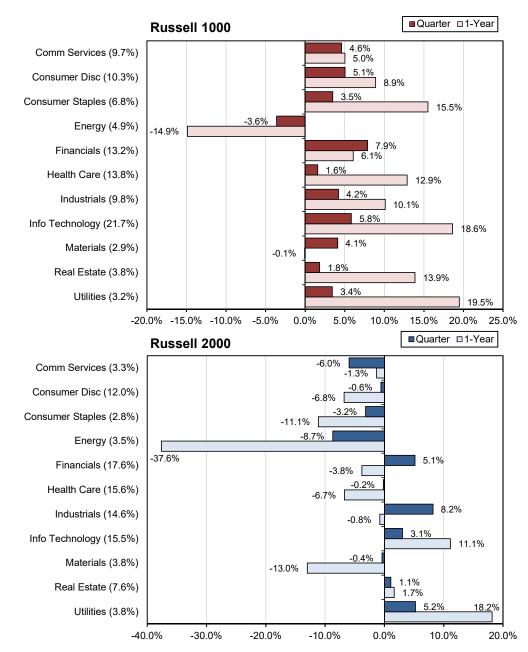
- US equity index returns were modestly positive across the style and . capitalization spectrum for the 2nd guarter. Corporate earnings reported during the guarter surprised to the upside, but economic data released during the period showed signs of slowing growth. Developments around global trade were particularly prominent during the period, heavily influencing market sentiment. Positive developments in trade negotiations with China came to an abrupt halt in May leading the US to increase tariffs on \$200 billion of Chinese imports from 10% to 25% and announce that the US would consider tariffs on the remaining \$300 billion in goods imported from China. China retaliated by increasing the tariff range on \$60 billion of US goods from 5-10% to 5-25%. Additionally, the US instituted a ban on sales of technology equipment to Chinese telecommunications firm Huawei citing national security risks. China is expected to take similar action in retaliation although nothing has been announced. Trade talks are ready to resume and both sides have agreed to cease escalations following a meeting between President Trump and President Jinping at the G20 summit held at the end of the guarter. In addition, President Trump threatened a 5% tariff on all Mexican imports as a tact to reduce the level of illegal immigration at the US border with Mexico, and US waivers on sanctions for Iranian oil ended leading to increased tensions in the region that were further escalated after Iran downed a US drone. Despite these headwinds, markets rose following comments from an increasingly accommodative Fed as investors priced in greater odds of easy monetary policy going forward.
- During the quarter, higher market cap stocks outperformed lower market cap stocks across the style spectrum with the only exception being the outperformance of mid cap growth stocks relative to large cap growth stocks. The large cap Russell 1000 Index gained 4.2% during the period versus a 4.1% return for the Russell MidCap Index and a 2.1% gain on the small cap Russell 2000 Index as market participants may be moving toward the relative safety of large cap names as the economy continues to show growing signs of weakness. When viewed over the most recent 1-year period, large cap stocks outperformed relative to small cap stocks. The Russell 1000 returned 10.0% for the year while the Russell 2000 fell -3.3%.
- Growth indices outperformed value indices across the market cap spectrum during the 2nd quarter. Growth stocks have outperformed value in nine of the last ten quarters. The Russell MidCap Growth Index was the best performing style index for the period, returning 5.4% for the quarter with the small cap value index posting the lowest relative return, a gain of 1.4%. The trend of growth outperformance is also visible over the 1-year period as growth indices have benefitted from larger exposures to technology which has been a large driver of index performance over the last year, as well as a meaningful underweight to energy which has been a relative detractor.







- Sector performance was broadly positive across large cap sectors for the 2nd . guarter. There were gains for ten out of eleven sectors within the Russell 1000 Index during the period with four sectors outpacing the return of the index. Cyclical sectors such as technology, industrials and consumer discretionary were some of the best performers through the quarter returning 5.8%, 4.2% and 5.1% respectively. Financials also outperformed, returning 7.9%, as investors weighed the benefits of continued economic expansion due to easing monetary policy against the effects of lower interest rates on bank earnings. More defensive higher yielding sectors such as consumer staples, real estate and utilities underperformed for the guarter returning 3.5%, 1.8% and 3.4% respectively. The energy sector was the only large cap sector to post a negative return during the guarter, falling -3.6%, as headwinds from weakening economic data and low oil and natural gas prices weighed on 1st guarter earnings. Health care stocks also lagged as continued discussions in Washington around the potential for increased regulation on drug pricing acted as a headwind. Returns over the 1-year period were positive with nine out of eleven sectors posting gains, six of which were over 10%. Defensive sectors such as utilities, REITs and consumer staples performed well returning 19.5%, 13.9% and 15.5% respectively. Technology returns were also strong gaining 18.6%. Energy and materials were the only sectors to post negative results over the 1-year period with energy falling -14.9% and materials returning -0.1%.
- . Quarterly results for small cap sectors were generally worse than their large capitalization counterparts with only two of eleven sectors (industrials and utilities) outperforming their corresponding large cap equivalents. Five of eleven sectors produced gains during the period with four of eleven economic sectors outpacing the Russell 2000 Index return for the quarter. Similar to large caps, cyclical sectors performed well on hopes that any Fed policy easing would counteract the recent weakness in economic growth. The industrials sector performed particularly well returning 8.2%, financials posted a 5.1% gain and technology returned 3.1%. Utilities also outperformed returning 5.2%. The largest detractors over the period were energy and communication services which returned -8.7% and -6.0% respectively. Over the trailing 1-year period, returns were broadly negative. Utilities and technology were relative bright spots returning 18.2% and 11.1%. The energy sector was an outlier in terms of negative returns losing -37.6% during the period. There were also notable losses in materials and consumer staples with materials losing -13.0% and consumer staples falling -11.1%.



The Market Environment Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000 As of June 30, 2019

Top 10 Weighted Stocks								
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
Microsoft Corp	3.71%	14.0%	37.5%	Information Technology				
Apple Inc	3.44%	4.6%	8.6%	Information Technology				
Amazon.com Inc	2.85%	6.3%	11.4%	Consumer Discretionary				
Facebook Inc A	1.68%	15.8%	-0.7%	Communication Services				
Berkshire Hathaway Inc B	1.51%	6.1%	14.2%	Financials				
Johnson & Johnson	1.37%	0.3%	17.9%	Health Care				
JPMorgan Chase & Co	1.35%	11.3%	10.3%	Financials				
Alphabet Inc Class C	1.20%	-7.9%	-3.1%	Communication Services				
Exxon Mobil Corp	1.19%	-4.1%	-3.3%	Energy				
Alphabet Inc A	1.18%	-8.0%	-4.1%	Communication Services				

Top 10 Performing Stocks (by Quarter)							
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector			
Adient PLC	0.01%	87.3%	-50.0%	Consumer Discretionary			
Anadarko Petroleum Corp	0.13%	55.8%	-1.6%	Energy			
Cypress Semiconductor Corp	0.03%	49.8%	46.9%	Information Technology			
Okta Inc A	0.04%	49.3%	145.2%	Information Technology			
Erie Indemnity Co Class A	0.02%	43.2%	122.5%	Financials			
Heico Corp	0.02%	41.1%	83.9%	Industrials			
Legg Mason Inc-LeggMason RETAIL	0.01%	39.9%	14.4%	Financials			
Exact Sciences Corp	0.05%	36.3%	97.4%	Health Care			
Caesars Entertainment Corp	0.02%	36.0%	10.5%	Consumer Discretionary			
Ardagh Group SA	0.00%	35.9%	9.6%	Materials			

Top 10 Weighted Stocks							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Array BioPharma Inc	0.48%	90.0%	176.1%	Health Care			
The Trade Desk Inc A	0.37%	15.1%	142.8%	Information Technology			
Etsy Inc	0.36%	-8.7%	45.5%	Consumer Discretionary			
Coupa Software Inc	0.35%	39.2%	103.4%	Information Technology			
Five Below Inc	0.32%	-3.4%	22.8%	Consumer Discretionary			
Planet Fitness Inc A	0.31%	5.4%	64.9%	Consumer Discretionary			
HubSpot Inc	0.31%	2.6%	36.0%	Information Technology			
Haemonetics Corp	0.30%	37.6%	34.2%	Health Care			
Woodward Inc	0.30%	19.4%	48.0%	Industrials			
Ciena Corp	0.29%	10.1%	55.1%	Information Technology			

Top 10 Performing Stocks (by Quarter)								
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector				
lovance Biotherapeutics Inc	0.13%	157.8%	91.6%	Health Care				
Arqule Inc	0.06%	129.9%	99.1%	Health Care				
Adverum Biotechnologies Inc	0.03%	126.9%	124.3%	Health Care				
Chimerix Inc	0.01%	105.7%	-9.2%	Health Care				
Enphase Energy Inc	0.08%	97.5%	170.9%	Information Technology				
Maxar Technologies Inc	0.02%	94.8%	-84.0%	Industrials				
Array BioPharma Inc	0.48%	90.0%	176.1%	Health Care				
Melinta Therapeutics Inc	0.00%	87.3%	-79.1%	Health Care				
G1 Therapeutics Inc	0.03%	84.7%	-29.5%	Health Care				
Foundation Building Materials Inc	0.01%	80.7%	15.6%	Industrials				

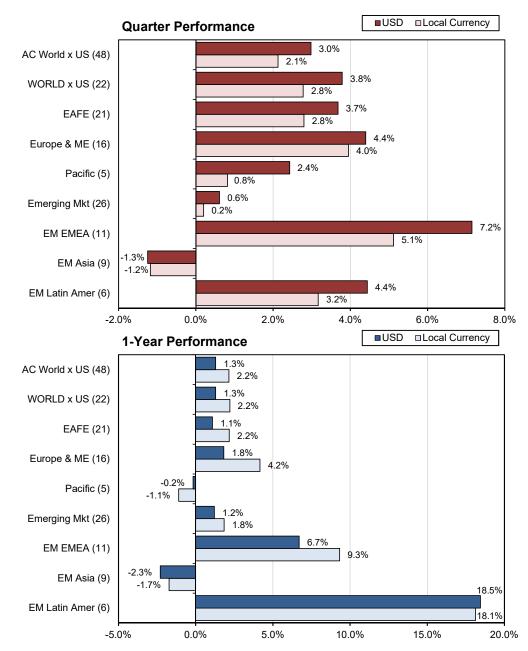
Bottom 10 Performing Stocks (by Quarter)								
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
2U Inc	0.01%	-46.9%	-55.0%	Information Technology				
Alkermes PLC	0.01%	-38.2%	-45.2%	Health Care				
Range Resources Corp	0.01%	-37.7%	-58.0%	Energy				
Antero Resources Corp	0.00%	-37.4%	-74.1%	Energy				
Chesapeake Energy Corp	0.01%	-37.1%	-62.8%	Energy				
RPC Inc	0.00%	-36.5%	-48.8%	Energy				
Realogy Holdings Corp	0.00%	-35.8%	-67.4%	Real Estate				
The Chemours Co	0.02%	-34.7%	-44.2%	Materials				
United Therapeutics Corp	0.01%	-33.5%	-31.0%	Health Care				
Mylan NV	0.04%	-32.8%	-47.3%	Health Care				

Bottom 10 Performing Stocks (by Quarter)							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
FuelCell Energy Inc	0.00%	-94.0%	-98.9%	Industrials			
Halcon Resources Corp	0.00%	-86.9%	-96.0%	Energy			
Pioneer Energy Services Corp	0.00%	-85.7%	-95.7%	Energy			
Eros International PLC	0.00%	-85.2%	-89.6%	Communication Services			
Superior Energy Services Inc	0.01%	-72.2%	-86.7%	Energy			
electroCore Inc	0.00%	-71.4%	-87.9%	Health Care			
Ultra Petroleum Corp	0.00%	-70.5%	-92.2%	Energy			
Nuvectra Corp	0.00%	-69.6%	-83.7%	Health Care			
Dean Foods Co	0.00%	-69.5%	-91.1%	Consumer Staples			
Kirkland's Inc	0.00%	-67.9%	-80.6%	Consumer Discretionary			



- Broad international equity returns were positive for the guarter in both local . currency and USD terms. The MSCI ACWI ex US Index gained 2.1% in local currency terms and 3.0% in US dollar (USD) terms during the 2nd quarter. Similar to US markets, international equity investors balanced difficulties around global trade with central bank shifts toward more accommodative policies as a response to slowing global growth. Notably the ECB President Mario Draghi stated that further monetary policy action may need to be taken if inflation remains below target and the PBoC launched stimulus measures designed to encourage growth following the deterioration of trade negotiations with the US. Returns in USD largely outperformed those in local currency during the guarter as the USD depreciated against most major developed currencies following dovish Fed comments in June. However, the recent USD strength can still be seen over the 1-year period with USD returns trailing most local currency returns. Returns for the MSCI ACWI ex US Index were 2.2% in local currency terms and 1.3% in USD terms for the trailing year.
- Results for developed market international indices were positive in both local currency and USD terms during the 2nd quarter, with the MSCI EAFE Index returning 2.8% and 3.7% respectively. Outside of central bank policy and trade, there was notable news out of the UK with Prime Minister Theresa May resigning from her post after her Brexit withdrawal plan failed to gain parliamentary approval and a new vote for the office is currently underway. UK markets were pressured by continued uncertainty around Brexit with the UK having until October to strike an agreement with the European Union (EU) or withdraw with no agreement in place. Despite the growing uncertainty, the Bank of England (BoE) left monetary policy unchanged. Japan also underperformed as the yen appreciated due to its perceived safe haven status and trade headwinds were expected to affect its export driven economy. The MSCI EAFE Index returned 2.2% and 1.1% for the last twelve months in local currency and USD terms respectively.
- Emerging markets underperformed relative to developed markets for the 2nd quarter, slightly appreciating in both local currency and USD terms. The MSCI Emerging Markets Index gained 0.2% and 0.6% respectively. As expected, geopolitical tensions around trade put pressure on emerging market stocks, with Chinese equities underperforming relative to most countries. Latin American stocks performed well with Brazil and Argentina posting strong returns as commodity prices appreciated from recent lows at the end of 2018 and interest rates fell. Russian equities also performed well, benefiting from increasing commodity prices, but also had a tailwind from a decrease in the likelihood of future US sanctions. One year returns for the MSCI Emerging Market Index were 1.8% in local currency terms and 1.2% in USD terms.

