

Investments Committee Report 21-03

Investments Committee

Raymond Ciranna
Chairperson
Joshua Geller
Neil Guglielmo

Date: July 22, 2021

To: Investments Committee

From: Staff

Subject: Proposal for Refined Search Process for DCP Actively Managed Mandates

Recommendation:

That the Investments Committee approve the proposal from staff and investment consultant for executing the analytical process for the actively managed mandates for the Deferred Compensation Plan (DCP).

Discussion:

A. Background

The Board of Deferred Compensation Administration (Board) has taken a number of actions with respect to procurements and search processes for DCP investment managers. Following is a summary of the Board's actions to date regarding the search:

- On June 18, 2019, the Board directed staff to draft revisions to the DCP Core Menu Investment Management Services and Stable Value Fund (SVF) Management Services RFPs to include an evaluation process aligning with the Board's established mutual fund search process. The Board also asked staff to work with the City Attorney's Office and Office of Contract Compliance to identify all non-applicable provisions of the City's general contracting requirements for the investment of DCP funds.
- On **July 16, 2019**, the Board approved staff's proposed process to administer parallel mutual fund and institutional product procurement searches for all DCP investment mandates.
- On **January 14, 2020**, the Investments Committee (Committee) reviewed and approved staff's proposed revised RFPs.
- On **February 18, 2020**, the Board approved and authorized the release of RFPs for (i) DCP Investment Management Services and (ii) SVF Investment Management Services.
- On August 17, 2020, the DCP Core Menu RFP was released; responses were due October 1, 2020. Along approximately the same time frame the DCP investment consultant, Mercer Investment Consulting (Mercer), executed the parallel mutual fund search process.

- On **February 16, 2021**, following Investments Committee review on October 30, 2020, and prior Board consideration at its meetings on December 15, 2020, and January 19, 2021, the Board selected Galliard Capital Management to complete its SVF procurement process.
- On May 18, 2021, the Board selected Vanguard to provide passive management services for the passively managed components of the DCP Bond, DCP Large-Cap Stock, DCP Mid-Cap Stock, and DCP Small-Cap Stock investment options, following prior consideration at its meeting on April 20, 2021.

The DCP Core Menu includes active managers for the following DCP investment options and investment mandates comprising various percentages of the Core Menu funds and overall DCP assets, as follows:

DCP Core Fund	Active Mandate	Percent of DCP Core Fund	Assets as of 3/31/21	
DCP Bond Fund	Core Plus Bond	50%	\$	402,459,630
DCP Mid-Cap Stock Fund	Mid-Cap Growth/ Mid-Cap Value Equity	50%	\$	240,449,004
DCP Small-Cap Stock Fund	Small-Cap Growth/ Small-Cap Value Equity	67%	\$	319,667,198
DCP International Stock Fund	International Small-Cap/ Emerging Markets/ Developed Markets Equity	100%	\$	712,142,473

TOTAL-> \$ 1,674,718,305

% of DCP Assets-> 20%

TOTAL DCP ASSETS \$ 8,528,938,319

All of the proposals submitted in response to the Board's RFP were first reviewed by the Personnel Department's Administrative Services Division (ASD) to ensure the applicable City's general contracting requirements were met. All respondents were determined to have met the requirements necessary to proceed with further evaluation.

B. Evaluation Process and Screening Process Recommendations

The RFP provides that the DCP consultant will prepare a report analyzing the responses across the various evaluation categories as delineated within the RFP Proposal Questionnaire. This report combines both institutional funds proposed in response to the RFP as well as mutual funds identified as a result of the search process.

At its June 23, 2021 meeting, the Investments Committee approved a proposal from staff and Mercer for the methodology to be used for reviewing candidates for the actively managed mandates. The process provides that following evaluation of all RFP respondents and mutual fund

candidates on RFP evaluation categories, as part of its Phase 1 review Mercer will provide recommendations regarding removing from the candidate list those funds not meeting certain key criteria applying to the evaluation categories and which would otherwise be the basis for ranking candidates in any event.

Mercer has prepared a report containing its analysis and results (Attachment A). In summary, recommendations for finalist fund providers are summarized as follows:

