Franklin Regional Retirement Board

O'Shaughnessy Market Leaders Value





QUARTERLY REPORT ENDING DECEMBER 31, 2019



Our Core Investment Tenets

- 1. Maximizing total, risk adjusted, and consistency of returns are our touchstones
- 2. A stock's fundamental characteristics (or factors) are its drivers of return over time
 - Avoid those with poor factor profiles
 - Concentrate into those with the most attractive factor profiles
- 3. Portfolio construction is key to amplifying good stock selection
 - Weightings should be designed to deliver a strong edge in the most effective factors
 - The sell discipline should be rigorously followed to consistently safeguard this edge
 - Risk management helps avoid negative events while still maintaining a factor edge
- 4. None of this works without unyielding discipline
- 5. Smart Beta is an expensive wrapper for index-like results
 - Differentiated, high conviction, high active share portfolios make more sense
 - Factors are better used to generate alpha, not tilted beta



Franklin Regional Retirement Board – Annualized Returns

(As of 12/31/19)

Relationship Summary

Market Value (12/31/19)	\$10,666,841.01
Strategy:	O'Shaughnessy Market Leaders Value
Inception Date:	March 2, 2012
Custodian:	Comerica

Performance Review (As of 12/31/19)		Current Month	Quarter to Date	Year to Date	1-Year	3-Year	5-Year	7-Year	Since Inception (Annualized)	*Inception Date
((Franklin Regional Retirement Board	(Gross)	1.69	7.85	27.61	27.61	12.28	8.77	13.98	13.08	
	(Net)	1.64	7.70	26.93	26.93	11.67	8.17	13.36	12.47	03/02/12
Russell 1	000 Value	2.75	7.41	26.54	26.54	9.68	8.29	12.20	11.94	

Returns are in USD. Periods longer than 1 year are annualized.



Franklin Regional Retirement Board – Calendar Returns

(As of 12/31/19)

Relationship Summary

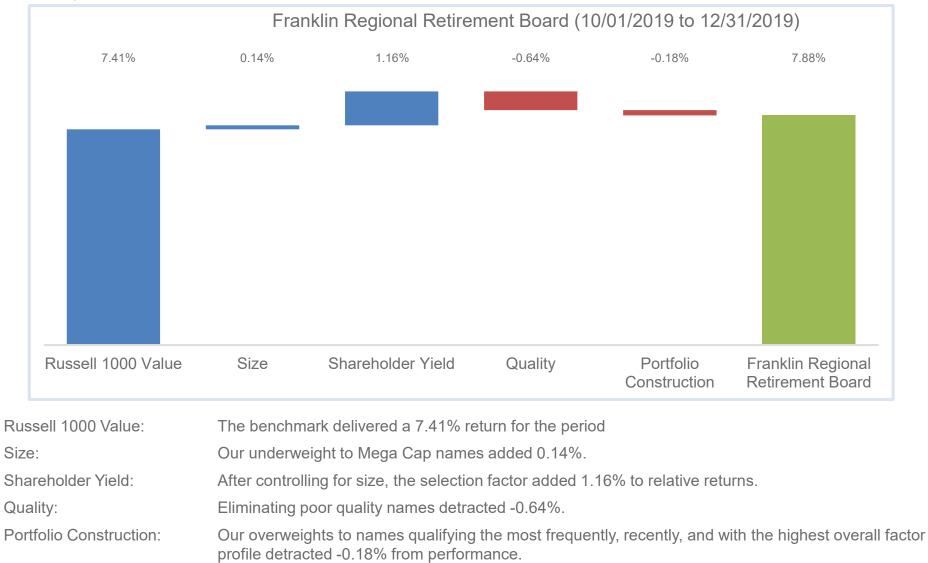
Market Value (12/31/19)	\$10,666,841.01
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Inception Date:	March 2, 2012
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Performance Review (As of 12/31/19)									
(AS 01 12/31/19)		2019	2018	2017	2016	2015	2014	2013	2012*
Franklin Regional Retirement	(Gross)	27.61	-10.75	24.30	16.33	-7.57	10.78	48.17	4.91
Board	(Net)	26.93	-11.25	23.63	15.70	-8.08	10.18	47.38	4.43
Russell 10	000 Value	26.54	-8.27	13.66	17.34	-3.83	13.45	32.53	8.16

Returns are in USD.