The Market Environment International and Regional Market Index Performance (Country Count) As June 30, 2019





MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.4%	4.0%	4.3%
Consumer Discretionary	11.1%	5.9%	-2.6%
Consumer Staples	11.7%	1.9%	4.8%
Energy	5.6%	0.4%	-5.5%
Financials	18.9%	4.3%	-2.9%
Health Care	11.2%	2.0%	7.5%
Industrials	14.8%	5.9%	2.4%
Information Technology	6.7%	6.6%	2.7%
Materials	7.4%	3.9%	0.2%
Real Estate	3.6%	-2.2%	2.3%
Utilities	3.6%	1.5%	9.8%
Total	100.0%	3.7%	1.1%
MSCI - ACWIxUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	0.00/		
Communication Services	6.9%	1.0%	5.6%
Consumer Discretionary	6.9%	1.0% 3.8%	5.6% -3.6%
-			
Consumer Discretionary	11.3%	3.8%	-3.6%
Consumer Discretionary Consumer Staples	11.3% 9.8%	3.8% 2.2%	-3.6% 4.6%
Consumer Discretionary Consumer Staples Energy	11.3% 9.8% 7.2%	3.8% 2.2% 0.5%	-3.6% 4.6% -1.4%
Consumer Discretionary Consumer Staples Energy Financials	11.3% 9.8% 7.2% 21.9%	3.8% 2.2% 0.5% 4.4%	-3.6% 4.6% -1.4% 2.0%
Consumer Discretionary Consumer Staples Energy Financials Health Care	11.3% 9.8% 7.2% 21.9% 8.3%	3.8% 2.2% 0.5% 4.4% 1.2%	-3.6% 4.6% -1.4% 2.0% 4.2%
Consumer Discretionary Consumer Staples Energy Financials Health Care Industrials	11.3% 9.8% 7.2% 21.9% 8.3% 11.9%	3.8% 2.2% 0.5% 4.4% 1.2% 5.2%	-3.6% 4.6% -1.4% 2.0% 4.2% 2.9%
Consumer Discretionary Consumer Staples Energy Financials Health Care Industrials Information Technology	11.3% 9.8% 7.2% 21.9% 8.3% 11.9% 8.5%	3.8% 2.2% 0.5% 4.4% 1.2% 5.2% 4.0%	-3.6% 4.6% -1.4% 2.0% 4.2% 2.9% -0.7%
Consumer Discretionary Consumer Staples Energy Financials Health Care Industrials Information Technology Materials	11.3% 9.8% 7.2% 21.9% 8.3% 11.9% 8.5% 7.6%	3.8% 2.2% 0.5% 4.4% 1.2% 5.2% 4.0% 2.9%	-3.6% 4.6% -1.4% 2.0% 4.2% 2.9% -0.7% -0.5%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	11.7%	-2.4%	4.5%
Consumer Discretionary	13.5%	-1.2%	-7.6%
Consumer Staples	6.6%	3.3%	0.9%
Energy	7.9%	1.2%	16.3%
Financials	25.2%	4.0%	11.9%
Health Care	2.6%	-6.6%	-24.7%
Industrials	5.3%	0.0%	4.1%
Information Technology	13.9%	-0.1%	-6.1%
Materials	7.6%	-1.2%	-1.9%
Real Estate	3.0%	-0.2%	10.1%
Utilities	2.7%	2.9%	9.0%
Total	100.0%	0.6%	1.2%

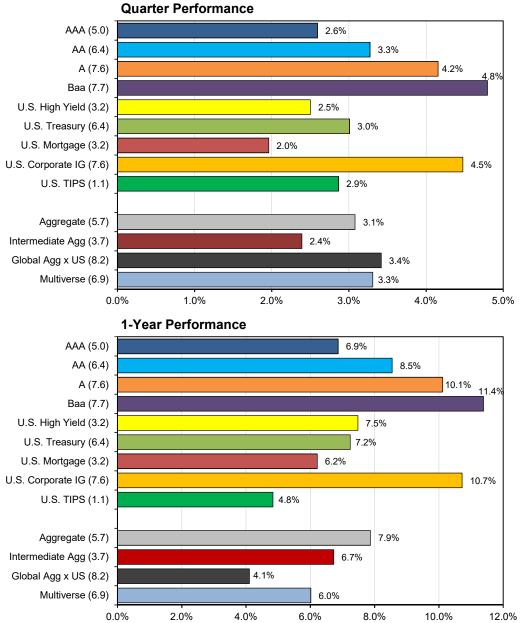
0	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	23.7%	15.8%	1.0%	-4.2%
United Kingdom	16.8%	11.2%	0.9%	-2.1%
France	11.4%	7.6%	6.5%	3.0%
Switzerland	9.3%	6.2%	8.4%	19.8%
Germany	8.8%	5.9%	7.1%	-3.8%
Australia	7.1%	4.8%	7.3%	6.6%
Hong Kong	4.0%	2.7%	1.0%	10.4%
Netherlands	3.6%	2.4%	5.8%	5.3%
Spain	3.0%	2.0%	2.6%	-2.1%
Sweden	2.7%	1.8%	4.9%	3.4%
Italy	2.3%	1.6%	2.9%	-0.7%
Denmark	1.7%	1.1%	1.6%	5.8%
Singapore	1.4%	0.9%	7.0%	8.3%
Finland	1.0%	0.7%	0.2%	-4.7%
Belgium	1.0%	0.7%	1.2%	-9.1%
Norway	0.7%	0.5%	2.4%	-4.3%
Israel	0.6%	0.4%	-3.6%	-4.5%
Ireland	0.5%	0.4%	4.7%	-9.2%
New Zealand	0.3%	0.2%	3.9%	16.0%
Austria	0.2%	0.2%	0.8%	-13.1%
Portugal	0.2%	0.1%	1.6%	-4.6%
Total EAFE Countries	100.0%	66.8%	3.7%	1.1%
Canada		6.8%	4.9%	3.3%
Total Developed Countries		73.6%	3.8%	1.3%
China		8.3%	-4.0%	-6.7%
Korea		3.3%	-1.0%	-9.1%
Taiwan		2.9%	0.9%	1.1%
India		2.4%	0.5%	7.9%
Brazil		2.0%	7.2%	39.4%
South Africa		1.6%	6.6%	-0.8%
Russia		1.1%	16.9%	27.1%
Thailand		0.8%	9.3%	19.8%
Saudi Arabia		0.8%	0.6%	11.0%
Mexico		0.7%	1.1%	-7.4%
Indonesia		0.6%	3.2%	20.3%
Malaysia		0.6%	1.2%	-0.8%
Philippines		0.3%	4.4%	19.7%
Poland		0.3%	3.5%	10.5%
Qatar		0.3%	0.6%	18.8%
Chile		0.2%	-5.6%	-12.1%
United Arab Emirates		0.2%	-2.7%	3.0%
Turkey		0.1%	2.8%	-17.1%
Colombia		0.1%	-2.4%	-3.7%
Peru		0.1%	-1.9%	3.5%
Argentina		0.1%	31.7%	15.8%
Greece		0.1%	16.2%	-9.2%
Hungary		0.1%	-4.1%	12.7%
Czech Republic		0.0%	2.6%	1.1%
Egypt		0.0%	7.8%	5.4%
Pakistan		0.0%	-20.8%	-36.7%
Total Emerging Countries		26.4%	0.6%	1.2%
Total ACWIXUS Countries		100.0%	3.0%	1.3%

Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD) As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communicatio Services sector.

The Market Environment US Dollar International Index Attribution & Country Detail As of June 30, 2019

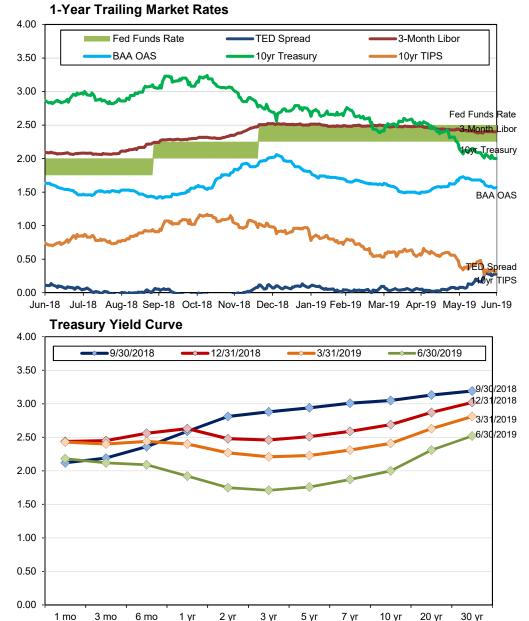
The Market Environment Domestic Bond Sector & Broad/Global Bond Market Performance (Duration) As of June 30, 2019

- Broad fixed income benchmarks built on their early 2019 gains during the 2nd . guarter. During the 1st guarter, the Federal Open Market Committee (FOMC) reacted to a difficult end to 2018 by issuing guidance that the FOMC is no longer projecting any further interest rate increases through 2019. Federal Reserve Chair Jerome Powell also stated that the Fed would begin tapering the roll off from the planned balance sheet reduction program in May with a plan to halt the program entirely in September. The stoppage of the balance sheet reduction program represents an easing of monetary policy. The Fed took an increasingly dovish stance during the 2nd guarter reacting to softening economic data, tepid inflation and increased risks around global trade. While the committee left interest rates unchanged, the minutes from the June FOMC meeting indicate that the committee felt "downside risks to the outlook for economic activity had risen materially" during the quarter with several participants noting that a "near-term cut in the target range for the Federal Funds Rate could help cushion the effects of possible future adverse shocks to the economy". These comments led market participants to forecast greater odds of an interest rate cut this year, pushing markets higher. Interest rates fell across all maturities on the US Treasury Yield Curve with the greatest declines occurring in the mid- and long-term issues. The curve remains inverted with short-term maturities paying higher interest rates than issues in the mid- to long-end of the curve. The bellwether Bloomberg Barclavs US Aggregate Index posted positive returns for both the 1st guarter and the 1-year period, returning 3.1% and 7.9% respectively.
- Within investment grade credit, lower quality issues outperformed higher quality issues as investors gravitated toward higher risk securities during the quarter. Lower quality issues also benefitted from their higher durations. On an absolute basis, without negating the duration differences in the sub-indices, Baa rated credit was the best performing investment grade credit quality segment returning 4.8% for the quarter, while AAA was the worst performing, returning 2.6%. High yield issues returned 2.5% for the quarter as these issues did not commensurately benefit from the drop in interest rates due to their lower durations. Returns over the 1-year period generally show lower quality securities outperforming higher quality issues.
- Investment grade corporates outperformed the more defensive Treasury and mortgage backed sectors of the Bloomberg Barclays US Aggregate Index's three broad sectors during the 2nd quarter. Investment grade corporate credit returned 4.5%, as falling interest rates benefitted these securities to a greater degree and credit spreads have continued to tighten since the end of 2018. When viewed over the 1-year period, corporate credit outperformed both Treasuries and mortgage backed securities. Corporate issues returned 10.7% versus a 6.2% return for mortgages and 7.2% gain on Treasury securities.





- Global fixed income returns were in line with their domestic counterparts, slightly outperforming during the 2nd guarter. These indices have lower, or in some cases (Germany, Japan), negative yields, but have higher durations. The returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. The USD depreciated against most other developed currencies, acting as a tailwind to global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was 3.4%. Global bonds still trail over the 1-year period with the Global Aggregate ex US Index returning 4.1% versus a 7.9% return on the domestically focused Barclays Aggregate Index. As global growth has shown signs of stalling, several international central banks have started to step back from more restrictive postures. The ECB and the PBoC have moved toward an easing of monetary policy and implemented various stimulus programs designed to support their respective economies. The Bank of England and the Bank of Japan made no major policy changes during the guarter as they continue to review macroeconomic data within their respective countries.
- Much of the index performance detailed in the bar graphs on the previous page is visible on a time series basis by reviewing the line graphs to the right. The '1-Year Trailing Market Rates' chart illustrates that the 10-year Treasury yield (green line) fell from recent high's greater than 3.0%, to 2.0% to end the guarter. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. This line illustrates an abrupt increase in credit spreads during the 4th guarter of 2018 as investors moved to higher quality assets during the quarter's risk-off environment. Subsequently, spreads dropped steadily until they rose again in May and then later declined in June. This spread tightening is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. These credit spreads have tightened by about 6 basis points over the last three months. The green band across the graph illustrates the gradual increase in the Federal Funds Rate due to the tightening of US monetary policy during 2018. There have been no changes to the Federal Funds Rate in 2019.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four calendar quarters. The downward shift in interest rates as well as a general steepening of the yield curve are clearly visible over the last quarter. As mentioned, the yield curve continues to invert as yields on shorter-term maturities fell less than interest rates in the middle- to long-end of the curve.



yr 7 yr 10 yr 20 yr 30 yr

Southfield Employees Retirement System Total Fund Asset Allocation Compliance Summary June 30, 2019

Total Portfolio Compliance Summary							
	June 30, 2019	Current	Target	Range	Act 314	Compliance	Compliance
	Market Value \$	Allocation %	Allocation %	Allocation %	Limit %	within Ranges	w/314 Limits
Total Portfolio (excluding Unfunded Commitments)	111,883,836.32	100.0%	100.0%				

Total Equity (14)	75,683,250.56	67.6%	63.5%	53.0% - 70.0%	70.0%	YES	YES
Domestic Equity (14)	56,848,126.07	50.8%	48.0%	43.0% - 53.0%	70.0%	YES	YES
International Equity (14)	18,835,124.49	16.8%	15.5%	10.0% - 20.0%	70.0%	YES	YES
Total US Fixed Income (17 & 17.1.a.iii)	15,757,973.65	14.1%	22.0%	15.0% - 30.0%	100.0%	NO	YES
US Investment Grade Fixed Income (17)	10,781,235.22	9.6%	15.0%	10.0% - 25.0%	100.0%	NO	YES
US Non-Investment Grade Fixed Income (17.1.a.iii)	4,976,738.43	4.4%	5.0%	0.0% - 10.0%	100.0%	YES	YES
Total Non US Fixed Income (20k)	3,366,421.76	3.0%	2.0%	0.0% - 10.0%	20.0%	YES	YES
Total Real Estate (18 & 19)	7,804,086.43	7.0%	6.0%	0.0% - 10.0%	20.0%	YES	YES
Alternative Investments (20d)	8,520,257.92	7.6%	8.5%	0.0% - 10.0%	20.0%	YES	YES
Short Term/Cash Reserves	751,846.00	0.7%	0.0%	0.0% - 5.0%	N/A	YES	YES



EXECUTIVE SUMMARY: 4Q 2018

Market Summary:

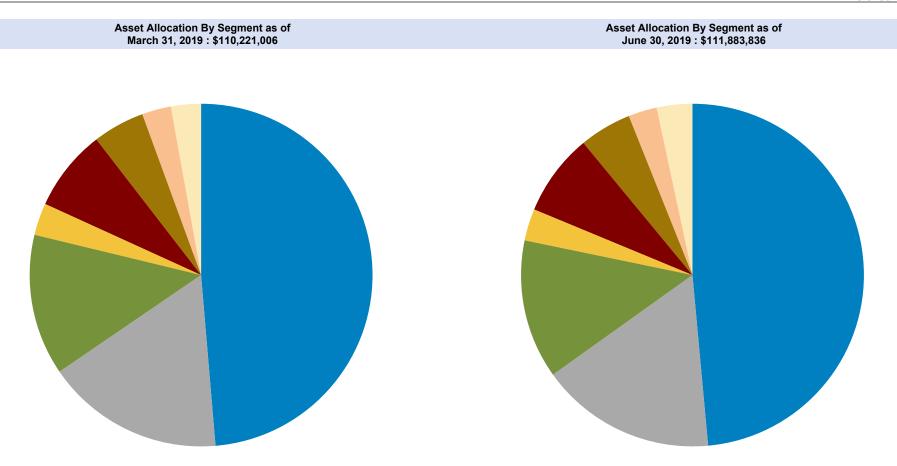
The US equity market plummeted during the 4th quarter and volatility returned. The sell off may be attributed to several factors, including the Federal Reserve's forecasts for several rate increases in 2019, the slowing global economy, persistent trade tensions with China, politics (midterm elections and federal debt ceiling standoff), and other concerns. The decline was broad based with most sectors falling by double digits during the quarter; larger companies survived the best (S&P 500 down 13.5%), followed by mid-caps and small-caps. The international equity markets fared slightly better (MSCI EAFE -12.5% and MSCI Emerging Markets -7.5%); however, these markets did not keep pace with the US markets over the summer and significantly lagged over the full year. The fixed income market managed a modest gain during the quarter (BB US Aggregate 1.6%). Treasuries and mortgages led as investors focused on safety; corporate bonds struggled, as they were influenced by the equity markets. The Federal Reserve hiked interest rates for a fourth time this year in December and the yield curve continued to flatten (short term rates rising faster than longer term rates); at quarter end the Fed Funds Rate was 2.25% - 2.50%. In late December the Fed softened their language on future rate increases and the equity market rallied.