Active Mandate	Proposed Finalist Institutional Fund Providers	Proposed Finalist Mutual Fund Providers	Total
	DCP International Fund Active Ma	andates	
International Small Cap Equity	Acadian, American Century, Fidelity, Kayne Andeson, Victory Capital, William Blair	Alliance Bernstein	7
International Developed Markets Equity	Baillie Gifford, Capital Group, JP Morgan, MFS, Lazard, Pyrford, T. Rowe Price, Walter Scott, Wellington, William Blair, Clear Bridge	n/a	11
Emerging Markets Equity	Axiom, Baillie Gifford, BlackRock, Columbia Threadneedle, Driehaus Capital, Fidelity, Fisher Investments, T. Rowe Price, Wells Fargo, William Blair	Fidelity, Goldman Sachs, UBS	13
	DCP Bond Fund		
Active Core Plus Bond	BlackRock, Fidelity, JP Morgan, Loomis Sayles, Manulife, PIMCO, TCW, Wellington, Western Asset	n/a	9
	DCP Mid-Cap Fund		
Mid-Cap Value Equity	American Century, Ceredex, Cooke & Bieler, MFS, T. Rowe Price, Wells Fargo	Principal	7
Mid-Cap Growth Equity	BlackRock, Invesco, Kayne Anderson, MFS	Carillon Eagle, Morgan Stanley, Neuberger Berman	7
	DCP Small-Cap Fund		
Small-Cap Value Equity	Fisher, Neuberger Berman, Westwood	Hotchkis & Wiley	4
Small-Cap Growth Equity	Alliance Bernstein, American Century, Columbia Threadneedle, Franklin Templeton, Lord Abbett, Riverbridge, Victory, Wells Fargo	Clear Bridge, Fidelity, Hartford	11
	,	TOTAL FUNDS>	69

As a reminder, as the review process proceeds, the City has the option to request and consider updated performance information and portfolio characteristics from all RFP respondents. The City also has the option to request oral presentations of all of or the highest-ranked respondents prior to making a final selection.

Submitted by:

Steven Montagna, Chief Personnel Analyst



City of LA Deferred Compensation Plan

Active Manager Search Stage 1 Review

July 22, 2021

Devon Muir, CFA Ana Tom-Chow Peter Eibsen

Background

- In June, the Investments Committee approved a multi-stage approach to reviewing both the institutional product (RFP responses) and mutual fund search streams for the DCP's actively managed investment mandates.
- Generally strategies that ranked better than the median in their respective peer groups were viewed favorably in the evaluation dimensions. An exception to this occasionally was made in the fee dimension in order to ensure a qualified set of candidates for further evaluation in Stage 2.
- Assuming the Committee is in alignment with our recommendations for each of these mandates, we will proceed to Stage 2.



Background

Search Candidates

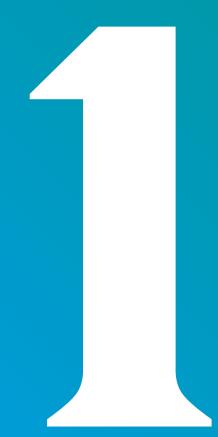
• Detail on the search process and candidates for consideration is below.

	Active Int'l Small- Cap Equity	Active Int'l Dev. Markets Equity	Active Int'l Emerging Markets Equity	Active Core Plus Bond	Active Mid-Cap Value Equity		Active Small- Cap Value Equity	Active Small-Cap Growth Equity
Approx. mandate size as of 3/31/21		\$463M	\$125M	\$402M	\$120M	\$120M	\$160M	\$160 M
(A) RFP responses	13	18	15	12	11	11	13	12
(B) Mutual funds meeting screening requirements	15	13	22	5	23	26	11	16
Total funds reviewed in Stage 1 (A+B)) Q	31	37	17	34	37	24	28
Recommended strategies moving to Stage 2	7	11	13	9	7	7	4	11

Note: Some of the mutual fund managers submitted RFP responses, and those vehicles will be evaluated with the Institutional Products.



Active International Small Cap



Stage 1 Evaluation Process Active International Small Cap Equity

Initial Candidate Pool - 22 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian Mondrian Manning & Napier AllianceBernstein American Century** Principal* **Brown Capital** Oakmark T. Rowe Price** AQR DFA Royce Barings TimesSquare* Fidelity Vanguard Fidelity Victory Capital* Goldman Sachs William Blair** Franklin Templeton*

Cut 1: Minimum Qualifications - 20 total strategies

Institutional Product RFP Response

Kayne Anderson**

Mutual Fund Only

Acadian	Mondrian	AllianceBernstein	Manning & Napier
American Century**	Principal*	Brown Capital	Oakmark
Barings	T. Rowe Price**	DFA	Royce
Fidelity	TimesSquare*	Goldman Sachs	Vanguard
Franklin Templeton*	Victory Capital*		
Kayne Anderson**	William Blair**		

AQR was removed for not meeting the minimum qualification of strategy assets greater than \$1Bn. Fidelity MF (this strategy is different from the one proposed on the Institutional Product RFP), T. Rowe Price MF and William Blair MF were excluded from further consideration due to being closed to new investors per recordkeeper.