O'Shaughnessy Investment Process Attribution (OTD)

This analysis attributes the impacts of selection and portfolio construction decisions in a manner that is consistent with our investment process:



Franklin Regional Retirement Board: Factor Attribution QTD

(As of 12/31/19)

		Port	folio	Russell 1	000 Value	Attribution		
Factors	Factor Return	Average Exposure	Contribution	Average Exposure	Contribution	Average Exposure	Factor Impact	
Universe	8.22	1.05	8.46	0.89	7.25	0.16	1.20	
Size	1.25	-0.06	-0.12	0.33	0.45	-0.39	-0.57	
Value	1.21	0.16	0.25	0.08	0.06	0.08	0.19	
Momentum	-4.15	0.11	-0.51	0.03	-0.18	0.08	-0.33	
Shareholder Yield	1.21	0.87	1.04	0.42	0.52	0.45	0.52	
Earnings Quality	0.05	-0.32	-0.01	-0.37	-0.05	0.06	0.04	
Financial Strength	0.14	-0.03	-0.23	0.09	-0.01	-0.12	-0.22	
Earnings Growth	-0.08	0.04	-0.06	-0.45	0.22	0.49	-0.28	
Industry			-0.33		-0.42		0.08	
Selection + Interaction			-0.59		-0.45		-0.15	
Total			7.88		7.41		0.48	

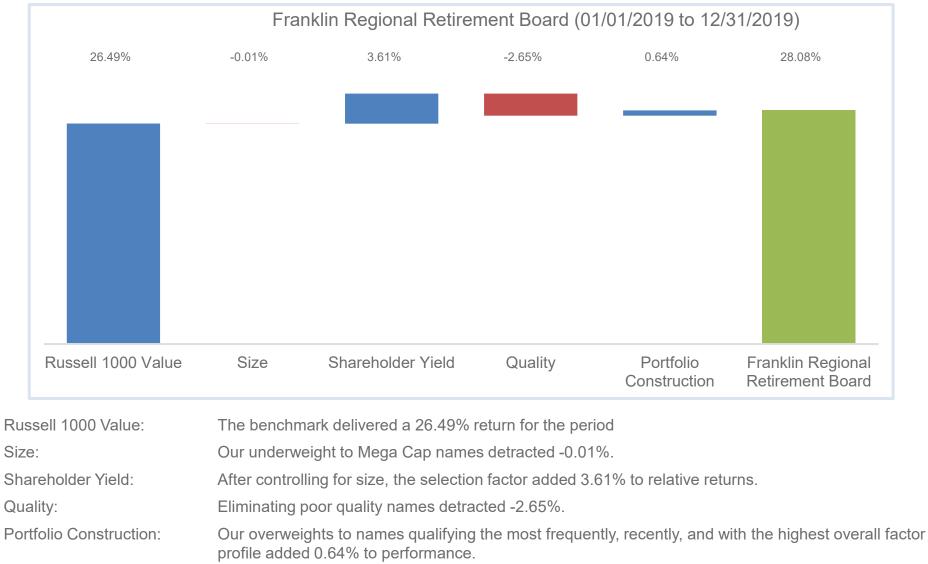
Franklin Regional Retirement Board: Brinson Attribution QTD

(As of 12/31/19)