Conclusions/Recommendations:

- The Total Fund returned -10.37% during the quarter, trailing the Policy Index by 1.00% and ranking in the bottom half of the Public Fund universe. The Fund was
 hindered by the significant allocation to small and mid cap stocks and weak performance from several of the active managers, particularly QMA (mid cap), LSV (intl
 equity), and Bloomfield II (direct lending).
- 2. The Total Fund posted a return of -6.01% over the past year, under performing the Policy Index and ranking in the bottom half of the peer group. Longer-term, the Fund has performed very well, generally exceeding the Policy Index and ranking in the top third of the peer group.
- 3. Champlain out performed the Russell Mid Cap Index and ranked near the top of their peer group. The manager benefited from strong stock selection within the Information Technology and Consumer Discretionary sectors. Over the past year the manager has exceeded their benchmark by 13.6%.
- 4. Bloomfield Capital II struggled this quarter. The manager has returned over 60% of the capital during the last 12 months; the remaining portfolio contains some challenging loans and due to the smaller capital base, these loans have a larger impact on performance.
- 5. Metropolitan and BTG/RMK have not yet reported their fourth quarter 2018 results (about 3% of the portfolio); these strategies will have minimal impact on the Total Fund. As of 12/31/18, the Plan has outstanding investment commitments with Bloomfield Capital V.
- The Fund was slightly below the minimum allocation to domestic fixed income (9.1% vs. 10.0%); see AndCo's rebalancing recommendation on the Asset/Manager Summary handout. We did not detect any other violations of investment policies



Asset Allocation Summary Total Fund As of June 30, 2019



ocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Domestic Equity	53,635,713	48.7	Domestic Equity	54,309,779	48.5
International Equity	18,515,854	16.8	International Equity	18,546,926	16.6
Domestic Fixed Income	14,681,366	13.3	Domestic Fixed Income	14,692,470	13.1
Global Fixed Income	3,339,772	3.0	Global Fixed Income	3,366,422	3.0
Real Estate	8,518,907	7.7	Real Estate	8,685,731	7.8
Hedge Fund	5,383,239	4.9	Hedge Fund	5,505,779	4.9
Other Illiquid Asset	3,014,479	2.7	Other Illiquid Asset	3,014,479	2.7
Cash Equivalent	3,131,677	2.8	Cash Equivalent	3,762,250	3.4



Financial Reconciliation								
	Market Value 04/01/2019	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 06/30/2019
Total Domestic Equity	55,009,462	-	-	-	-64,384	-3,362	1,906,411	56,848,126
Comerica S&P 500 Index Fund	22,135,838	-	-	-	-3,261	-	953,315	23,085,893
Champlain MC Equity	8,873,771	-	-	-	-18,856	-1,148	277,782	9,131,550
QMA US MC Equity	7,219,696	-	-	-	-7,841	-	168,154	7,380,008
SouthernSun SC	11,078,374	-5,500,000	-	-	-21,061	-1,433	244,797	5,800,676
Walthausen & Co. SMID Value	5,701,783	-	-	-	-13,365	-781	334,129	6,021,765
Great Lakes Equity	-	5,500,000	-	-	-	-	-71,766	5,428,234
Total International Equity	18,953,373	-1,182,971	-	-	-51,297	-1,246	1,117,265	18,835,124
LSV International LCV	9,181,039	17,029	-	-	-17,029	-	158,754	9,339,793
WCM Focused Growth International	9,772,334	-1,200,000	-	-	-34,268	-1,246	958,511	9,495,331
Total Fixed Income	19,654,213	-922,436	-	-	-6,841	-1,391	400,851	19,124,395
Pacific Fixed Income	10,546,228	-75,000	-	-	-6,841	-1,391	318,239	10,781,235
Bloomfield Capital Income Fund II	730,961	-220,000	-	-	-	-	65,634	576,594
Bloomfield Capital Income Fund III	4,173,041	-698,904	-	-	-	-	-28,648	3,445,489
Bloomfield Capital Income Fund V	864,211	71,468	-	-	-	-	18,976	954,655
Templeton Global Bond R6 (FBNRX)	3,339,772	-	-	-	-	-	26,650	3,366,422
Total Real Estate	7,719,757	-	-	-	-19,410	-	103,739	7,804,086
AEW Core Property Trust	6,954,410	-	-	-	-19,410	-	103,739	7,038,739
Metropolitan Real Estate V	765,347	-	-	-	-	-	-	765,347
Total Timber Funds	3,014,479	-	-	-	-	-	-	3,014,479
RMK Timberland US Fund	2,112,710	-	-	-	-	-	-	2,112,710
RMK Timberland Intl Fund	901,769	-	-	-	-	-	-	901,769
Total Hedge Fund of Funds	5,383,239	-	-	-	-	-	122,540	5,505,779
Magnitude Institutional	2,788,023	-	-	-	-	-	66,191	2,854,215
Titan Masters Int'l Fund	2,595,215	-	-	-	-	-	56,349	2,651,564
Cash Account	486,483	2,105,407	1,195,639	-2,991,054	-	-52,566	7,936	751,846
Total Fund	110,221,006	-	1,195,639	-2,991,054	-141,932	-58,565	3,658,742	111,883,836



Comparative Performance																	
	Q	TR	FY	TD	1 \	(R	3 \	/R	5	YR	7 `	YR	10	YR	Ince	ption	Inception Date
Total Fund	3.24	(50)	4.83	(88)	4.83	(88)	9.92	(11)	5.88	(54)	9.52	(9)	11.32	(1)	7.70	(5)	06/01/1997
Total Fund Policy	3.16	(58)	5.65	(72)	5.65	(72)	9.28	(32)	6.51	(25)	9.16	(17)	10.28	(9)	7.95	(1)	
Difference	0.08		-0.82		-0.82		0.64		-0.63		0.36		1.04		-0.25		
All Public Plans-Total Fund Median	3.24		6.36		6.36		8.92		5.99		8.23		9.14		6.91		
Total Domestic Equity	3.47	(53)	4.48	(57)	4.48	(57)	12.13	(48)	7.03	(61)	12.10	(53)	14.46	(36)	8.84	(77)	02/01/1992
Total Domestic Equity Policy	3.28	(56)	3.59	(61)	3.59	(61)	12.68	(44)	8.90	(40)	12.98	(41)	14.41	(37)	10.23	(39)	
Difference	0.19		0.89		0.89		-0.55		-1.87		-0.88		0.05		-1.39		
IM U.S. Equity (SA+CF+MF) Median	3.61		5.81		5.81		11.87		7.94		12.28		13.69		9.80		
Total International Equity	6.27	(7)	5.00	(14)	5.00	(14)	12.35	(12)	5.76	(12)	10.16	(10)	8.87	(23)	2.96	(31)	12/01/2007
Total International Equity Policy	3.68	(30)	1.08	(39)	1.08	(39)	9.11	(44)	2.25	(57)	7.31	(40)	6.90	(58)	1.32	(63)	
Difference	2.59		3.92		3.92		3.24		3.51		2.85		1.97		1.64		
IM International Equity (SA+CF+MF) Median	2.58		-0.10		-0.10		8.76		2.53		6.74		7.22		1.87		
Total Fixed Income	2.09	(98)	5.75	(99)	5.75	(99)	4.60	(3)	4.74	(2)	4.25	(4)	5.23	(20)	5.47	(28)	03/01/2009
Total Fixed Income Policy	3.08	(69)	7.87	(79)	7.87	(79)	2.31	(88)	2.95	(89)	2.62	(92)	3.90	(93)	4.09	(93)	
Difference	-0.99		-2.12		-2.12		2.29		1.79		1.63		1.33		1.38		
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	3.14		8.11		8.11		2.80		3.29		3.10		4.61		5.02		
Total Real Estate	1.34	(67)	6.17	(92)	6.17	(92)	7.24	(81)	9.42	(79)	9.23	(93)	N/A		5.49	(100)	01/01/2012
Total Real Estate Policy	1.51	(38)	6.51	(90)	6.51	(90)	6.89	(84)	8.83	(91)	9.43	(91)	9.25	(84)	9.54	(92)	
Difference	-0.17		-0.34		-0.34		0.35		0.59		-0.20		N/A		-4.05		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.47		7.59		7.59		8.43		10.69		11.23		10.60		11.28		
Total Hedge Fund of Funds	2.28		2.89		2.89		5.24		N/A		N/A		N/A		2.61		08/01/2015
HFRI FOF: Diversified Index	1.68		1.80		1.80		4.11		2.20		3.65		3.28		1.70		
Difference	0.60		1.09		1.09		1.13		N/A		N/A		N/A		0.91		
Total Timber Funds	0.00		6.31		6.31		0.77		-1.72		N/A		N/A		-0.11		08/01/2012
Total Timber Policy	1.04		2.95		2.95		3.29		4.62		6.03		3.98		6.03		
Difference	-1.04		3.36		3.36		-2.52		-6.34		N/A		N/A		-6.14		



** All History prior to 3/31/2015, obtained from prior consultant.**

	Q.	ſR	FY	TD	1 ۱	(R	3 \	ŕR	5 `	YR	7 `	(R	10	YR	Ince	ption	Inceptio Date
otal Domestic Equity	3.47	(53)	4.48	(57)	4.48	(57)	12.13	(48)	7.03	(61)	12.10	(53)	14.46	(36)	8.84	(77)	02/01/1992
Total Domestic Equity Policy	3.28	(56)	3.59	(61)	3.59	(61)	12.68	(44)	8.90	(40)	12.98	(41)	14.41	(37)	10.23	(39)	
Difference	0.19		0.89		0.89		-0.55		-1.87		-0.88		0.05		-1.39		
IM U.S. Equity (SA+CF+MF) Median	3.61		5.81		5.81		11.87		7.94		12.28		13.69		9.80		
Comerica S&P 500 Index Fund	4.31	(48)	10.44	(33)	10.44	(33)	14.17	(42)	10.71	(40)	13.98	(49)	14.72	(44)	8.69	(56)	04/01/2006
S&P 500 Index	4.30	(49)	10.42	(34)	10.42	(34)	14.19	(41)	10.71	(40)	13.98	(49)	14.70	(45)	8.65	(59)	
Difference	0.01		0.02		0.02		-0.02		0.00		0.00		0.02		0.04		
IM U.S. Large Cap Core Equity (SA+CF) Median	4.23		8.85		8.85		13.70		10.31		13.97		14.55		8.75		
Champlain MC Equity	3.34	(43)	15.96	(4)	15.96	(4)	N/A		N/A		N/A		N/A		17.78	(5)	08/01/2017
Russell Midcap Index	4.13	(35)	7.83	(35)	7.83	(35)	12.16	(36)	8.63	(42)	13.37	(50)	15.16	(46)	9.67	(32)	
Difference	-0.79		8.13		8.13		N/A		N/A		N/A		N/A		8.11		
IM U.S. Mid Cap Core Equity (SA+CF) Median	3.10		2.67		2.67		11.58		8.24		13.20		14.82		7.69		
QMA US MC Equity	2.33	(76)	-1.83	(92)	-1.83	(92)	N/A		N/A		N/A		N/A		4.26	(91)	08/01/2017
S&P MidCap 400 Index	3.05	(64)	1.36	(72)	1.36	(72)	10.90	(69)	8.02	(71)	12.68	(71)	14.64	(77)	7.10	(71)	
Difference	-0.72		-3.19		-3.19		N/A		N/A		N/A		N/A		-2.84		
IM U.S. Mid Cap Core Equity (SA+CF) Median	3.10		2.67		2.67		11.58		8.24		13.20		14.82		7.69		
SouthernSun SC	2.62	(51)	-6.95	(85)	-6.95	(85)	6.76	(99)	-1.65	(100)	7.21	(100)	13.17	(93)	8.42	(92)	04/01/2008
Russell 2000 Index	2.10	(61)	-3.31	(57)	-3.31	(57)	12.30	(55)	7.06	(73)	11.63	(78)	13.45	(87)	9.10	(82)	
Difference	0.52		-3.64		-3.64		-5.54		-8.71		-4.42		-0.28		-0.68		
IM U.S. Small Cap Core Equity (SA+CF) Median	2.63		-2.54		-2.54		12.56		8.22		13.16		14.61		10.38		
Valthausen & Co. SMID Value	5.87	(6)	0.28	(46)	0.28	(46)	11.33	(35)	N/A		N/A		N/A		10.53	(46)	10/01/2015
Russell 2500 Value Index	1.89	(79)	-1.92	(62)	-1.92	(62)	8.98	(66)	5.55	(73)	11.00	(79)	13.28	(73)	10.10	(52)	
Difference	3.98		2.20		2.20		2.35		N/A		N/A		N/A		0.43		
IM U.S. SMID Cap Value Equity (SA+CF) Median	3.53		0.10		0.10		10.32		6.62		12.15		14.12		10.12		
reat Lakes Equity	N/A		N/A		N/A		-2.38	(89)	05/01/2019								
Russell 2500 Index	2.96	(76)	1.77	(65)	1.77	(65)	12.34	(69)	7.66	(90)	12.51	(92)	14.44	(74)	-0.52	(61)	
Difference	N/A		N/A		N/A		-1.86										
IM U.S. SMID Cap Core Equity (SA+CF) Median	4.37		2.80		2.80		12.60		8.96		13.54		15.44		0.42		



** All History prior to 3/31/2015, obtained from prior consultant.**

Comparative Performance

Trailing Returns

As of June 30, 2019

	Q.	TR	FY	TD	1 ١	(R	3 \	(R	5`	ŕR	7	(R	10	YR	Ince	otion	Inception Date
Fotal International Equity	6.27	(7)	5.00	(14)	5.00	(14)	12.35	(12)	5.76	(12)	10.16	(10)	8.87	(23)	2.96	(31)	12/01/2007
Total International Equity Policy	3.68	(30)	1.08	(39)	1.08	(39)	9.11	(44)	2.25	(57)	7.31	(40)	6.90	(58)	1.32	(63)	
Difference	2.59		3.92		3.92		3.24		3.51		2.85		1.97		1.64		
IM International Equity (SA+CF+MF) Median	2.58		-0.10		-0.10		8.76		2.53		6.74		7.22		1.87		
SV International LCV	1.73	(60)	-3.78	(76)	-3.78	(76)	8.91	(40)	1.91	(60)	8.10	(40)	7.39	(63)	4.27	(74)	01/01/2006
MSCI EAFE Index	3.97	(14)	1.60	(34)	1.60	(34)	9.65	(33)	2.74	(42)	7.81	(43)	7.40	(63)	4.38	(73)	
Difference	-2.24		-5.38		-5.38		-0.74		-0.83		0.29		-0.01		-0.11		
IM International Large Cap Value Equity (SA+CF) Median	2.33		-1.33		-1.33		8.33		2.17		7.40		7.96		5.00		
NCM Focused Growth International	10.56	(1)	14.02	(1)	14.02	(1)	15.96	(8)	10.21	(5)	12.50	(9)	N/A		11.61	(8)	11/01/2011
MSCI EAFE (Net) Index	3.68		1.08	(46)	1.08	(46)	9.11	(74)	2.25	(96)	7.31		6.90	(100)	6.23	(95)	
Difference	6.88		12.94		12.94		6.85		7.96		5.19		N/A		5.38		
IM International Growth Equity (SA+CF) Median	4.63		0.60		0.60		10.48		4.67		8.94		9.55		8.31		