^{*}Mutual fund vehicle also available and passed initial screening

Active International Small Cap Equity

Cut 2: Org Background and Business Strength - 20 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian **American Century**

Mondrian Principal* AllianceBernstein

Manning & Napier

Barings

T. Rowe Price

Brown Capital DFA

Oakmark Royce

Fidelity

TimesSquare*

Goldman Sachs

Vanguard

Franklin Templeton*

Victory Capital*

Kayne Anderson

William Blair

No managers removed

Cut 3: Investment Experience – 17 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian

Principal*

AllianceBernstein

Goldman Sachs

American Century

T. Rowe Price

Brown Capital

DFA

Oakmark

Fidelity

TimesSquare* Victory Capital* Vanguard

Franklin Templeton* **Kayne Anderson**

William Blair

Mondrian

Barings, Manning & Napier, and Royce were removed due to City of LA mandate representing more than 10% of strategy assets, making concentration risk higher than desired.

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening MERCER

Active International Small Cap Equity

Cut 4: Investment Approach & Process – 17 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian** **American Century**

T. Rowe Price**

Principal*

AllianceBernstein

Goldman Sachs

Fidelity

TimesSquare*

Brown Capital

Oakmark

Franklin Templeton*

Victory Capital*

DFA

Vanguard

Kayne Anderson**

William Blair**

Mondrian

No managers removed

Cut 5: Performance – 11 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian

T. Rowe Price**

AllianceBernstein

Brown Capital

American Century** **Fidelity**

TimesSquare* Victory Capital*

Kavne Anderson**

William Blair**

Mondrian

DFA, Goldman Sachs, Franklin Templeton, Principal, Oakmark and Vanguard were removed due to 5- year Information Ratio and Sharpe Ratio below median.

^{*}Mutual fund vehicle also available and passed initial screening

Active International Small Cap Equity

Cut 6: Administration & Reporting and Transition - 10 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian T. Rowe Price** AllianceBernstein Brown Capital

American Century** TimesSquare*
Fidelity Victory Capital*
Kayne Anderson** William Blair**

Mondrian was removed due to only having a separate account option which would require additional administrative, custody and trading fees, and added complexities. Given the number of qualified strategies, we don't believe it necessary to incur this complexity.

Cut 7: Fees - 7 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian Kayne Anderson* AllianceBernstein

American Century** Victory Capital*
Fidelity William Blair**

T. Rowe Price, TimesSquare and Brown Capital* were removed due to the lowest cost viable vehicle having an expense ratio in the bottom third of candidates (above 0.93%).

^{*}Mutual fund vehicle also available and passed initial affices pood to revenue sharing information requests from Voya/Mercer.



Stage 1 Evaluation Process Active International Small Cap Equity

Finalists – 7 total strategies Institutional Product RFP Response Mutual Fund Only Acadian Kayne Anderson* AllianceBernstein American Century** Victory Capital* Fidelity William Blair**

• Following the stage 1 screening process, 7 active international small cap equity strategies are recommended to be included in the search deck.

Active International Small Cap Equity

		Organizational Strength And Continuity			
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*
Acadian		217	107.2	1986	
American Century		196	212.5	1958	
Barings		773	345.2	1940	
Fidelity		634	257.6	1946	
Franklin Templeton		727	1,497.60	1947	
Kayne Anderson		62	51.7	1984	
Mondrian		69	54.9	1990	
Principal		561	545	1998	
T. Rowe Price		2449	1,470.20	1937	
TimesSquare		46	16.2	2000	
Victory Capital		224	147.2	1894	
William Blair		143	69.7	1935	
AB		582	685.9	1971	N/A*
Brown		20	18.5	1983	N/A*
DFA		571	600.8	1981	N/A*
Goldman Sachs		706	1,953.80	1988	N/A*
Manning & Napier		153	20.1	1970	N/A*
Oakmark		48	103.6	1976	N/A*
Royce		59	14.5	1972	N/A*
Vanguard		277	6,742.20	1975	N/A*
	Favorable	>50	>25B	>10 years	
		26-50	10B-25B 5B-<10B	5-10 years	
	Further Review Concerns	11-25 <=10	<5B	3-<5 years <3 Years	

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



Active International Small Cap Equity

	Investment Experience					
	History Of Managing Intl SC Equity	Scale Of Intl SC Equity Assets Under Management (\$B)	City of LA % of Strategy Assets	Number of Portfolio Managers		
Acadian	1993	9.3	1.3%	18		
American Century	2001	2	5.9%	3		
Barings	2009	1.1	10.2%	4		
Fidelity	1995	2.6	4.6%	2		
Franklin Templeton	1991	3.7	3.3%	21		
Kayne Anderson	2012	3	4.0%	2		
Mondrian	1998	6	2.0%	4		
Principal	1995	4.8	2.5%	2		
T. Rowe Price	1988	12.3	1.0%	3		
TimesSquare	2012	2.9	4.1%	1		
Victory Capital	2007	4.5	2.7%	4		
William Blair	2004	3.1	3.9%	2		
AB	2014	3.6	3.3%	2		
Brown	2013	2.5	4.7%	4		
DFA	1996	14.4	0.9%	42		
Goldman Sachs	2005	3.6	3.3%	21		
Manning & Napier	2012	1.1	10.2%	1		
Oakmark	1995	2.1	5.6%	3		
Royce	2010	1.1	10.2%	1		
Vanguard	1996	2.8	4.3%	6		