		Portfolio		Rus	ssell 1000 V	alue	Perfor	mance Attribu	ution
Sectors	Average Weight	Total Return	Contribution to Return	Average Weight	Total Return	Contribution to Return	Allocation Effect	Selection + Interaction	Total Effect
Communication Services	1.53	1.41	0.02	8.21	6.79	0.56	0.05	-0.08	-0.03
Consumer Discretionary	10.20	-0.53	-0.22	5.98	4.10	0.25	-0.15	-0.56	-0.71
Consumer Staples	4.10	8.37	0.32	8.96	3.49	0.30	0.20	0.18	0.38
Energy	5.01	8.37	0.43	8.15	5.74	0.46	0.02	0.20	0.21
Financials	30.95	9.13	2.78	23.91	9.98	2.37	0.17	-0.25	-0.08
Health Care	12.83	15.61	1.92	12.70	12.01	1.50	-0.02	0.36	0.34
Industrials	15.68	6.52	1.14	9.62	8.97	0.87	0.15	-0.38	-0.24
Information Technology	14.27	10.33	1.45	6.14	12.18	0.74	0.36	-0.20	0.16
Materials	3.98	0.80	0.03	4.28	8.07	0.34	0.00	-0.32	-0.32
Real Estate	1.45	-1.24	0.01	5.36	-0.04	0.00	0.30	-0.02	0.28
Utilities	0.00	0.00	0.00	6.69	0.54	0.01	0.47	0.00	0.47
Total	100.00	7.88	7.88	100.00	7.41	7.41	1.56	-1.08	0.48

O'Shaughnessy Investment Process Attribution (YTD)

This analysis attributes the impacts of selection and portfolio construction decisions in a manner that is consistent with our investment process:



Franklin Regional Retirement Board: Factor Attribution YTD

(As of 12/31/19)

		Port	folio	Russell 1	000 Value	Attrib	oution
Factors	Factor Return	Average Exposure	Contribution	Average Exposure	Contribution	Average Exposure	Factor Impact
Universe	31.15	1.04	31.84	0.88	27.28	0.16	4.56
Size	0.42	0.04	-0.29	0.45	-0.45	-0.41	0.16
Value	-3.56	0.04	0.81	-0.06	1.35	0.10	-0.54
Momentum	-2.30	-0.05	-1.42	-0.23	-0.93	0.18	-0.49
Shareholder Yield	0.16	0.80	-0.01	0.41	-0.15	0.40	0.14
Earnings Quality	-4.23	-0.24	1.10	-0.36	1.58	0.11	-0.48
Financial Strength	-3.38	0.20	-1.58	-0.09	0.61	0.28	-2.20
Earnings Growth	-1.26	-0.02	0.00	-0.30	0.55	0.28	-0.55
Industry			-1.93		-2.86		0.94
Selection + Interaction			-0.45		-0.49		0.04
Total			28.08		26.49		1.58

Franklin Regional Retirement Board: Brinson Attribution YTD

(As of 12/31/19)

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Castana		Portfolio		Rus	ssell 1000 V	alue	Perfor	rmance Attribu	ution
Sectors	Average Weight	Total Return	Contribution to Return	Average Weight	Total Return	Contribution to Return	Allocation Effect	Selection + Interaction	Total Effect
Communication Services	2.17	32.24	0.75	7.64	29.02	2.16	-0.08	0.15	0.08
Consumer Discretionary	12.33	24.67	3.08	5.65	25.86	1.46	0.06	-0.03	0.04
Consumer Staples	4.78	17.90	0.88	8.41	26.33	2.16	-0.04	-0.51	-0.56
Energy	7.45	18.90	1.79	8.91	10.78	1.13	0.44	0.28	0.72
Financials	30.95	41.11	11.76	23.10	30.76	6.89	0.22	2.81	3.02
Health Care	8.53	15.53	2.21	13.84	20.36	2.86	0.72	0.13	0.85
Industrials	13.89	19.40	2.59	8.68	35.44	2.78	0.44	-1.97	-1.53
Information Technology	17.10	24.58	4.05	7.87	40.86	3.17	1.10	-2.52	-1.42
Materials	2.22	41.82	0.92	4.15	18.34	0.78	0.25	0.24	0.49
Real Estate	0.58	2.71	0.04	5.22	26.94	1.45	-0.12	-0.06	-0.18
Utilities	0.00	0.00	0.00	6.54	25.49	1.66	0.08	0.00	0.08
Total	100.00	28.08	28.08	100.00	26.49	26.49	3.06	-1.48	1.58