Comparative Performance Trailing Returns

As of June 30, 2019

	Q	TR	FY	TD	1 \	(R	3 \	ſR	5`	YR	7	Y R	10	YR	Ince	otion	Inception Date
otal Fixed Income	2.09	(98)	5.75	(99)	5.75	(99)	4.60	(3)	4.74	(2)	4.25	(4)	5.23	(20)	5.47	(28)	03/01/2009
Total Fixed Income Policy	3.08	(69)	7.87	(79)	7.87	(79)	2.31	(88)	2.95	(89)	2.62	(92)	3.90	(93)	4.09	(93)	
Difference	-0.99		-2.12		-2.12		2.29		1.79		1.63		1.33		1.38		
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	n 3.14		8.11		8.11		2.80		3.29		3.10		4.61		5.02		
acific Fixed Income	3.11	(56)	7.85	(80)	7.85	(80)	2.77	(52)	3.16	(64)	3.00	(60)	4.14	(79)	5.40	(65)	06/01/1997
Blmbg. Barc. U.S. Aggregate Index	3.08	(69)	7.87	(79)	7.87	(79)	2.31	(88)	2.95	(89)	2.62	(92)	3.90	(93)	5.14	(92)	
Difference	0.03		-0.02		-0.02		0.46		0.21		0.38		0.24		0.26		
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	n 3.14		8.11		8.11		2.80		3.29		3.10		4.61		5.55		
empleton Global Bond R6 (FBNRX)	0.80	(100)	5.69	(69)	5.69	(69)	N/A		N/A		N/A		N/A		1.00	(100)	04/01/2017
Blmbg. Barc. Global Multiverse	3.31	(55)	6.01	(60)	6.01	(60)	1.95	(74)	1.35	(57)	1.79	(67)		(70)	4.44	(25)	
Difference	-2.51		-0.32		-0.32		N/A		N/A		N/A		N/A		-3.44		
IM Global Fixed Income (MF) Median	3.37		6.42		6.42		2.56		1.51		2.09		3.66		3.94		
otal Real Estate	1.34	(67)	6.17	(92)	6.17	(92)	7.24	(81)	9.42	(79)	9.23	(93)	N/A		5.49	(100)	01/01/2012
Total Real Estate Policy	1.51	(38)	6.51	(90)	6.51	(90)	6.89	(84)	8.83	(91)	9.43	(91)	9.25	(84)	9.54	(92)	
Difference	-0.17		-0.34		-0.34		0.35		0.59		-0.20		N/A		-4.05		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.47		7.59		7.59		8.43		10.69		11.23		10.60		11.28		
EW Core Property Trust	1.49	(42)	6.91	(84)	6.91	(84)	7.61	(78)	9.50	(78)	N/A		N/A		9.95	(86)	10/01/2012
NCREIF Fund Index-ODCE (VW)	1.00	(90)	6.41	(91)	6.41	(91)	7.57	(78)	9.76	(64)	10.52	(71)	9.88	(73)	10.49	(69)	
Difference	0.49		0.50		0.50		0.04		-0.26		N/A		N/A		-0.54		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.47		7.59		7.59		8.43		10.69		11.23		10.60		11.28		
otal Hedge Fund of Funds	2.28		2.89		2.89		5.24		N/A		N/A		N/A		2.61		08/01/2015
HFRI FOF: Diversified Index	1.68		1.80		1.80		4.11		2.20		3.65		3.28		1.70		
Difference	0.60		1.09		1.09		1.13		N/A		N/A		N/A		0.91		
lagnitude Institutional	2.37		3.88		3.88		4.82		N/A		N/A		N/A		3.44		08/01/2015
HFRI FOF: Diversified Index	1.68		1.80		1.80		4.11		2.20		3.65		3.28		1.70		
Difference	0.69		2.08		2.08		0.71		N/A		N/A		N/A		1.74		
itan Masters Int'l Fund	2.17		1.84		1.84		5.70		N/A		N/A		N/A		1.51		08/01/2015
HFRI FOF: Diversified Index	1.68		1.80		1.80		4.11		2.20		3.65		3.28		1.70		
Difference	0.49		0.04		0.04		1.59		N/A		N/A		N/A		-0.19		

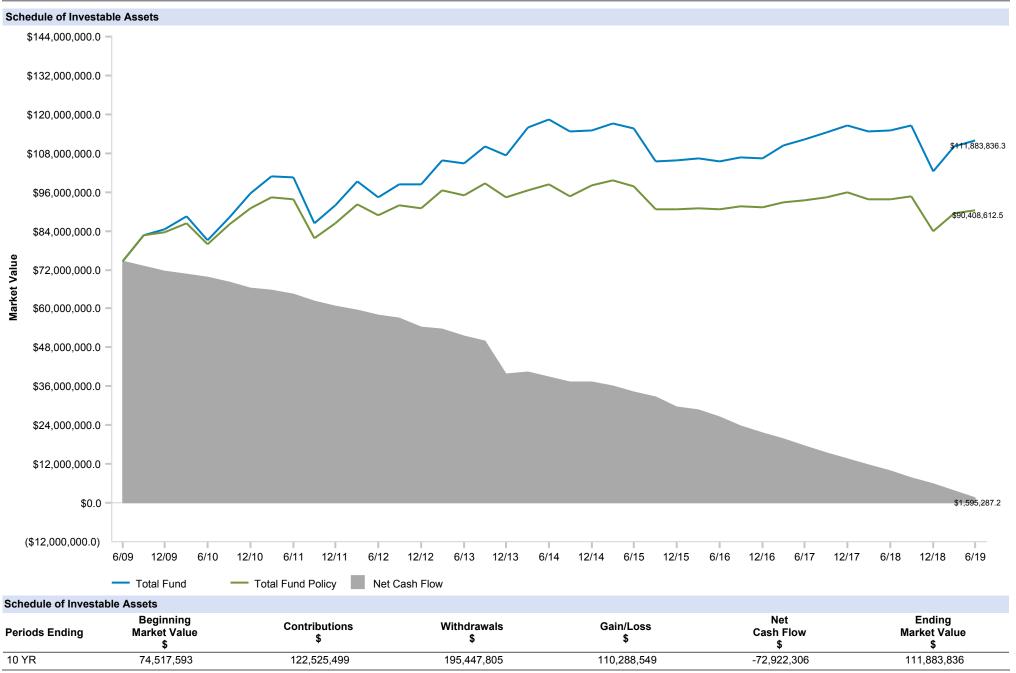


Comparative Performance - IRR

As of June 30, 2019

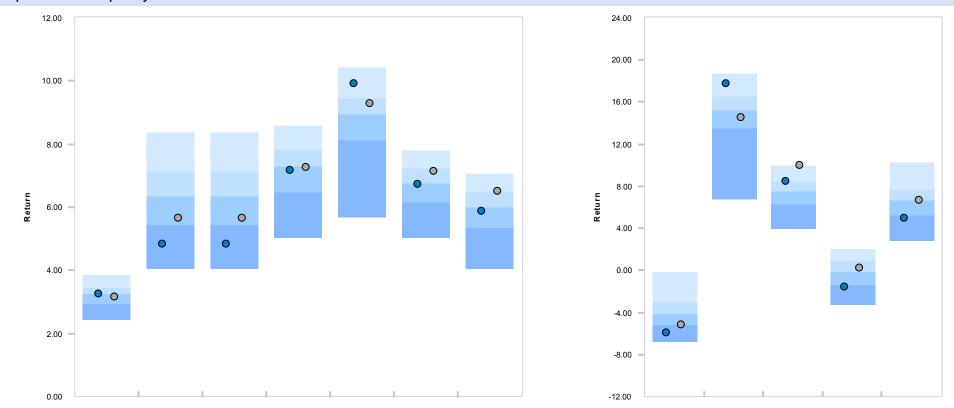
Comparative Performance - IRR								
	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	Since Inception Ending Jun-2019	Inception Date
Bloomfield Capital Income Fund II	9.90	-6.51	-6.51	5.52	N/A	N/A	7.51	12/22/2014
Bloomfield Capital Income Fund III	-0.72	4.08	4.08	N/A	N/A	N/A	8.19	12/31/2016
Bloomfield Capital Income Fund V	2.08	N/A	N/A	N/A	N/A	N/A	2.60	02/14/2019
Metropolitan Real Estate V	0.00	0.17	0.17	5.01	9.60	9.72	8.61	11/30/2011
RMK Timberland US Fund	0.00	9.05	9.05	6.06	2.72	N/A	4.09	10/31/2012
RMK Timberland Intl Fund	0.00	0.54	0.54	-8.08	-8.32	N/A	-7.19	11/21/2012





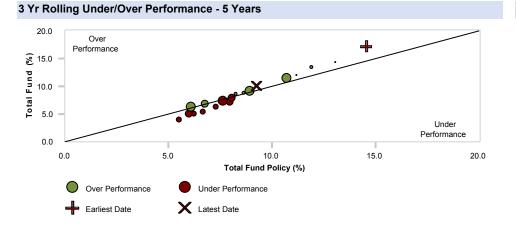


Plan Sponsor Peer Group Analysis - All Public Plans-Total Fund

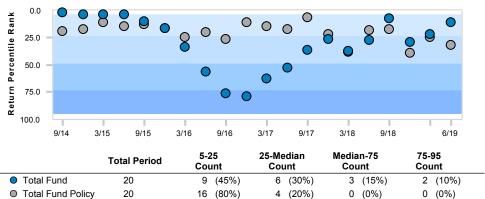


	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
Total Fund	3.24 (50)	4.83 (88)	4.83 (88)	7.17 (56)	9.92 (11)	6.73 (53)	5.88 (54)	Total Fund	-5.93 (87)	17.76 (10)	8.43 (26)	-1.58 (79)	4.92 (82)
Total Fund Policy	3.16 (58)	5.65 (72)	5.65 (72)	7.25 (52)	9.28 (32)	7.12 (29)	6.51 (26)	Total Fund Policy	-5.15 (75)	14.48 (63)	9.99 (5)	0.18 (42)	6.66 (50)
Median	3.24	6.35	6.35	7.29	8.93	6.77	5.99	Median	-4.15	15.22	7.47	-0.16	6.62
Comparative Perfor	mance												
		En	Qtr ding 2019		1 Qtr Ending ec-2018		1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018		1 Qtr Endir Mar-20	ng	E	l Qtr nding c-2017
Total Fund		9.67	' (14)	-10	0.30 (96)		3.22 (21)	1.79 (17)		-0.19	(41)	3.6	8 (46)
Total Fund Policy		9.57	' (16)	-9	9.38 (90)		3.13 (27)	2.06 (11)		-0.56	(65)	3.6	8 (47)
All Public Plans-Total	Fund Median	8.42	2	-7	7.55		2.58	1.03		-0.32		3.6	1

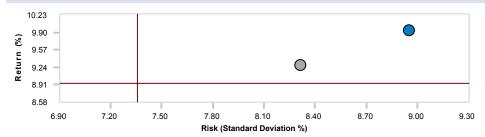




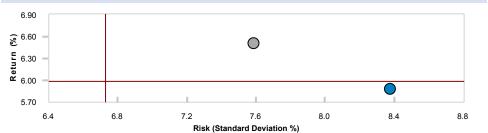
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



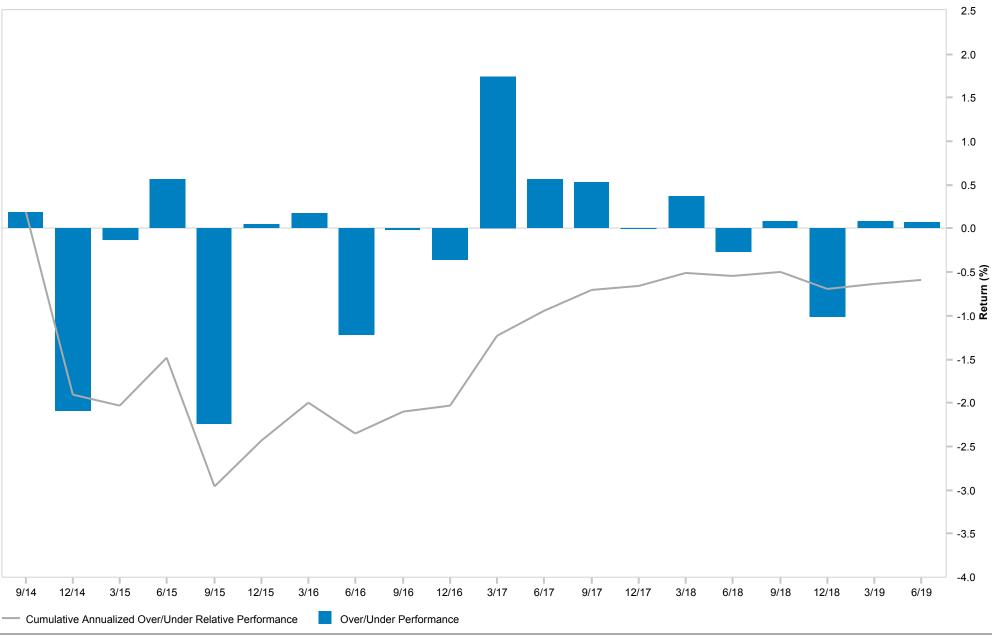
	Return	Standard Deviation		Return	Standard Deviation
Total Fund	9.92	8.96	Total Fund	5.88	8.38
Total Fund Policy	9.28	8.32	Total Fund Policy	6.51	7.59
Median	8.93	7.36	Median	5.99	6.73

Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.27	106.69	105.52	0.03	0.52	0.95	1.07	5.95
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	0.95	1.00	5.42
Historical Statistics	- 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.78	98.49	110.85	-1.08	-0.30	0.63	1.08	5.75
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	0.77	1.00	4.93









Comerica S&P 500 - Portfo	lio Description	Comerica S&P 500 - Strategy Details
 Strategy: Vehicle: Objective: Annual fees: Benchmark: 	S&P 500 Index Fund Commingled Fund To replicate the S&P 500 .10% on first \$5M .08% on next \$20M .06% on next \$25M S&P 500 Index	The 500 IndexStrategy seeks to provide investment results generally corresponding to the aggregate price and dividend performance of the publicly traded common stocks in the large- capitalization sector of the U.S. equity market. The fund pursues this objective by investing primarily in the 500 common stocks that compose the S&P 500 Index.
Champlain MidCap Equity	- Portfolio Description	Champlian MidCap Equity - Strategy Details

enamplain indeap Equity		enamphan maeup zquity enalegy betalle
Strategy:	Mid Cap Equity	Champlain's mid cap strategy invests in a broadly diversified portfolio of approximately 50 to 75 common stocks of medium sized companies, and to a lesser extent small and large sized companies, which have
Vehicle:	Separately Managed Account	attractive long-term fundamentals, appreciation potential, and valuations. They believe that investing in companies with sustainable competitive advantages, durable business models, sound balance sheets, credible and sincere management, and that are trading at valuations deemed reasonable by the team.
Objective:	To outperform the Russell Midcap Index	can, over time, provide attractive returns with less risk than the overall market. Their investment processes are focused on absolute returns and avoiding large losses, which they believe is critical to
Annual fees:	.85% on first \$50MM .75% on next \$50MM .65% over \$100M	wealth creation.
Benchmark:	Russell Midcap Index	

QMA Midcap Equity - F	Portfolio Description	QMA Midcap Equity - Strategy Details
Strategy:	US Mid Cap Fore Equity	At QMA, they believe that an adaptive, bottom-up, systematic investment process based on fundamental insights is the most efficient way to exploit market inefficiencies and add value. On a daily basis they assess the relative attractiveness of their universe, scoring stocks according to fundamentals most
Vehicle:	Commingled Account	relevant to their growth characteristics-more emphasis on valuation for slowly growing companies and indicators of future growth prospects for faster growing companies. These scores form the basis of the
Objective:	To outperform the Russell Midcap Index	construction process whereby they focus risk on a breadth of exposures most likely to produce alpha and limit exposures to uncompensated off-benchmark risk. Rebalancing is done with experienced judgment to
Annual fees:	.45% on first \$50MM .40% over \$50M	maintain desired portfolio alpha exposures and risk limits and with careful attention to trading costs.
Benchmark:	Russell Midcap Index	



SouthernSun Smallcap Equ	ity - Portfolio Description	SouthernSun Smallcap Equity - Strategy Details
Strategy:Vehicle:Objective:	Small Cap Separately Managed Account To outperform the Russell 2000 Index	The Small Cap strategy targets companies with market caps of \$500 million to \$3.5 billion at time of initial purchase. While idea generation may come from traditional screening, new names are often sourced through research on existing portfolio holdings, industry trade publications, and industry conferences. The Investment Team relies almost solely on internally conducted research for idea generation. This strategy is generally closed to new investors.
Annual fees:Benchmark:	1.00% on first \$15M 0.85% over \$15M Russell 2000 Index	

Walthausen SMID Value Ed	quity - Portfolio Description	Walthausen SMID Value Equity - Strategy Details
Strategy:	Select Value (SMID)	This portfolio is constructed to provide strong returns with moderate volatility. It incorporates 40-50 equally weighted holdings, broadly diversified across industry sectors. Positions are reduced when they begin to exceed 3.0% of the portfolio. Companies included in the portfolio have a market capitalization
Vehicle:	Separately Managed Account	between \$700 million and \$7.0 billion. The majority (about 80%) of the portfolio is with companies which
Objective:	To outperform the Russell 2500 Index	have consistently high returns on capital, ample free cash flow, well proven management and sell at moderate valuations. Many of these stocks are frequently too dull to attract much "Wall Street" attention and thus have carried low valuations and lower volatility. The remaining 20% of the fund is invested in
Annual fees:	1.00% of Assets	"Special Situations." For these stocks a focused approach is utilized to find 8-10 names with unusual potential returns. The goal is for both parts of the strategy to outperform over the market cycle, and to
Benchmark:	Russell 2500 Index	deliver annualized returns 200 basis points above the Russell 2500 Value index.