>10 Years	>2-12	<3%	
3-10 Years	>12-18	3-5%	2-10 & fundamental
5-7 Years	1-2, >18-20	>5% - 10%	1 or >10 &
<5 Years	<1, >20	>10%	Fundamental

	Investment Approach And Process						
Investment Approach	Typical Number of Holdings*	Expected Annual Turnover	EM Exposure				
Quantitative	1,488	60%	0.00%				
Fundamental	126	150%	17.90%				
Fundamental	104	Not provided	1.50%				
Fundamental	200	45%	3.90%				
Fundamental	109	Not provided	22.40%				
Fundamental	42	30%	20.20%				
Blend	85	30%	0.00%				
Fundamental	205	75%	0.00%				
Fundamental	218	60%	21.50%				
Fundamental	75	40%	8.70%				
Fundamental	216	75%	4.90%				
Fundamental	105	100%	25.00%				
Fundamental	100	45%	10.50%				
Fundamental	41	Not provided	0.80%				
Quantitative	4,227	13%	2.20%				
Quantitative	353	Not provided	0.00%				
Fundamental	80-105	85%	14.00%				
Fundamental	59	40%	14.10%				
Fundamental	61	21%	3.40%				
Blend	533	29%	9.40%				

	51-125	<50	0-10
	126-200	50-100	11-20
	<50, >200	101-200	21-25
		>200	>25



Active International Small Cap Equity

		Benchmark					
	Overall 5-Year Performance Relative to Universe	5-Year Std Dev	5-Year IR	5-Year Sharpe Ratio	Correlation vs MSCI EAFE Small Cap Index	Overall Performance Metrics (1-20) (assigns a 1-4 point score for each of the 5 performance dimensions to the left.)	
Acadian	11.3	16.9	0.5	0.6	0.99	17	MSCI EAFE Small Cap
American Century	13.8	18.7	0.7	0.7	0.96	17	MSCI ACWI ex-US Small Cap
Barings	10	16.5	0.1	0.5	0.99	17	MSCI EAFE Small Cap
Fidelity	10.7	17.5	0.3	0.5	0.99	16	S&P Developed ex-US SmallCap
Franklin Templeton	8.8	18	-0.3	0.4	0.99	10	MSCI ACWI ex-US Small Cap
Kayne Anderson	19.8	17.4	1.6	1.1	0.96	19	MSCI ACWI ex-US Small Cap
Mondrian	10.1	17.7	0.1	0.5	0.99	16	MSCI World ex-US Small Cap
Principal	8.9	18.3	-0.3	0.4	0.99	10	MSCI World ex-US Small Cap
T. Rowe Price	16	17	1.3	0.9	0.96	20	S&P Global ex-US SmallCap
TimesSquare	10.3	19.4	0.1	0.5	0.98	14	MSCI EAFE Small Cap
Victory Capital	10.5	18.2	0.2	0.5	0.99	15	S&P Developed ex-US SmallCap
William Blair	12.2	18.3	0.5	0.6	0.97	15	MSCI ACWI ex-US Small Cap
AB	11	18	0.3	0.5	0.99	16	MSCI ACWI ex-US Small Cap
Brown	22.5	17.9	1.5	1.2	0.89	17	MSCI ACWI ex-US Small Cap
DFA	9.1	18.2	-0.3	0.4	1	10	MSCI ACWI ex-US Small Cap
Goldman Sachs	8.7	17.3	-0.5	0.4	0.99	12	MSCI EAFE Small Cap
Manning & Napier	15.2	17.2	0.8	0.8	0.94	19	MSCI ACWI ex-US Small Cap
Oakmark	8.8	23.3	-0.1	0.3	0.97	9	MSCI World ex-US Small Cap
Royce	15.1	16.3	1	0.9	0.95	19	MSCI ACWI ex-US Small Cap
Vanguard	8	18.6	-0.5	0.4	0.99	9	S&P EPAC SmallCap

1st Quartile (>12.3)	1st Quartile (<17.4)	1st Quartile (>0.5)	1st Quartile (>0.6)	0.96-1	18-20
2nd Quartile (10.0-12.3)	2nd Quartile (18.0-17.4)	2nd Quartile (0.1-0.5)	2nd Quartile (0.5-0.6)	0.91-0.95	15-17
3rd Quartile (7.9-10.0)	3rd Quartile (18.0-18.4)	<0.1 (Madian)	OF (Madian)	0.85-0.90	13-14
4th Quartile (<7.9)	4th Quartile (>18.4)	<0.1 (Median)	<0.5 (Median)	<0.85	<13