Franklin Regional Retirement Board: Characteristics

(USD, as of 12/31/19)	Portfolio	Russell 1000 Value
Market Cap (Weighted Average)	60,266	130,907
Market Cap (Median)	21,316	9,815
Approximate Number of Holdings	67	764
Approximate Turnover (% LTM)	57.5	_
Tracking Error (%)	5.3	_
Active Share (%)	89.9	
Cash (%)	1.1	—

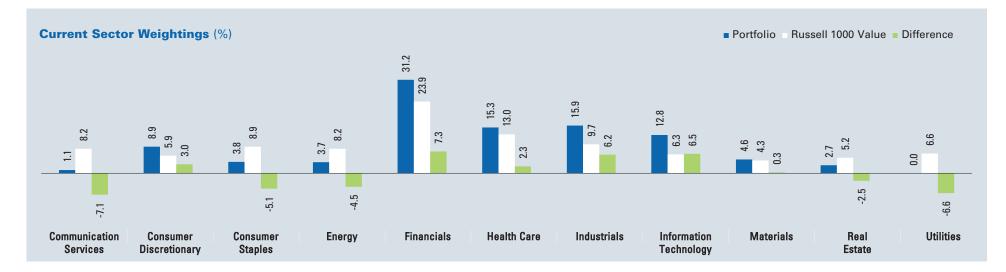
Top 10 Holdings	Percent of Portfolio	Shareholder Yield (%)	Percent of Russell 1000 Value
AMERIPRISE FINANCIAL INC	4.4	11.2	0.1
CITIGROUP INC	4.4	13.2	1.2
AMGEN INC	4.2	9.6	0.1
METLIFE INC	4.1	10.2	0.3
WELLS FARGO & CO	3.2	13.2	1.4
VOYA FINANCIAL INC	3.0	15.2	0.1
LILLY (ELI) & CO	3.0	16.3	0.0
CELANESE CORP	2.8	11.3	0.1
DELTA AIR LINES INC	2.7	8.4	0.2
CARDINAL HEALTH INC	2.7	6.1	0.1
Total	34.6	11.5*	3.6

* Average of top 10 holdings

			Portfolio	Russell 1000 Value	Relative Advantage
		Dividend Yield (%)	2.3	2.5	-8% Difference
	YIELD	Buyback Yield (%)	7.4	0.2	3600% Difference
		Shareholder Yield (%)	9.7	2.7	259% Difference
		Price/Earnings Ratio	13.3	18.4	28% Cheaper
	VALUE	Price/Sales Ratio	1.1	1.7	35% Cheaper
	VALUL	EBITDA/Enterprise Value	9.6	9.0	7% Higher
		Free Cash Flow/Enterprise Value	3.3	1.4	136% Higher
	EARNINGS	1-Year Historical EPS Growth (%)	60.1	-3.7	1724% Higher
	GROWTH	Return on Invested Capital (%)	38.0	19.8	92% Higher
QUALITY	EARNINGS	Total Accruals/Total Assets (%)	-3.9	-4.5	13% Higher
QUA	QUALITY	Depreciation/CapEx (%)	1.5	1.6	6% Lower
	FINANCIAL	External Financing (%)	-10.2	-2.8	264% Lower
	STRENGTH	Cash Flow-to-Debt Ratio	0.3	0.3	-

ÖShaughnessy ASSET MANAGEMENT

Franklin Regional Retirement Board: Portfolio Positioning



Sector Allocations (%)	Active	Weight	
	12/31/19	09/30/19	3-Month Change in Active Sector Weight
Health Care	2.3	-2.3	4.6
Real Estate	-2.5	-4.7	2.2
Materials	0.3	-1.5	1.8
Industrials	6.2	5.3	0.9
Utilities	-6.6	-7.0	0.4
Consumer Staples	-5.1	-4.8	-0.3
Financials	7.3	7.6	-0.3
Communication Services	-7.1	-5.8	-1.3
Energy	-4.5	-2.9	-1.6
Information Technology	6.5	9.4	-2.9
Consumer Discretionary	3.0	6.6	-3.6

Numbers may not add up due to rounding.