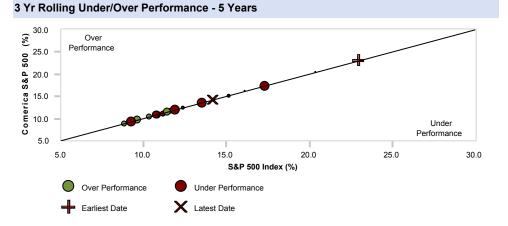
Great Lakes SMID Equ	ity - Portfolio Description	Great Lakes SMID Equity - Strategy Details
• Strategy:	Smid Cap	The Disciplined Equity SMidCap strategy seeks to outperform the benchmark over time through superior stock selection while maintaining similar risk characteristics. Use a "bottom up" systematic process to
• Vehicle:	Separately Managed Account	evaluate the universe of stocks using three independent analyses, each of which is designed to provide a unique valuation perspective: Broad Universe Analysis (Evaluates each stock relative to all other
Objective:	To outperform the Russell 2500 Index	stocks in the investment universe), Style-Specific Analysis (Evaluates each stock relative to its peers with the same combined market capitalization and style profile, Sector-Specific Analysis (Evaluates each stock relative to all other stocks in the same economic sector).
Annual fees:	55 bps	
Benchmark:	Russell 2500 Index	



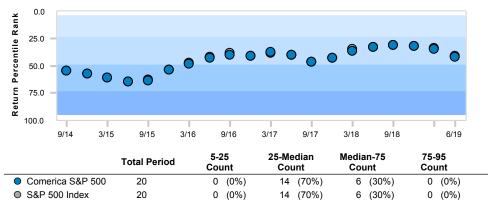


	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
Comerica S&P 500	4.31 (48)	10.44 (33)	10.44 (33)	12.37 (40)	14.17 (42)	11.55 (28)	10.71 (40)	Comerica S&P 500	-4.35 (36)	21.80 (51)	11.94 (34)	1.44 (50)	13.66 (45)
S&P 500 Index	4.30 (49)	10.42 (34)	10.42 (34)	12.38 (40)	14.19 (41)	11.55 (27)	10.71 (40)	S&P 500 Index	-4.38 (37)	21.83 (50)	11.96 (34)	1.38 (52)	13.69 (44)
Median	4.23	8.85	8.85	11.64	13.70	10.62	10.31	Median	-5.20	21.83	10.52	1.43	13.42
Comparative Perform	ance												
			1 Qtr Ending Mar-20	g	1 Qtr Endin Dec-20	ng	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-201	J	En	Qtr ding -2018		1 Qtr Ending Jec-2017
Comerica S&P 500			13.60 ((42)	-13.47	(41)	7.70 (35)	3.43 (35)	-0.77	(66)	6	.63 (53)
S&P 500 Index			13.65 ((39)	-13.52	(44)	7.71 (34)	3.43 (33)	-0.76	õ (64)	6	.64 (51)
IM U.S. Large Cap Core	Equity (SA+C	F) Median	13.25		-13.83		7.15	2.90		-0.44	k i i i i i i i i i i i i i i i i i i i	6	.66

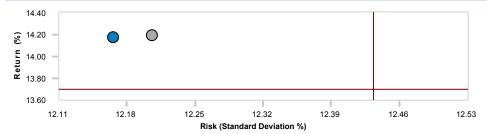




3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



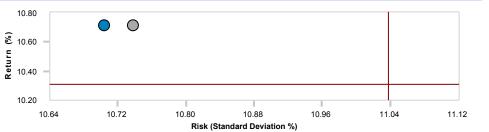
Return

14.17

14.19

13.70

Peer Group Scattergram - 5 Years



Standard Deviation		Return	Standard Deviation
12.17	Comerica S&P 500	10.71	10.70
12.21	S&P 500 Index	10.71	10.74
12.43	Median	10.31	11.04

Historical Statistics - 3 Years

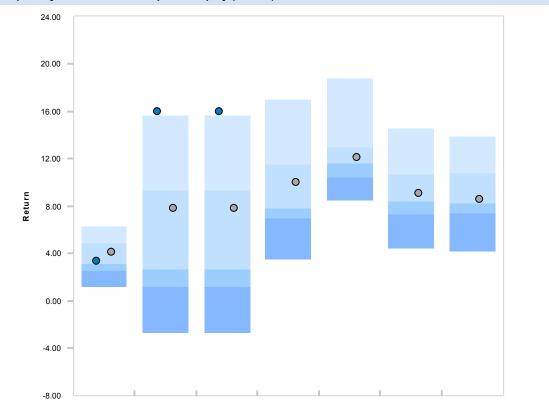
Comerica S&P 500

S&P 500 Index

___ Median

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Comerica S&P 500	0.05	99.82	99.79	0.02	-0.47	1.06	1.00	7.97
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	1.06	1.00	8.00
Historical Statistics	- 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Comerica S&P 500	0.04	99.90	99.84	0.02	-0.11	0.85	1.00	7.48
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	0.85	1.00	7.49

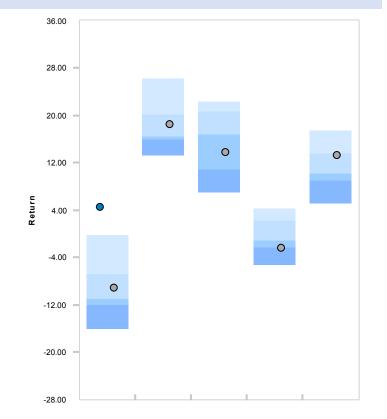




- - --

- - --

Peer Group Analysis - IM U.S. Mid Cap Core Equity (SA+CF)



- - - -

- - - -

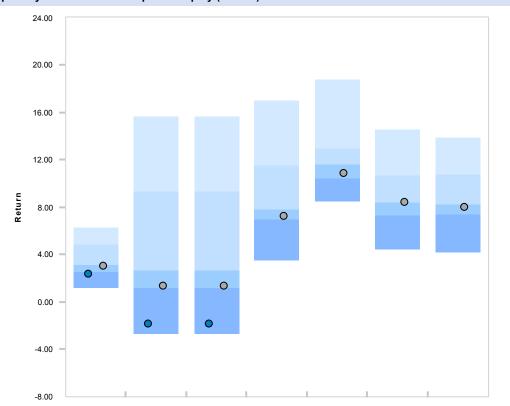
- - - -

QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
3.34 (43)	15.96 (4)	15.96 (4)	N/A	N/A	N/A	N/A	Champlain MC Equity	4.54 (2)	N/A	N/A	N/A	N/A
4.13 (35)	7.83 (35)	7.83 (35)	10.05 (34)	12.16 (36)	9.14 (41)	8.63 (42)	Russell Midcap Index	-9.06 (35) 18.52 (34)	13.80 (61)	-2.44 (82)	13.22 (28)
3.10	2.67	2.67	7.82	11.58	8.46	8.24	Median	-10.99	16.49	16.80	-0.98	10.25
nce												
		1 Qtr Ending Mar-2019		1 Qtr Ending Dec-2018	ł	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018		Endi	ng	E	1 Qtr Ending ec-2017
		16.90 (20))	-11.50 (4))	8.46 (2)	3.95 (43)	4.77	(6)	6.	35 (45)
		16.54 (30))	-15.37 (28	3)	5.00 (37)	2.82 (58)	-0.46	(41)	6.	07 (68)
ity (SA+CE) M	ledian	14.65		-17.09		4.50	3.58		-0.76		6	27
	3.34 (43) 4.13 (35) 3.10	3.34 (43) 15.96 (4) 4.13 (35) 7.83 (35) 3.10 2.67	3.34 (43) 15.96 (4) 15.96 (4) 4.13 (35) 7.83 (35) 7.83 (35) 3.10 2.67 2.67 Ince 1 Qtr Ending Mar-2019 16.90 (20 16.54	3.34 (43) 15.96 (4) 15.96 (4) N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 3.10 2.67 2.67 7.82 I Qtr Ending Mar-2019 16.90 (20) 16.54 (30)	3.34 (43) 15.96 (4) 15.96 (4) N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 3.10 2.67 2.67 7.82 11.58 Ince Inconstructententententententententententententent	3.34 (43) 15.96 (4) 15.96 (4) N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 3.10 2.67 2.67 7.82 11.58 8.46 Ince Ince	3.34 (43) 15.96 (4) 15.96 (4) N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) 3.10 2.67 2.67 7.82 11.58 8.46 8.24 Ince Ince I Qtr 1 Qtr Ending Ending Ending Sep-2018 Mar-2019 Dec-2018 Sep-2018 Sep-2018 Sep-2018 Sep-2018 16.90 (20) -11.50 (4) 8.46 (2) 16.54 (30) -15.37 (28) 5.00 (37)	3.34 (43) 15.96 (4) N/A N/A N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42)	3.34 (43) 15.96 (4) N/A N/A N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) Champlain MC Equity 4.54 (2) (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) Russell Midcap Index -9.06 (35) 3.10 2.67 2.67 7.82 11.58 8.46 8.24 Median -10.99 10.99 <td>3.34 (43) 15.96 (4) N/A N/A N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) Image: Champlain MC Equity 4.54 (2) N/A 3.10 2.67 2.67 7.82 11.58 8.46 8.24 Median -10.99 16.49 nce 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Ending Ending Mar-2018 Mar-2 10.90 10.91 4.77 10.95 4.30 4.77 16.54 (30) -15.37 (28) 5.00 (37) 2.82 (58) -0.46</td> <td>3.34 (43) 15.96 (4) N/A N/A N/A N/A N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) Image: Champlain MC Equity 4.54 (2) N/A N/A 3.10 2.67 2.67 7.82 11.58 8.46 8.24 Median -10.99 16.49 16.80 Ince 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Mar-2018 Mar-2019 0.20.20.11.50 -11.50 (4) 8.46 (2) 3.95 (43) 4.77 (6) 16.54 (30) -15.37 (28) 5.00 (37) 2.82 (58) -0.46 (41)</td> <td>3.34 (43) 15.96 (4) N/A <</td>	3.34 (43) 15.96 (4) N/A N/A N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) Image: Champlain MC Equity 4.54 (2) N/A 3.10 2.67 2.67 7.82 11.58 8.46 8.24 Median -10.99 16.49 nce 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Ending Ending Mar-2018 Mar-2 10.90 10.91 4.77 10.95 4.30 4.77 16.54 (30) -15.37 (28) 5.00 (37) 2.82 (58) -0.46	3.34 (43) 15.96 (4) N/A N/A N/A N/A N/A N/A N/A N/A 4.13 (35) 7.83 (35) 7.83 (35) 10.05 (34) 12.16 (36) 9.14 (41) 8.63 (42) Image: Champlain MC Equity 4.54 (2) N/A N/A 3.10 2.67 2.67 7.82 11.58 8.46 8.24 Median -10.99 16.49 16.80 Ince 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Mar-2018 Mar-2019 0.20.20.11.50 -11.50 (4) 8.46 (2) 3.95 (43) 4.77 (6) 16.54 (30) -15.37 (28) 5.00 (37) 2.82 (58) -0.46 (41)	3.34 (43) 15.96 (4) N/A <

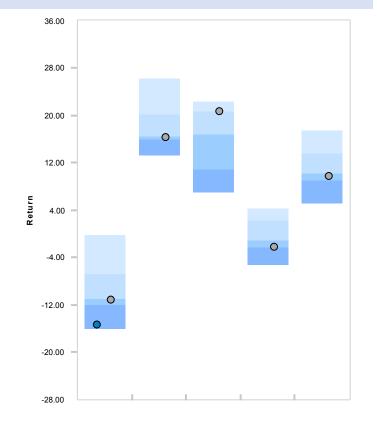
- - - -

.