Active International Small Cap Equity

	Portfolio Transition		
Acadian			
American Century			
Barings			
Fidelity			
Franklin Templeton			
Kayne Anderson			
Mondrian	Sep. Acct Only		
Principal			
T. Rowe Price			
TimesSquare			
Victory Capital			
William Blair			
АВ			
Brown			
DFA			
Goldman Sachs			
Manning & Napier			
Oakmark			
Royce			
Vanguard			

Administrative a	and Reporting
Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting
	If SA used
	If SA used
	If SA used
	If SA used
Sep. Acct Only	Sep. Acct Only
	If SA used

	Fees						
Separate Account	CIT	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio			
0.67%	0.85%	N/A	CIT	0.85%			
0.87%	0.95%	0.76%	MF	0.76%			
N/A	0.78%	N/A	CIT	0.78%			
N/A	0.75%	N/A	CIT	0.75%			
0.80%	N/A	1.03%	MF	1.03%			
0.80%	0.80%	1.19%	CIT	0.80%			
0.75%	N/A	N/A	SA	0.75%			
N/A	0.70%	1.08%	CIT	0.70%			
0.90%	1.00%	1.06%	CIT	1.00%			
N/A	0.95%	0.98%	CIT	0.95%			
N/A	0.75%	0.96% (0.10%)	CIT	0.75%			
N/A	0.89%	1.14%	CIT	0.89%			
		1.09% (0.25%)		0.84%			
		1.15%		1.15%			
		0.44%		0.44%			
		0.99% (0.30%)		0.69%			
		1.01%		1.01%			
		1.37% (0.35%)		1.02%			
		1.19% (0.20%)		0.99%			
		0.39%		0.39%			

MF transition
CIT transition (existing)
New CIT Transition
Sep Acct Transition



Grey shading indicates fees above MF screening threshold

Top 67% (0.93% or less) Bottom 33%



Active International Developed Markets Equity

Initial Candidate Pool - 24 total strategies

Institutional Product RFP Response

MFS*

J P Morgan* Lazard (Intl Strat)

American Century**
Altrinsic

Acadian

Acadian

Altrinsic

Baillie Gifford* Pyrford
BlackRock Sprucegrove
Capital Group (Intl Eq) T. Rowe Price*
ClearBridge Walter Scott*
Franklin Templeton* Wellington*
J O Hambro** William Blair**

Mutual Fund Only

Capital Group (Intl Gro & Inc) Lazard (Intl Eq)
Dodge & Cox Morgan Stanley
Hartford (Schroders) TIAA

Cut 1: Minimum Qualifications - 22 total strategies

Institutional Product RFP Response

Lazard (Intl Strat) MFS* Pyrford

Baillie Gifford* Pyrford
Capital Group (Intl Eq) Sprucegrove
ClearBridge T. Rowe Price*
Franklin Templeton* Walter Scott*
J O Hambro** Wellington*
J P Morgan* William Blair**

Mutual Fund Only

Capital Group (Intl Gro & Inc) Lazard (Intl Eq)
Dodge & Cox Morgan Stanley
Hartford (Schroders) TIAA

American Century and BlackRock were removed for not meeting the minimum qualification of having at least \$5 Billion in total strategy assets.

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

MERCER

Active International Developed Markets Equity

Cut 2: Org Background and Business Strength - 22 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian Lazard (Intl Strat) Altrinsic MFS* Baillie Gifford* **Pyrford**

Capital Group (Intl Eq) Sprucegrove ClearBridge T. Rowe Price* Franklin Templeton* Walter Scott*

J O Hambro** Wellington* J P Morgan* William Blair** Capital Group (Intl Gro & Inc) Lazard (Intl Eq) Dodge & Cox Morgan Stanley Hartford (Schroders)

TIAA

No managers removed

Cut 3: Investment Experience - 25 total strategies

Institutional Product RFP Response

Mutual Fund Only

Acadian Lazard (Intl Strat) Altrinsic MFS* Baillie Gifford* Pyrford

Capital Group (Intl Eq) Sprucegrove

Capital Group (Intl Gro & Inc) Lazard (Intl Eq) Dodge & Cox Morgan Stanley Hartford (Schroders) TIAA

T. Rowe Price* Walter Scott* Wellington* William Blair**

No managers removed

ClearBridge

J O Hambro**

J P Morgan*

Franklin Templeton*



^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

Active International Developed Markets Equity

Cut 4: Investment Approach & Process – 22 total strategies

Institutional Product RFP Response

<u>Mutual Fund Only</u>

Acadian Lazard (Intl Strat)
Altrinsic MFS*
Baillie Gifford* Pyrford
Capital Group (Intl Eq.) Sprucegrove