O'Shaughnessy Asset Management (OSAM) At A Glance

- Managing factor-based long-only equity portfolios since 1996
- Long-term leadership and investment in our strategies
 - Firm's senior leadership averages 16+ years with team
 - Every senior manager has worked at OSAM longer than anywhere else
 - 38% of employees are owners in the firm
 - All senior leaders and portfolio managers invest in our strategies
- \$6.3 billion in assets (12/31/19)*
- Independent, 90% employee-owned
- Partnership with institutional and advisory clients across multiple vehicles—SMA, mutual fund, LP, and model delivery

^{*} The AUM and AUA combined total represents \$5.7 billion of O'Shaughnessy Asset Management assets under management as of 12/31/19 and \$0.6 billion of assets under advisement as of 11/30/19 (Numbers may not add up due to rounding). The information regarding AUA is supplemental, OSAM does not have control over the assets under advisement, implementation of the models, or execution of the trades.



osam.com

Six Factor Themes Make Up Each Stock's Factor Profile and Drive Returns

Value

Stocks trading at large discounts to current sales, earnings, EBITDA, and Free Cash Flow

Momentum Stocks with impressive and stable recent total returns

Earnings Growth

Stocks whose profitability is high and trending up

Financial Strength

Stocks that use debt responsibly, and aren't overly reliant on outside financing

Earnings Quality

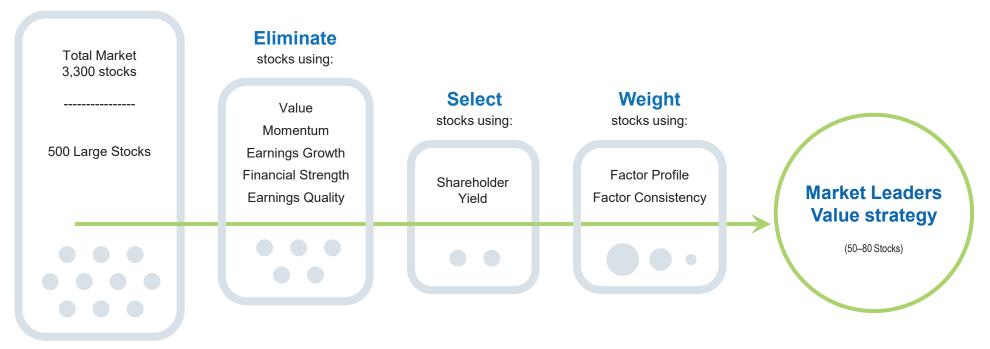
Stocks with strong cash flows and conservative accounting

Shareholder Yield

Stocks returning high amounts of cash to shareholders through dividends and buybacks

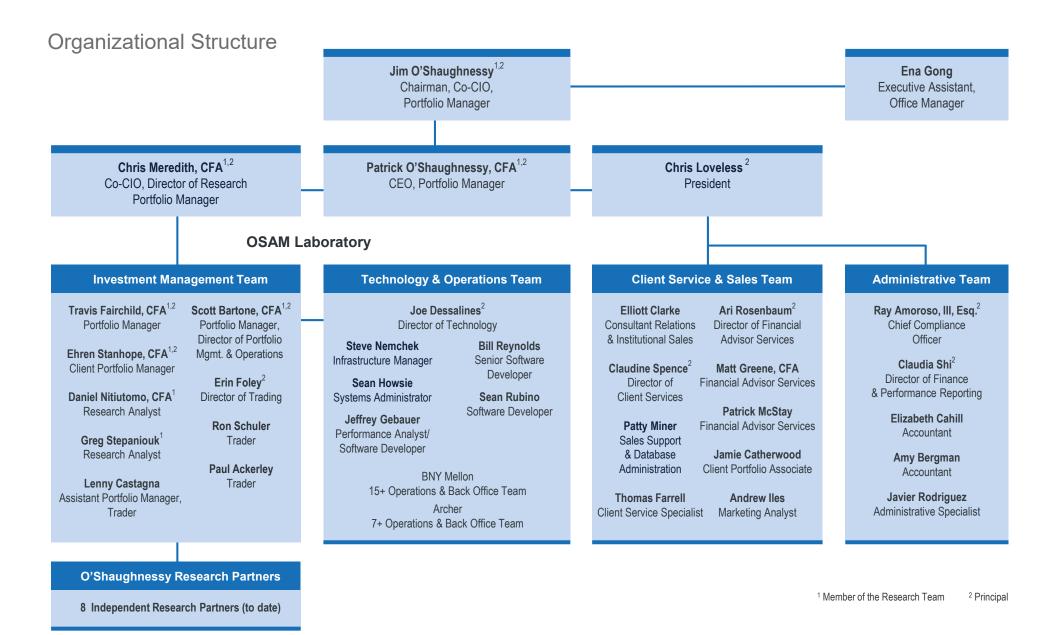
Building Your Portfolio of Stocks with Strong Overall Factor Profiles