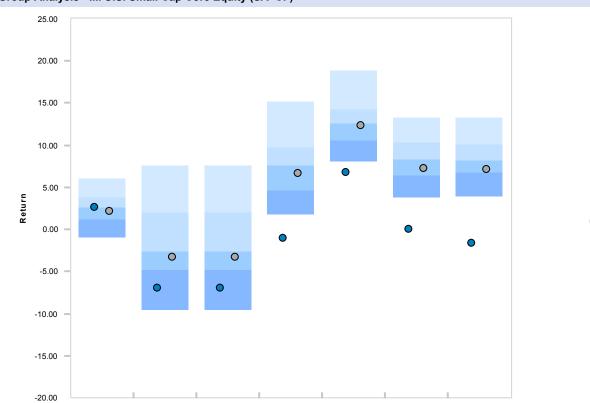


Peer Group Analysis - IM U.S. Mid Cap Core Equity (SA+CF)

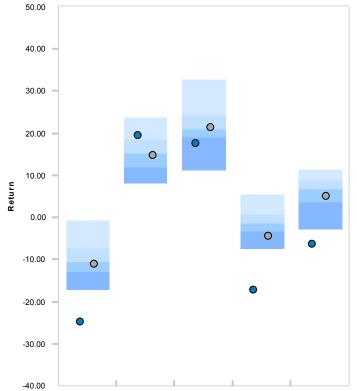


	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
QMA US MC Equity	2.33 (76)	-1.83 (92)	-1.83 (92)	N/A	N/A	N/A	N/A	QMA US MC Equity	·15.29 (92	2) N/A	N/A	N/A	N/A
S&P MidCap 400 Index	3.05 (64)	1.36 (72)	1.36 (72)	7.26 (73)	10.90 (69)	8.43 (60)	8.02 (71)	S&P MidCap 400 Index	-11.08 (62	2) 16.24 (67)	20.74 (25)	-2.18 (74)	9.77 (66)
Median	3.10	2.67	2.67	7.82	11.58	8.46	8.24	Median	-10.99	16.49	16.80	-0.98	10.25
Comparative Performane	ce												
			1 Qtr Ending Mar-2019		1 Qtr Ending Dec-2018		1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018		1 Qtr Endin Mar-20	g	E	1 Qtr inding ec-2017
QMA US MC Equity			14.44 (68)		-18.37 (85	5)	2.69 (95)	2.16 (78)		-1.08	(68)	6.1	18 (66)
S&P MidCap 400 Index			14.49 (58)		-17.28 (67	.)	3.86 (69)	4.29 (24)		-0.77	(56)	6.2	25 (60)
IM U.S. Mid Cap Core Equit	y (SA+CF) Me	edian	14.65		-17.09		4.50	3.58		-0.76		6.2	27





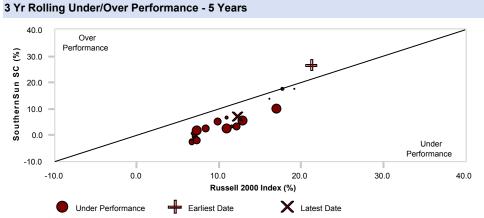




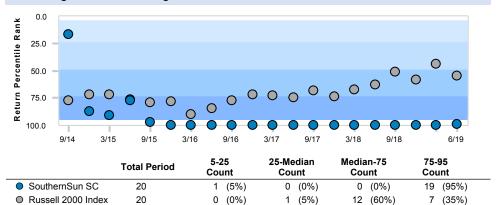
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
SouthernSun SC	2.62 (51)	-6.95 (85)	-6.95 (85)	-1.10 (100)	6.76 (99)	0.04 (100)	-1.65 (100)	SouthernSun SC	-24.95 (100)	19.53 (21)	17.63 (83)	-17.16 (100)	-6.30 (99)
Russell 2000 Index	2.10 (61)	-3.31 (57)	-3.31 (57)	6.62 (62)	12.30 (55)	7.21 (67)	7.06 (73)	Russell 2000 Index	: -11.01 (55)	14.65 (56)	21.31 (47)	-4.41 (82)	4.89 (66)
Median	2.63	-2.54	-2.54	7.54	12.56	8.33	8.22	Median	-10.69	15.13	20.77	-1.35	6.72
Comparative Perform	ance												
			1 Qtr Ending Mar-201	g	1 Qtr Ending Dec-207	9	1 Qtr Ending Sep-2018	1 Qt Endir Jun-2	ng	En	Qtr ding -2018		1 Qtr Ending ec-2017
SouthernSun SC			17.27 ((15)	-21.91 (90)	-0.99 (99)	3.41	(97)	-6.14	(100)	1.	52 (94)
Russell 2000 Index			14.58 ((43)	-20.20 (62)	3.58 (62)	7.75	(30)	-0.08	(51)	3.	34 (58)
IM U.S. Small Cap Core	Equity (SA+C	F) Median	14.15		-19.75		3.97	6.83		-0.07		3.4	49



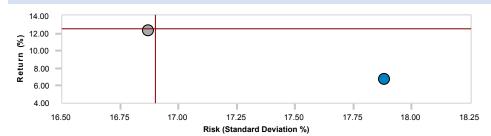
Performance Review SouthernSun SC As of June 30, 2019



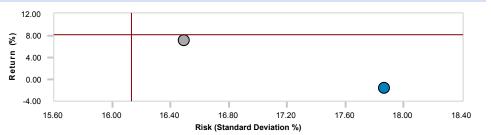
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years

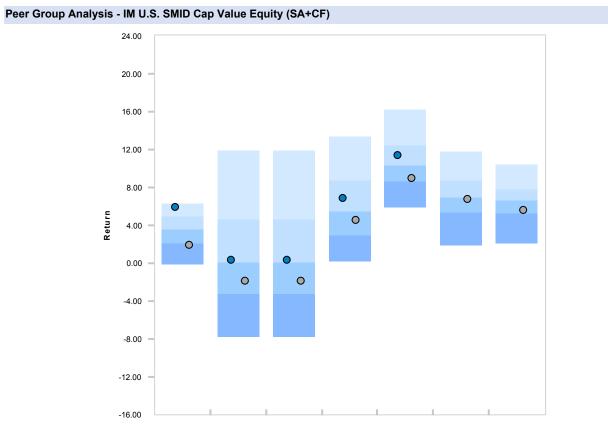


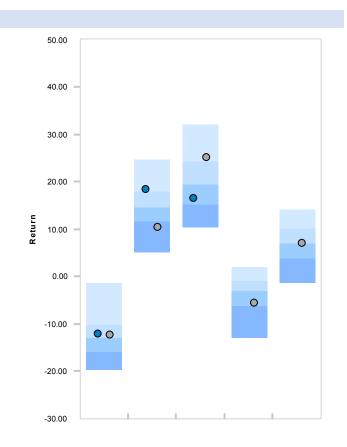
	Return	Standard Deviation		Return	Standard Deviation
SouthernSun SC	6.76	17.88	SouthernSun SC	-1.65	17.87
Russell 2000 Index	12.30	16.87	Russell 2000 Index	7.06	16.49
Median	12.56	16.90	Median	8.22	16.13

Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
SouthernSun SC	6.57	85.87	105.34	-4.64	-0.75	0.38	0.99	12.31
Russell 2000 Index	0.00	100.00	100.00	0.00	N/A	0.69	1.00	11.15
Historical Statistics -	5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
SouthernSun SC	8.10	76.90	111.76	-7.71	-1.02	-0.05	0.97	12.72
Russell 2000 Index	0.00	100.00	100.00	0.00	N/A	0.45	1.00	11.23



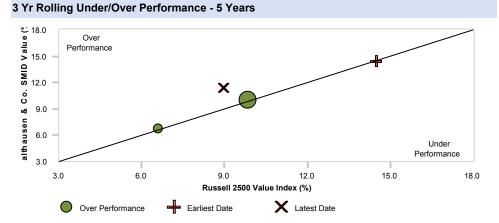




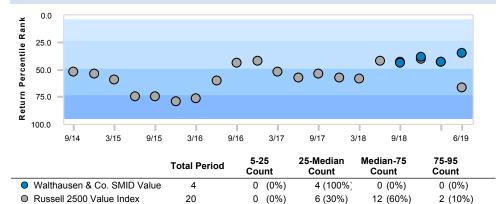
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
Walthausen & Co. SMID Value	5.87 (6)	0.28 (46)	0.28 (46)	6.86 (34)	11.33 (35)	N/A	N/A	Walthausen & Co. SMID Value	12.04 (39)	18.43 (20)	16.63 (68)	N/A	N/A
Russell 2500 Value Index	1.89 (79)	-1.92 (62)	-1.92 (62)	4.57 (60)	8.98 (66)	6.72 (51)	5.55 (73)	Russell 2500 Value Index	12.36 (42)	10.36 (84)	25.20 (24)	-5.49 (67)	7.11 (50)
Median	3.53	0.10	0.10	5.47	10.32	6.90	6.62	Median	12.97	14.60	19.46	-3.14	7.06
Comparative Performance													
			1 Qtr Ending Mar-2019		1 Qtr Ending Dec-2018		1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018		1 Qtr Ending Mar-2018		En	Qtr ding -2017
Walthausen & Co. SMID Value		1	1.83 (87)		-17.80 (61)	3.05 (47)	4.62 (25)		-0.75 (35)		5.08	(49)
Russell 2500 Value Index		1:	3.12 (66)		-17.12 (41)	2.67 (53)	5.80 (15)		-2.65 (81)		4.25	(65)
IM U.S. SMID Cap Value Equity (SA	A+CF) Mediar	n 10	3.87		-17.49		2.87	3.14		-1.36		4.96	



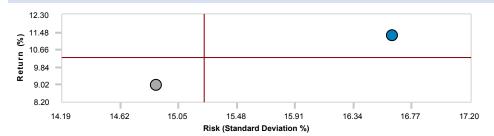
Performance Review Walthausen & Co. SMID Value As of June 30, 2019



3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



	Return	Standard Deviation		Return	Standard Deviation
Walthausen & Co. SMID Value	11.33	16.63	Walthausen & Co. SMID Value	N/A	N/A
Russell 2500 Value Index	8.98	14.89	Russell 2500 Value Index	5.55	14.32
Median	10.32	15.24	Median	6.62	14.77

Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Walthausen & Co. SMID Value	4.14	111.26	101.93	1.61	0.59	0.65	1.08	10.74
Russell 2500 Value Index	0.00	100.00	100.00	0.00	N/A	0.56	1.00	9.96

Historical Statistics - 5 Years

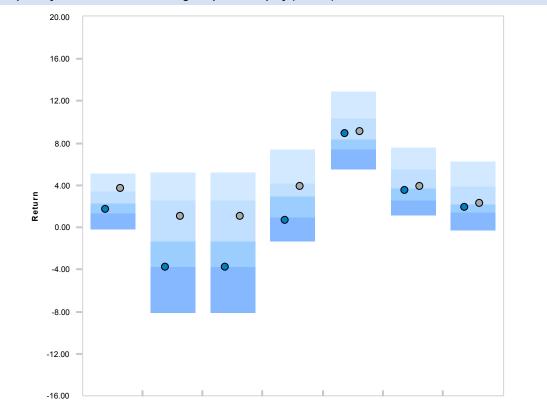
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Walthausen & Co. SMID Value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Value Index	0.00	100.00	100.00	0.00	N/A	0.39	1.00	9.61



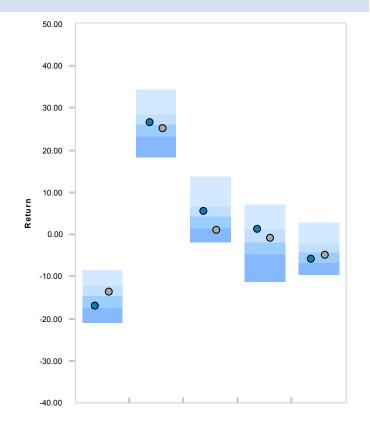
LSV International - Portfe	olio Description	LSV International - Strategy Details
Strategy:	International Large Cap Value Equity	The International Large Cap Value Equity strategy's primary emphasis is the use of quantitative techniques to select individual securities in what would be considered a bottom-up approach. A risk
Vehicle:	Commingled Fund	control discipline limits the over- or under-exposure of the portfolio to industry concentrations. Value factors and security selection dominate sector/industry factors as explanators of performance. The
Objective:	To outperform the MSCI EAFE Index	portfolio decision making process is strictly quantitative and driven by (1) a proprietary model which ranks securities based on fundamental measures of value and indicators of near-term appreciation potential and, (2) a risk control process that controls for residual benchmark risk while maximizing the expected
 Annual fees: 	.75% on first \$25M .65% on next \$25M	return of the portfolio. There is no subjective modification applied to the results of the process. This leads to a high degree of consistency in the practical application of our investment philosophy.
Benchmark:	MSCI EAFE Index	

WCM Intl Growth - Portfoli	o Description	WCM Intl Growth - Strategy Details
• Strategy:	Focused Growth International	This is a concentrated, large cap, quality, international growth product. They are distinct from the broad international indices with a traditional growth bias, seeking select quality growth businesses from
Vehicle:	Separately Managed Account	conventional growth sectors. That combined with a concentrated focus (between 25-40) means the product will have investment characteristics distinct from any broad international benchmark. The product
Objective:	To outperform the MSCI EAFE Index	includes mega-, large- and mid-cap international shares from developed and emerging markets. The investment process includes top-down thematic analysis and bottom-up fundamental stock selection. They focus on each company's business model (economic moat), corporate culture, management, and
Annual fees:	1.00% on all assets	valuation (using conservative DCF models). Currency hedging is not utilized in this strategy but careful attention is paid to region, country, and currency exposures. The projected annual turnover is 15-35%,
Benchmark:	MSCI EAFE Index	suggesting tax efficiency for tax-sensitive clients.





Peer Group Analysis - IM International Large Cap Value Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		201	8 2017	2016	2015	2014
LSV International LCV	1.73 (60)	-3.78 (76)	-3.78 (76)	0.71 (79)	8.91 (40)	3.49 (59)	1.91 (60)	LSV International LC	V ·16.98	(72) 26.52 (44) 5.49 (35)	1.32 (24)	-5.80 (66)
MSCI EAFE (Net) Index	3.68 (19)	1.08 (35)	1.08 (35)	3.92 (30)	9.11 (38)	3.93 (47)	2.25 (49)	MSCI EAFE (Net) Ind	dex ·13.79	(42) 25.03 (58	6) 1.00 (81)	-0.81 (39)	-4.90 (60)
Median	2.33	-1.33	-1.33	2.94	8.33	3.69	2.17	Median	14.71	26.02	4.19	-1.97	-4.26
Comparative Performance	e												
			E	1 Qtr Ending ar-2019		1 Qtr Ending ec-2018	1 Qt Endir Sep-20	ng En	Qtr ding -2018	Er	Qtr nding r-2018		1 Qtr Ending Dec-2017
LSV International LCV			8.	28 (83)	-14	1.19 (76)	1.80	(22) -3.84	(85)	-1.1	6 (48)	3	.38 (74)
MSCI EAFE (Net) Index			9.	98 (39)	-12	2.54 (47)	1.35	(34) -1.24	(21)	-1.5	3 (62)	4	.23 (51)
IM International Large Cap V	alue Equity (S	SA+CF) Mediar	n 9.4	44	-12	2.88	0.88	-2.19	1	-1.2	6	4	.27



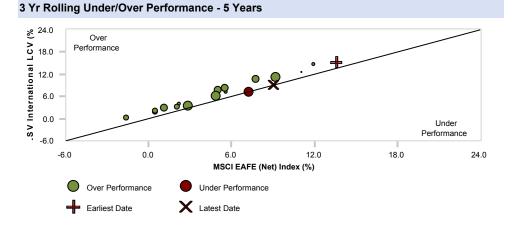
Standard

Deviation

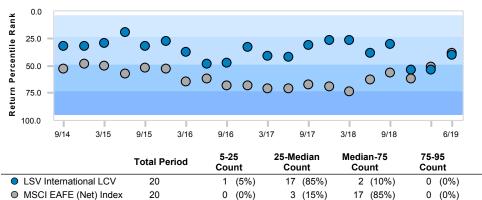
13.28

12.18

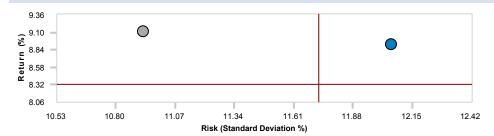
12.56



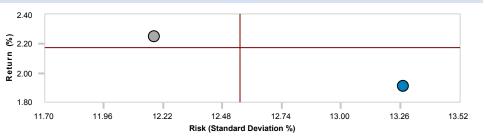
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



Return	Standard Deviation		Return	
8.91	12.06	LSV International LCV	1.91	
9.11	10.92	MSCI EAFE (Net) Index	2.25	
8.33	11.72	Median	2.17	

Historical Statistics - 3 Years

LSV International LCV

___ Median

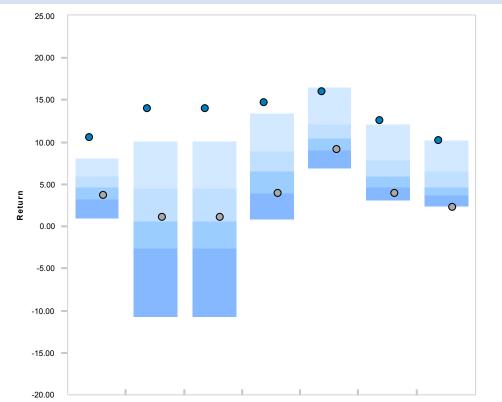
MSCI EAFE (Net) Index

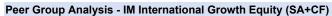
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
LSV International LCV	2.98	104.00	107.76	-0.72	-0.02	0.65	1.07	8.06
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.73	1.00	7.12