Capital Group (Intl Eq) Sprucegrove
ClearBridge T. Rowe Price*
Franklin Templeton* Walter Scott*
J O Hambro** Wellington*
J P Morgan* William Blair**

Capital Group (Intl Gro & Inc) Lazard (Intl Eq)
Dodge & Cox Morgan Stanley

Hartford (Schroders) TIAA

No managers removed

Cut 5: Performance – 16 total strategies

Institutional Product RFP Response

Acadian Lazard (Intl Strat)
Altrinsic MES*

Baillie Gifford* Pyrford
Capital Group (Intl Eq) T. Rowe Price*
ClearBridge Walter Scott*
Franklin Templeton* Wellington*
J O Hambro** William Blair**

J P Morgan*

Mutual Fund Only

Hartford (Schroders)

Sprucegrove, Capital Group (Intl Gro & Inc), Dodge & Cox, Lazard (Intl Eq), Morgan Stanley & TIAA were removed due to poor overall performance metrics.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Stage 1 Evaluation Process Active International Developed Markets Equity

Cut 6: Administration & Reporting and Transition – 15 total strategies

Institutional Product RFP Response

Mutual Fund Only

Hartford (Schroders)

Altrinsic

Lazard (Intl Strat)

Baillie Gifford* MFS* Capital Group (Intl Eq) Pyrford

ClearBridge T. Rowe Price* Franklin Templeton* Walter Scott* J O Hambro** Wellington* J P Morgan* William Blair**

Acadian was removed due to only having a separate account option which would require additional administrative, custody and trading fees, and added complexities. Given the number of qualified strategies, we don't believe it necessary to incur this complexity.

Cut 7: Fees – 11 total strategies

Institutional Product RFP Response

Pyrford Capital Group (Intl Eq) T. Rowe Price*

ClearBridge Walter Scott* J P Morgan* Wellington* William Blair** MFS*

Lazard

Baillie Gifford*

Mutual Fund Only

Altrinsic, Franklin Templeton, J O Hambro & Hartford (Schroders) were removed due to the lowest cost viable vehicle having an expense ratio in the bottom third of candidates (above 0.60%).

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Stage 1 Evaluation Process Active International Developed Markets Equity



• Following the stage 1 screening process, 11 active international developed equity strategies are recommended to be included in the search deck.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

	Organizational Strength And Continuity					
		Organiz	ational Strength And Co	ntinuity		
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*	
Acadian		212	107.2	1986		
Altrinsic		27	8.8	2000		
Baillie Gifford		300	445.3	1908		
Capital Group (Intl Eq)		4,381	2,404.2	1931		
Clear Bridge		144	177.0	1962		
Franklin Templeton		715	1,497.6	1947		
J O Hambro		65	41.0	1993		
JP Morgan		1,085	2,310.3	1984		
Lazard (Intl Strategic)		543	229.7	1970		
MFS (Incumbent)		247	608.4	1924		
Pyrford		35	10.8	1987		
Sprucegrove		51	22.5	1993		
T. Rowe Price		2,596	1,470.2	1937		
Walter Scott		60	93.6	1983		
Wellington		889	1,291.4	1928		
William Blair		143	69.7	1935		
Capital Group (Intl Gro & Inc)		4,381	2,404.2	1931	N/A*	
Dodge & Cox		117	325.3	1930	N/A*	
Hartford (Schroders)		5,253	785.1	1804	N/A*	
Lazard (Intl Eq)		543	229.7	1970	N/A*	
Morgan Stanley		731	781.3	1975	N/A*	
TIAA		812	769.5	1918	N/A*	

Favorable	>50	>25B	>10 years	
Favorable	26-50	>5B-25B	5-10 years	
Further Review	11-25	5B-10B	3-<5 years	
Concerns	<10	<5B	<3 years	

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



	Investment Experience			
	History Of Managing Intl	Scale Of Intl Dev Equity Assets Under	City of LA % of Strategy	Number of Portfolio
	Dev Equity	Management (\$B)	Assets	Managers
Acadian	1995	8.8	5.0%	18
Altrinsic	2000	7.2	6.0%	3
Baillie Gifford	2002	25.2	1.8%	6
Capital Group (Intl Eq)	1978	11.7	3.8%	4
Clear Bridge	1996	7.3	6.0%	4
Franklin Templeton	1987	6.3	6.8%	2
J O Hambro	2008	13.9	3.2%	2
JP Morgan	1982	14.8	3.0%	5
Lazard (Intl Strategic)	2001	20.5	2.2%	4
MFS (Incumbent)	1996	23.3	1.9%	4
Pyrford	1996	5.6	7.6%	8
Sprucegrove	1985	13.1	3.4%	2
T. Rowe Price	2000	39.2	1.2%	1
Walter Scott	1985	31.3	1.5%	23
Wellington	1994	11.5	3.9%	2
William Blair	2003	8.9	5.0%	2
Capital Group (Intl Gro & Inc)	2008	19.1	2.4%	7
Dodge & Cox	2001	43.4	1.1%	9
Hartford (Schroders)	2003	7.6	5.7%	2
Lazard (Intl Eq)	1995	13.1	3.4%	6
Morgan Stanley	1986	6.9	6.3%	9
TIAA	1997	6.2	7.0%	1