Start



Always considering: sector & industry exposures, transaction costs, client guidelines





General Legal Disclosures & Hypothetical and/or Backtested Results Disclaimer

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The risk-free rate used in the calculation of Sortino, Sharpe, and Treynor ratios is 5%, consistently applied across time.

The universe of All Stocks consists of all securities in the Chicago Research in Security Prices (CRSP) dataset or S&P Compustat Database (or other, as noted) with inflation-adjusted market capitalization greater than \$200 million as of most recent year-end. The universe of Large Stocks consists of all securities in the Chicago Research in Security Prices (CRSP) dataset or S&P Compustat Database (or other, as noted) with inflation-adjusted market capitalization greater than the universe average as of most recent year-end. The stocks are equally weighted and generally rebalanced annually.

Hypothetical performance results shown on the preceding pages are backtested and do not represent the performance of any account managed by OSAM, but were achieved by means of the retroactive application of each of the previously referenced models, certain aspects of which may have been designed with the benefit of hindsight.

The hypothetical backtested performance does not represent the results of actual trading using client assets nor decision-making during the period and does not and is not intended to indicate the past performance or future performance of any account or investment strategy managed by OSAM. If actual accounts had been managed throughout the period, ongoing research might have resulted in changes to the strategy which might have altered returns. The performance of any account or investment strategy managed by OSAM will differ from the hypothetical backtested performance results for each factor shown herein for a number of reasons, including without limitation the following:

- Although OSAM may consider from time to time one or more of the factors noted herein in managing any account, it may not consider all or any of such factors. OSAM may (and will) from time to time consider factors in addition to those noted herein in managing any account.
- OSAM may rebalance an account more frequently or less frequently than annually and at times other than presented herein.
- OSAM may from time to time manage an account by using non-quantitative, subjective investment management methodologies in conjunction with the application of factors.
- The hypothetical backtested performance results assume full investment, whereas an account managed by OSAM may have a positive cash position upon rebalance. Had the hypothetical backtested performance results included a positive cash position, the results would have been different and generally would have been lower.
- The hypothetical backtested performance results for each factor do not reflect any transaction costs of buying and selling securities, investment management fees (including without limitation management fees and performance fees), custody and other costs, or taxes all of which would be incurred by an investor in any account managed by OSAM. If such costs and fees were reflected, the hypothetical backtested performance results would be lower. Therefore it should be noted that on the previous pages of this presentation, any back-tested results may be reflected gross of fees. Had OSAM managed the back-tested Portfolio during the corresponding time period, the deduction of an OSAM fee would have decreased the reflected results. For example, the deduction of a 1.00% fee over a 10-year period would have reduced a 10% gross of fees gain to an 8.9% net of fees gain.
- The hypothetical performance does not reflect the reinvestment of dividends and distributions therefrom, interest, capital gains and withholding taxes.
- Accounts managed by OSAM are subject to additions and redemptions of assets under management, which may positively or negatively affect performance depending generally upon the timing of such events in relation to the market's direction.
- Simulated returns may be dependent on the market and economic conditions that existed during the period. Future market or economic conditions can adversely affect the returns.