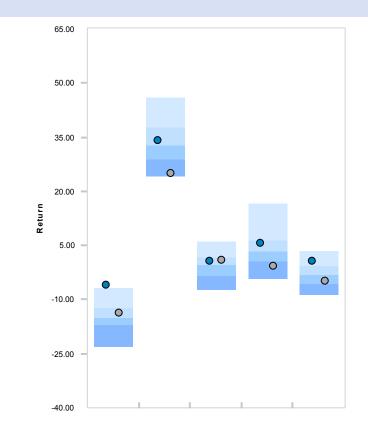
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
LSV International LCV	2.81	103.22	105.07	-0.39	-0.07	0.14	1.07	9.11
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.17	1.00	8.33







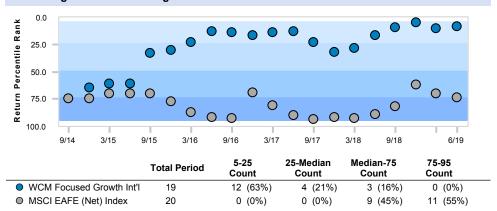


	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		201	8 2017	2016	20	15	2014
WCM Focused Growth Int'l	10.56 (1)	14.02 (1)	14.02 (1)	14.64 (3)	15.96 (8)	12.54 (4)	10.21 (5)	WCM Focused Growth Int'l	-5.96	(4) 33.97 (4	3) 0.70 (89) 5.67	(31) 0.	.67 (17
MSCI EAFE (Net) Index	3.68 (69)	1.08 (46)	1.08 (46)	3.92 (76)	9.11 (74)	3.93 (87)	2.25 (96)	MSCI EAFE (Net) Index	13.79	(40) 25.03 (9	3) 1.00 (3	33) -0.81	(86) -4.	.90 (66
Median	4.63	0.60	0.60	6.49	10.48	5.91	4.67	Median	15.06	32.62	-0.45	3.28	-3.	.31
Comparative Performance														
			1 Qtr Ending Mar-2019		1 Qtr Ending Dec-2018	\$	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018		1 Qt Endir Mar-20	ıg		1 Qt Endii Dec-20	ng
WCM Focused Growth Int'l			14.15 (24)		-12.86 (30	0)	3.68 (3)	2.70 (9)		1.35	(28)		5.20	(54)
MSCI EAFE (Net) Index			9.98 (92)		-12.54 (28	8)	1.35 (35)	-1.24 (58)		-1.53	(85)		4.23	(73)
IM International Growth Equity	(SA+CF) Med	lian	12.26		-14.82		0.45	-1.00		0.18			5.27	



A CM Focused Growth Int'l (%) 18.0 0.0 0.0 -0.0 Over Performance 8° °© °° × 0 Under Performance 12.0 0.0 6.0 18.0 -6.0 24.0 MSCI EAFE (Net) Index (%) X Latest Date \bigcirc Over Performance Earliest Date

3 Yr Rolling Percentile Ranking - 5 Years



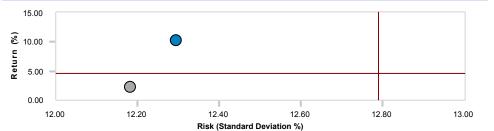
Peer Group Scattergram - 3 Years

3 Yr Rolling Under/Over Performance - 5 Years



	Return	Standard Deviation
WCM Focused Growth Int'l	15.96	11.74
MSCI EAFE (Net) Index	9.11	10.92
Median	10.48	12.56

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
WCM Focused Growth Int'l	10.21	12.29
MSCI EAFE (Net) Index	2.25	12.18
Median	4.67	12.79

Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
WCM Focused Growth Int'l	5.72	107.94	58.96	7.02	1.09	1.21	0.94	7.49
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.73	1.00	7.12

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
WCM Focused Growth Int'l	5.78	101.71	53.69	8.15	1.31	0.79	0.90	7.80
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.17	1.00	8.33

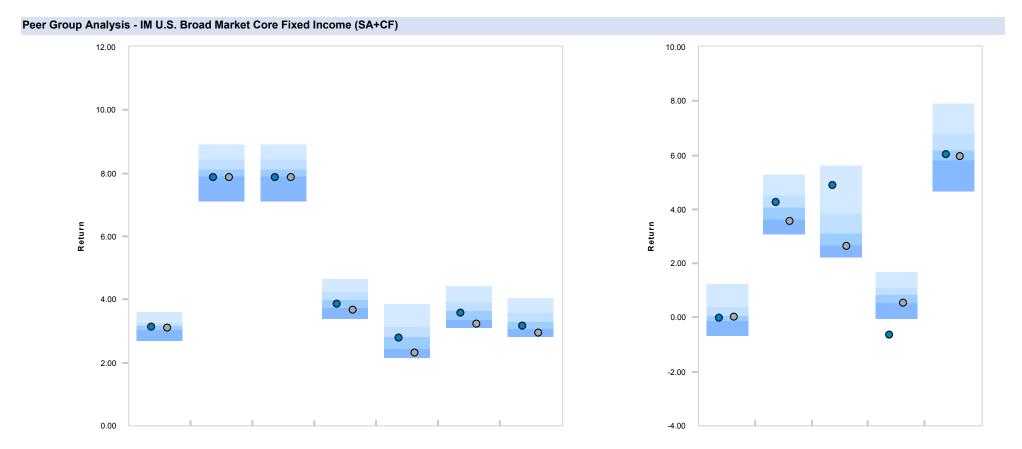


Page Intentionally Left Blank



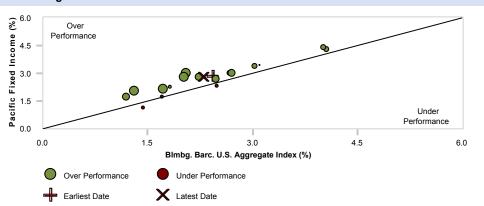
Pacific Moderate Duration	Portfolio Description	Pacific Moderate Duration - Strategy Details				
Strategy:	Moderate Duration	The Moderate Duration product is a core bond strategy that seeks to outperform the Barclays Capital Aggregate Index on both an absolute and risk-adjusted basis over a full market cycle. The Moderate				
Vehicle:	Separately Managed Account	Duration product invests in U.S. Government securities, mortgage-backed securities, corporate debt securities and asset-backed securities. The product maintains duration of between 3.0 to 7.0 years and				
Objective:	To outperform the Bloomberg Barclays US Aggregate Index	generally within one year of the index.				
Annual fees:	.30% on all assets					
Benchmark:	Bloomberg Barclays US Aggregate Index					





	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		2018	2017	2016	2015	2014
Pacific Fixed Income	3.11 (56)	7.85 (80)	7.85 (80)	3.85 (62)	2.77 (52)	3.56 (55)	3.16 (64)	Pacific Fixed Income	-0.01 (66)	4.24 (35)	4.86 (9)	-0.65 (98)	6.02 (63)
Blmbg Barc US Agg	3.08 (69)	7.87 (79)	7.87 (79)	3.65 (85)	2.31 (88)	3.22 (89)	2.95 (89)	Blmbg Barc US Agg	0.01 (61)	3.54 (85)	2.65 (77)	0.55 (74)	5.97 (67)
Median	3.14	8.11	8.11	3.97	2.80	3.63	3.29	Median	0.07	4.06	3.11	0.82	6.16
Comparative Performa	ince												
				1 Qtr Ending Mar-2019		1 Qtr Ending Dec-2018	Er	nding End	Qtr Jing 2018	E	Qtr nding r-2018		1 Qtr Ending Jec-2017
Pacific Fixed Income				2.90 (85)		1.59 (32)	0.06	6 (74) -0.22	(88)	-1.4	2 (60)	0	.64 (20)
Blmbg. Barc. U.S. Aggreg	ate Index			2.94 (83)		1.64 (23)	0.02	2 (83) -0.16	(73)	-1.4	6 (68)	0	.39 (80)
IM U.S. Broad Market Co	re Fixed Incom	ne (SA+CF) Me	dian	3.22		1.40	0.18	8 -0.09	1	-1.3	7	0	.51



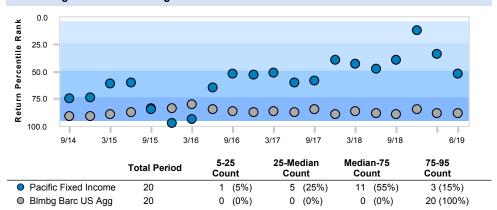


3 Yr Rolling Under/Over Performance - 5 Years

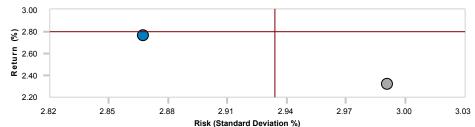
3 Yr Rolling Percentile Ranking - 5 Years

Peer Group Scattergram - 5 Years

2.86



Peer Group Scattergram - 3 Years



Return

2.77

2.31

2.80

ື້ 3.20 – ເ

Standard

Deviation

2.87

2.99

2.93

3.40

2.80

2.84

2.88 2.90 Risk (Standard Deviation %) 2.92

2.94

	Return	Standard Deviation
Pacific Fixed Income	3.16	2.95
Blmbg Barc US Agg	2.95	2.91
Median	3.29	2.88

Historical Statistics - 3 Years

Pacific Fixed Income

Blmbg Barc US Agg

___ Median

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Pacific Fixed Income	0.30	101.31	86.97	0.54	1.48	0.51	0.95	1.72
Blmbg. Barc. U.S. Aggregate Index	0.00	100.00	100.00	0.00	N/A	0.34	1.00	1.85

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Pacific Fixed Income	0.95	102.55	97.45	0.33	0.22	0.80	0.96	1.60
Blmbg. Barc. U.S. Aggregate Index	0.00	100.00	100.00	0.00	N/A	0.73	1.00	1.63



2.96

AEW Core Property - Portfolio Description

AEW Core Property - Strategy Details

Strategy:Core Property TrustVehicle:Open Ended Commingled Real Estate FundObjective:To outperform the NCREIF ODCE IndexAnnual fees:1.10% on all assetsBenchmark:NCREIF ODCE Index

The AEW Core Property Trust combines research-driven strategies with on-the-ground market knowledge and experience to construct a diversified portfolio of multifamily, retail, office, industrial and, to a lesser extent, hotel properties. The Fund seeks to acquire primarily well-located, institutional-quality assets in markets throughout the U.S. - investments that are designed to provide durable income streams and appreciation over the mid- to long-term. AEW expects to invest primarily in major metropolitan markets that feature barriers to new supply - whether physical, governmental or economic - as well as solid population and job growth. With limited supply and increasing demand, these markets should provide an opportunity for peak-to-peak rent growth and thus, long-term value creation. The Fund also seeks to exploit America's changing demographics, and the impact they will have on economic growth and demand for real estate. The Fund also focuses on markets and properties that are positively influenced by globalization as it continues to change the nature of U.S. jobs and affect the movement of goods and services and consumer spending. Finally, the Fund's target markets also exhibit economic diversity in terms of the underlying industries that are driving the demand in the marketplace; providing both growth and diversification to the Fund.







Bloomfield Income Fu	Ind - Portfolio Description	Bloomfield Income Fund - Strategy Details
• Strategy:	Bloomfield Capital Income Fund II	The Bloomfield Capital Income Fund II is a real estate opportunity fund focused on two primary strategies. 1. Originating senior secured, high yield, interim and bridge loans on income producing real estate in the
Objective:	To provide an absolute return in excess of 9%	U.S. and 2. Acquiring a diverse portfolio of commercial mortgage loans, deeds of trust, and other real estate related opportunistic investments. The Fund's objective is to build a diverse portfolio of senior,
Annual fees:	2.00% on Committed Capital	secured mortgages providing investors with consistent income and superior risk adjusted returns. Bloomfield Capital targets a double-digit yield on secure, risk-mitigated investments. The porfolio management team implements conservative underwriting techniques to provide a margin of safety.

Metropolitan MREP VI - Portf	olio Description	Metropolitan MREP VI - Strategy Details
Strategy:Vehicle:Objective:	Metropolitan Real Estate MREP VI Fund Real Estate Fund of Funds To outperform the NCREIF Property Index	Invest in a diversified portfolio of private real estate funds or other investment vehicles with direct or indirect exposure to real estate. The manager invests in funds with exposure to office, retail, industrials, multi-family, and other types of properties located primarily in the United States. The manager selects value added and opportunistic funds with superior performance track records. The manager diversifies the strategy across property types, geographic markets, managers, and strategies.
Annual fees:	1.35% on first \$5M 1.00% on the next \$20M	
Benchmark:	NCREIF Property Index	

RMK Timber - Portfolio Description

Strategy:	RMK Global Timberland Resources US Fund RMK Global Timberland Resources Intl Alternative Investment
Objective:	To outperform the NCREIF Timberland Index
Management	fees: US Fund: 1.00% Intl Fund: 1.25%
Performance I	Fee: US Fund: 20% (6% Hurdle) Intl Fund: 20% (10% Hurdle)

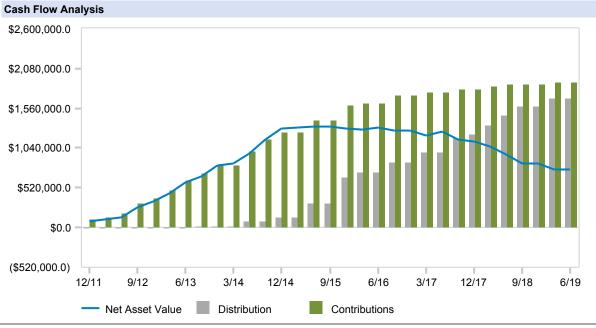
RMK Timber - Strategy Details

The portfolio team develops an investment strategy for the Fund based on the current environment and market forecasts for timberlands, and related end products. RMK utilizes industry contacts to identify attractive acquisition targets that achieve the Fund's investment strategy. Prior to purchasing a tract of land, the team performs rigorous due diligence and develops an asset management plan. The portfolio is actively managed, evaluating the benefits of harvesting the forests, letting the trees further mature, or selling the timberland. The manager will diversity the portfolio by growth stage/maturity of the forests, geographic locations (50% US exposure / 50% International exposure), and species.



Fund Information			
Type of Fund:	Fund Of Funds	Vintage Year:	2008
Strategy Type:	Real Estate	Management Fee:	1%
Target IRR:	9%	Inception:	03/19/2008
General Partner:	MREP6, LLC		
Investment Strategy:	Private Equity Real Estate value add/opportunistic multi-manager		

Capital Committed:	\$2,000,000
Capital Invested:	\$1,887,530
Management Fees:	-
Expenses:	-
Interest:	\$1,188
Total Contributions:	\$1,888,718
Remaining Capital Commitment:	\$112,470
Total Distributions:	\$1,679,798
Market Value:	\$765,347
nception Date:	11/30/2011
Inception IRR:	8.6
TVPI:	1.3



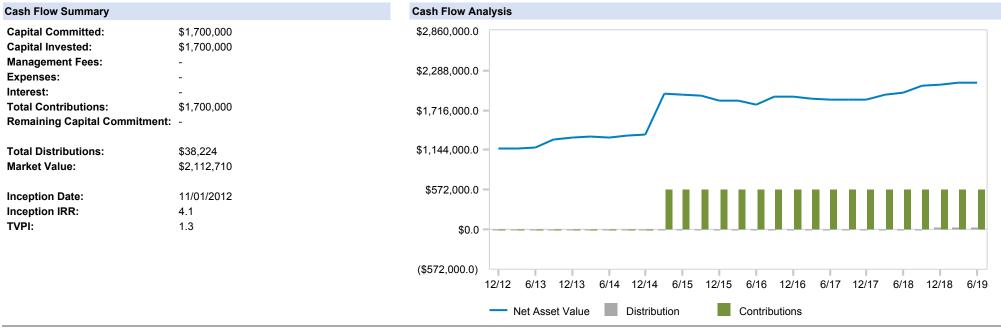


Fund Information			
Type of Fund:	Partnership	Vintage Year:	2016
Strategy Type:	Timber	Management Fee:	1% of NAV
Target IRR:		Inception:	12/01/2016
General Partner:			

Investment Strategy: South: Focus on pine plantations in the emerging growth stage to maximize biological growth and allow for market recovery from the sawtimber overhang currently impacting the region.