>10 years	>15-50	<3%	
>7 Years	>8-15	3-5%	
			1 or >10 &
>5 Years	5-8, >50	>5% - 10%	Fundamental
<5 Years	<5	>10%	

Investment Approach And Process					
Investment Approach	Typical Number of Holdings*	Expected Annual Turnover	EM Exposure		
Quantitative	336	75%	2.6%		
Fundamental	63	30%	7.4%		
Fundamental	70-110	20%	24.4%		
Fundamental	177	25%	8.3%		
Fundamental	53	30%	6.4%		
Blend	34	40%	5.7%		
Fundamental	50	100%	4.1%		
Fundamental	80	30%	6.4%		
Fundamental	64	60%	8.7%		
Fundamental	80	11%	8.1%		
Fundamental	75-85	35%	8.8%		
Fundamental	85	8%	11.8%		
Fundamental	157	35%	7.5%		
Fundamental	51	20%	4.0%		
Fundamental	70-120	107%	20.7%		
Fundamental	67	80%	16.4%		
Fundamental	235	35%	22.7%		
Fundamental	67	20%	18.1%		
Fundamental	51	60%	16.3%		
Fundamental	72	40%	7.1%		
Fundamental	56	40%	8.6%		
Blend	93	55%	6.4%		

51-125	<50	0-10
126-200	51-100	11-20
<50 <i>,</i> >200	101-200	21-25
	>200	>25

^{*}Legend applies to Fundamental and Blend strategies



		ı	nvestment Pe	rformance			Benchmark
	Overall 7-Year Performance Relative to Benchmark	7-Year Std Dev	7-Year IR	7-Year Sharpe Ratio	Correlation vs MSCI EAFE (Net) Index	Overall Performance Metrics (1-20) (Assigns a 1-4 point score for each of the 5 performance dimensions to the left)	
Acadian	8.2	16.2	1.17	0.45	0.98	19	MSCI EAFE
Altrinsic	6.6	15.4	0.52	0.37	0.98	17	MSCI EAFE
Baillie Gifford	10.5	18.8	0.98	0.51	0.96	17	MSCI ACWI ex USA
Capital Group (Intl Eq)	8.9	17.4	0.88	0.46	0.97	18	MSCI EAFE
Clear Bridge	11.1	17.0	1.25	0.60	0.96	18	MSCI EAFE
Franklin Templeton	11.4	20.8	0.76	0.51	0.92	16	MSCI EAFE
J O Hambro	10.4	16.5	0.75	0.57	0.90	17	MSCI EAFE
JP Morgan	6.5	17.0	0.62	0.34	0.99	16	MSCI EAFE
Lazard (Intl Strategic)	6.2	16.7	0.39	0.32	0.98	13	MSCI EAFE
MFS (Incumbent)	7.6	15.2	1.04	0.44	0.99	19	MSCI EAFE
Pyrford	5.1	13.2	0.08	0.33	0.97	14	MSCI EAFE
Sprucegrove	4.4	18.6	-0.07	0.19	0.96	8	MSCI EAFE
T. Rowe Price	6.5	17.1	0.77	0.33	0.99	16	MSCI EAFE
Walter Scott	9.9	13.3	0.90	0.68	0.94	19	MSCI EAFE
Wellington	7.6	17.4	0.72	0.38	0.98	15	MSCI ACWI ex USA
William Blair	11.6	17.4	1.20	0.62	0.95	17	MSCI ACWI ex US IMI
Capital Group (Intl Gro & Inc)	5.1	17.4	0.07	0.24	0.98	10	MSCI ACWI ex USA
Dodge & Cox	4.2	20.5	-0.09	0.16	0.96	8	MSCI EAFE
Hartford (Schroders)	9.3	17.7	1.15	0.48	0.98	18	MSCI EAFE
Lazard (Intl Eq)	5.0	15.6	0.08	0.27	0.98	12	MSCI EAFE
Morgan Stanley	5.3	15.5	0.15	0.29	0.98	12	MSCI EAFE
TIAA	4.7	19.3	-0.02	0.20	0.97	8	MSCI EAFE