Pacific Northwest: Acquire high-quality timberland assets with a strong component of mature timber and overall diverse age class structure to take advantage of fiber-short domestic markets and export opportunities to the Pacific Rim.

Mixed Quality Hardwood Regions: Focus on timberland assets that offer exposure to export markets, multiple income streams, low management costs, and low correlation with softwood markets in the South and Pacific Northwest.

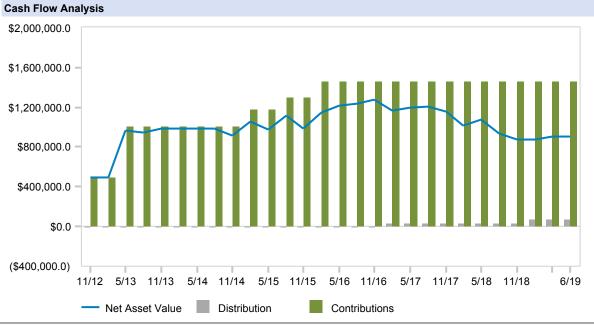




Fund Information			
Type of Fund:	Partnership	Vintage Year:	2011
Strategy Type:	Timber	Management Fee:	1.25% of NAV
Target IRR:		Inception:	09/07/2011
General Partner:			

Investment Strategy: A portfolio of timberland investments in South America, Eastern/Central Europe, and South Africa through tax efficient investment vehicles and to maximize returns through a portfolio diversified by geography, end-products and end-markets

Capital Committed:	\$1,275,000
apital Invested:	\$1,461,858
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$1,461,858
Remaining Capital Commitment	: -\$186,858
Total Distributions:	\$67,042
Market Value:	\$901,769
nception Date:	11/21/2012
Inception IRR:	-7.2
TVPI:	0.7





Fund Information			
Type of Fund:	Direct	Vintage Year:	2011
Strategy Type:	Other	Management Fee:	2.00%
Target IRR:	9.00%	Inception:	11/13/2011
General Partner:	Bloomfield Capital Partners, LLC		

Investment Strategy: Bloomfield Capital Income Fund II invests primarily in debt obligations consisting of commercial mortgage loans, deeds of trust and other real estate and/or debt-related investments, with the objective of creating a diversified portfolio producing strong and consistent returns while providing considerable downside protection.

> The Fund's investment strategy has a primary focus on commercial real estate loans and investments collateralized by significant margins of protective collateral such as real estate and other assets including but not limited to cash, marketable securities, equity interests, corporate interests and personal/corporate guarantees.

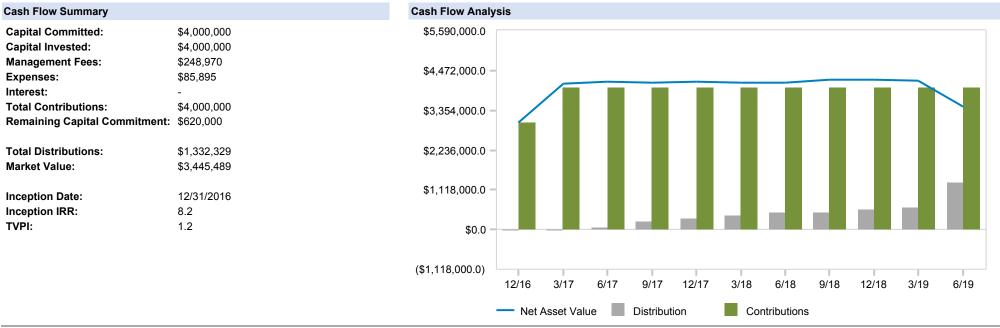




Fund Information			
Type of Fund:	Direct	Vintage Year:	2015
Strategy Type:	Other	Management Fee:	2.00%
Target IRR:	8.00%	Inception:	11/01/2015
General Partner:	Bloomfield Capital Partners, LLC		

Investment Strategy: Bloomfield Capital Income Fund III invests primarily in debt obligations consisting of commercial mortgage loans, deeds of trust and other real estate and/or debt-related investments, with the objective of creating a diversified portfolio producing strong and consistent returns while providing considerable downside protection.

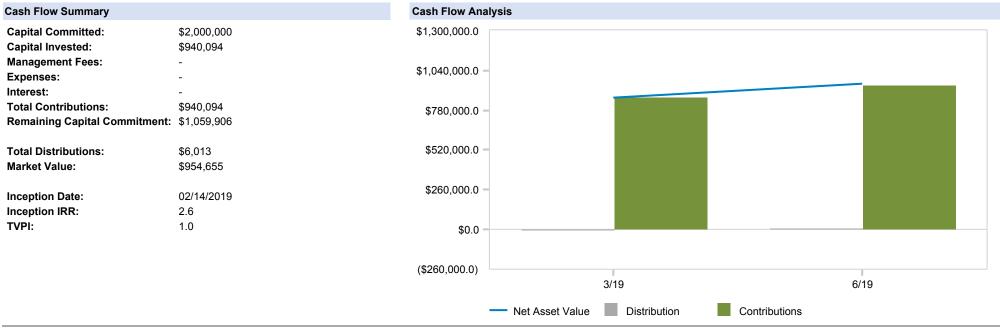
The Fund's investment strategy has a primary focus on commercial real estate loans and investments collateralized by significant margins of protective collateral such as real estate and other assets including but not limited to cash, marketable securities, equity interests, corporate interests and personal/corporate guarantees.





Fund Information			
Type of Fund:	Direct	Vintage Year:	2018
Strategy Type:	Other	Management Fee:	1.5%
Target IRR:	8.5% (Series A only)	Inception:	11/16/2018
General Partner:	Bloomfield Capital Partners V, LLC		

Investment Strategy: The investment strategy of each Series of the Fund will have a primary focus on private credit and specialty finance assets (which is expected to include real estate debt and other general debt and debt-related investments) with short to intermediate-term durations and often contractual cash flows. The Managing Member's goal is to preserve invested capital, and generate returns that have a low correlation to traditional public markets (although there can be no assurances that this goal will be realized). The Fund will target middle market opportunities in real estate debt and other general debt and debt-related transactions (including REO properties, and preferred equity, that would include debt-like characteristics). The Fund generally will not invest in traditional leveraged common equity positions in real estate; however, the Fund may acquire REO and similar non-traditional properties and may also take incidental or pledged equity positions in connection with certain loans in order to obtain supplemental collateral to enhance the strength of the primary credit investment, and/or to expedite any requisite foreclosure process with such loan for the benefit of the Fund. The primary focus of private credit and specialty finance assets (including real estate debt and other general debt and debtrelated investments) will be to capitalize on gap, transitional, bridge, special situation and opportunistic financings that are time sensitive, complex, and that the Managing Member believes offer attractive risk-adjusted returns. Each Series of the Fund may also variously co-invest in opportunities originated by other investors where the overall investment opportunity is of the same or similar nature as the Series typically invests.





Benchmark History Investment Policy Benchmarks As of June 30, 2019

Total Fund Policy		Total Domestic Equity Policy	
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Jan-1985		Jan-1985	
S&P 500 Index	20.50	S&P 500 Index	40.00
S&P MidCap 400 Index	16.00	S&P MidCap 400 Index	32.00
Russell 2000 Index	14.00	Russell 2000 Index	28.00
MSCI EAFE (Net) Index	15.00		
Blmbg. Barc. U.S. Aggregate Index	30.00		
NCREIF Fund Index-ODCE (VW)	4.50		
lan-2017			
S&P 500 Index	20.00		
Russell Midcap Index	14.00		
Russell 2000 Index	14.00		
MSCI EAFE (Net) Index	15.50		
Blmbg. Barc. U.S. Aggregate Index	20.00	Total International Equity Policy	
Blmbg. Barc. Global Multiverse	2.00	Allocation Mandate	Weight (%)
NCREIF Fund Index-ODCE (VW)	6.00	Jan-1970	
HFRI FOF: Diversified Index	5.00	MSCI EAFE (Net) Index	100.00
NCREIF Timberland Index	3.50		

Total Fixed Income Policy		
Allocation Mandate	Weight (%)	
Jan-1976		
Blmbg. Barc. U.S. Aggregate Index	100.00	

Total Real Estate Policy		Total Timber Policy	
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Jan-1978		Apr-1987	
NCREIF Property Index	100.00	NCREIF Timberland Index	100.00



Plan Disclosures:

- All composite returns (except Timber and Real Estate) prior to March 31, 2015 was obtained from prior consultant.
- Though there was no changes made to any of the composites (except Timber and Real Estate) from 3/31/2015 and back to inception, and are shown as reported by prior consultant, there are changes made to individual portfolios.
- AEW Core Property- obtained all historical statements and built history.
- Bloomfield Capital Income Fund- obtained all historical statements and built history.
- Metropolitan Real Estate VI- obtained all historical statements and built history.
- RMK Timberland Intl Fund- obtained all historical statements and built history.
- RMK Timberland US Fund- obtained all historical statements and built history.
- After rebuilding history for all Real Estate Funds and all Timber funds, recalculated composite returns for each composite.



Southfield Employees Retirement System Fee Analysis As of June 30, 2019

	Estimated		Estimated		
	Annual Fee (%)	Market Value (\$)	Annual Fee (\$)	Fee Schedule	
Comerica S&P 500 Index Fund	0.09	23,085,893	19,869	0.12 % of First \$2 M 0.10 % of Next \$3 M 0.08 % of Next \$20 M 0.06 % of Next \$25 M 0.04 % of Next \$50 M 0.02 % Thereafter	
Champlain MC Equity	0.85	9,131,550	77,618	0.85 % of Assets	
QMA US MC Equity	0.00	7,380,008	332	0.00 % of Assets	
SouthernSun SC	1.00	5,800,676	58,007	1.00 % of First \$15 M 0.85 % Thereafter	
Walthausen & Co. SMID Value	0.93	6,021,765	56,185	0.95 % of First \$5 M 0.85 % of Next \$20 M 0.75 % of Next \$25 M 0.65 % Thereafter	
Great Lakes Equity	0.55	5,428,234	29,855	0.55 % of Assets	
Total Domestic Equity	0.43	56,848,126	241,866		
	0.75	0.405.004	74.045		
WCM Focused Growth International LSV International LCV	0.75 0.75	9,495,331 9,339,793	71,215 70,048	0.75 % of Assets 0.75 % of First \$25 M 0.65 % of Next \$25 M 0.55 % of Next \$50 M 0.45 % Thereafter	
Total International Equity	0.75	18,835,124	141,263		
Pacific Fixed Income	0.30	10,781,235	32,344	0.30 % of Assets	
Templeton Global Bond R6 (FBNRX)	0.51	3,366,422	17,169	0.51 % of Assets	
Bloomfield Capital Income Fund II	2.00	576,594	11,532	2.00 % of Assets	
Bloomfield Capital Income Fund III	2.00	3,445,489	68,910	2.00 % of Assets	
Bloomfield Capital Income Fund V	1.50	954,655	14,320	1.50 % of Assets	
Total Fixed Income	0.75	19,124,395	144,274		
AEW Core Property Trust	1.25	7,038,739	87,984	1.25 % of Assets	
Metropolitan Real Estate V	1.23	765.347	7,653	1.00 % of Assets	
Total Real Estate	1.23	7,804,086	95,638	1.00 /0 01 ASSets	
Magnitude Institutional	1.00	2,854,215	28,542	1.00 % of Assets	
Titan Masters Int'l Fund	0.70	2,651,564	18,561	0.70 % of Assets	
Total Hedge Fund of Funds	0.86	5,505,779	47,103		
RMK Timberland US Fund	1.00	2,112,710	21,127	1.00 % of Assets	
RMK Timberland Intl Fund	1.25	901,769	11,272	1.25 % of Assets	
Total Timber Funds	1.07	3,014,479	32,399		



Southfield Employees Retirement System Fee Analysis As of June 30, 2019

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Cash		751,846	-	
Total Fund	0.63	111,883,836	702,543	



Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
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 an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



AndCo compiled this report for the sole use of the client for which it was prepared. AndCo is responsible for evaluating the performance results of the Total Fund along with the investment advisors by comparing their performance with indices and other related peer universe data that is deemed appropriate. AndCo uses the results from this evaluation to make observations and recommendations to the client.

AndCo uses time-weighted calculations which are founded on standards recommended by the CFA Institute. The calculations and values shown are based on information that is received from custodians. AndCo analyzes transactions as indicated on the custodian statements and reviews the custodial market values of the portfolio. As a result, this provides AndCo with a reasonable basis that the investment information presented is free from material misstatement. This methodology of evaluating and measuring performance provides AndCo with a practical foundation for our observations and recommendations. Nothing came to our attention that would cause AndCo to believe that the information presented is significantly misstated.

This performance report is based on data obtained by the client's custodian(s), investment fund administrator, or other sources believed to be reliable. While these sources are believed to be reliable, the data providers are responsible for the accuracy and completeness of their statements. Clients are encouraged to compare the records of their custodian(s) to ensure this report fairly and accurately reflects their various asset positions.

The strategies listed may not be suitable for all investors. We believe the information provided here is reliable, but do not warrant its accuracy or completeness. Past performance is not an indication of future performance. Any information contained in this report is for informational purposes only and should not be construed to be an offer to buy or sell any securities, investment consulting, or investment management services.

Additional information included in this document may contain data provided by from index databases, public economic sources and the managers themselves.

This document may contain data provided by Bloomberg Barclays. Bloomberg Barclays Index data provided by way of Barclays Live.

This document may contain data provided by Standard and Poor's. Nothing contained within any document, advertisement or presentation from S&P Indices constitutes an offer of services in jurisdictions where S&P Indices does not have the necessary licenses. All information provided by S&P Indices is impersonal and is not tailored to the needs of any person, entity or group of persons. Any returns or performance provided within any document is provided for illustrative purposes only and does not demonstrate actual performance. Past performance is not a guarantee of future investment results.

This document may contain data provided by MSCI, Inc. Copyright MSCI, 2017. Unpublished. All Rights Reserved. This information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used to create any financial instruments or products or any indices. This information is provided on an "as is" basis and the user of this information assumes the entire risk of any use it may make or permit to be made of this information. Neither MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information makes any express or implied warranties or representations with respect to such information or the results to be obtained by the use thereof, and MSCI, its affiliates and each such other person hereby expressly disclaim all warranties (including, without limitation, all warranties of originality, accuracy, completeness, timeliness, non-infringement, merchantability and fitness for a particular purpose) with respect to this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information. Without limitation, lost profits) even if notified of, or if it might otherwise have anticipated, the possibility of such damages.

This document may contain data provided by Russell Investment Group. Russell Investment Group is the source owner of the data contained or reflected in this material and all trademarks and copyrights related thereto. The material may contain confidential information and unauthorized use, disclosure, copying, dissemination or redistribution is strictly prohibited. This is a user presentation of the data. Russell Investment Group is not responsible for the formatting or configuration of this material or for any inaccuracy in presentation thereof.

This document may contain data provided by Morningstar. All rights reserved. Use of this content requires expert knowledge. It is to be used by specialist institutions only. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied, adapted or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information, except where such damages or losses cannot be limited or excluded by law in your jurisdiction. Past financial performance is not guarantee of future results.





Putting clients first.

CHICAGO | CLEVELAND | DALLAS | DETROIT | ORLANDO | PITTSBURGH | RENO

AndCo Consulting | (844) 44-ANDCO | AndCoConsulting.com