4th Quartile (<5.0)	4th Quartile (>18.3)	<0.39 (Median)	<0.32 (Median)	<0.85	<12
3rd Quartile (5.0-6.3)	3rd Quartile (17.0- 18.3)			0.85-0.90	13-14
2nd Quartile (6.3-8.0)	2nd Quartile (16.2- 17.0)	2nd Quartile (0.39-0.75)	2nd Quartile (0.32-0.43)	0.91-0.95	15-17
1st Quartile (>8.0)	1st Quartile (<16.2)	1st Quartile (>0.75)	1st Quartile (>0.43)	0.96-1	18-20



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Active International Developed Markets Equity

	Portfolio Transition
Acadian	
Altrinsic	
Baillie Gifford	
Capital Group (Intl Eq)	
ClearBridge	
Franklin Templeton	
J O Hambro	
JP Morgan	
Lazard (Intl Strategic)	
MFS (Incumbent)	
Pyrford	
Sprucegrove	
T. Rowe Price	
Walter Scott	
Wellington	
William Blair	
Capital Group (Intl Gro & Inc)	
Dodge & Cox	
Hartford (Schroders)	
Lazard (Intl Eq)	
Morgan Stanley	
TIAA	

Administrative and Reporting				
Additional Sep. Acct Costs/Reporting				
Sep Acct				
If SA used				
If SA used				
If SA used				
If SA used				
If SA used				
If SA used				
If SA used				
If SA used				
If SA used				
If SA used				

Fees					
Separate Account (Management Fee Only)	CIT	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio	
0.50%	N/A	N/A	SA	0.50%	
0.53%	0.63%	N/A	CIT	0.63%	
0.41%	N/A	0.59%	MF	0.59%	
0.43%	0.45%	N/A	CIT	0.45%	
0.47%	0.50%	N/A	CIT	0.50%	
0.44%	N/A	0.74%	MF	0.74%	
0.58%	N/A	0.98%	MF	0.98%	
N/A	0.48%	0.50%	CIT	0.48%	
0.54%	0.60%	N/A	CIT	0.60%	
0.42%	0.46%	0.70%	CIT	0.46%	
0.40%	0.49%	N/A	CIT	0.49%	
N/A	0.44%	N/A	CIT	0.44%	
0.43%	0.50%	0.66%	CIT	0.50%	
N/A	0.61%	0.91% (0.40%)	MF	0.51%	
N/A	0.55%	0.71%	CIT	0.55%	
N/A	0.46%	0.85%	CIT	0.46%	
		0.54%	MF	0.54%	
		0.63% (0.10%)	MF	0.53%	
		0.75%	MF	0.75%	
		0.82% (0.15%)	MF	0.67%	
		1.25% (0.50%)	MF	0.75%	
		0.48%	MF	0.48%	

Mutual Fund Existing CIT New CIT
Existing CIT
New CIT
Sep Account



Grey shading indicates fees above MF screening threshold

Top 67%

Bottom 33%





Stage 1 Evaluation Process Active Emerging Markets Equity

Initial Candidate Pool - 35 total strategies

Institutional Product RFP Response		Mutual Fund Only	
AQR	Franklin Templeton**	American Century	JP Morgan
Axiom	Genesis	Baron Capital	Lazard
		Causeway	Martin Currie
Baillie Gifford*	GMO**	Columbia Threadneedle (MF)	MFS
BlackRock	Neuberger Berman**	DFA (Large Cap)	Morgan Stanley
Columbia Threadneedle*	T. Rowe Price	DFA (All Cap)	Ninety One
Driehaus Capital	Wells Fargo**	Fidelity (MF)	RBC
•	~	Goldman Sachs	UBS
Fidelity	William Blair (EM Growth)	** Goldman Sachs (Insights)	Virtus
Fisher Investments		Harding Loevner	William Blair (EM Leaders)

Cut 1: Minimum Qualifications - 33 total strategies

Institutional Product RFP Response		<u>Mutual Fund O</u>	<u>Only</u>	
	AQR	Fisher Investments	American Century	Lazard
	-		Baron Capital	Martin Currie
	Axiom	Franklin Templeton**	Causeway	MFS
	Baillie Gifford*	Genesis	Columbia Threadneedle (MF)	Morgan Stanley
	BlackRock	Neuberger Berman**	DFA (Large Cap)	Ninety One
	Columbia Threadneedle*	T. Rowe Price	DFA (All Cap)	RBC
	Driehaus Capital	Wells Fargo**	Fidelity (MF)	UBS
	· ·	· ·	Goldman Sachs	Virtus
	Fidelity	William Blair (EM Growth)**	Goldman Sachs (Insights)	William Blair (EM Leaders)
			Harding Loevner	

GMO was removed for not meeting the minimum qualification of strategy assets greater than \$5Bn. JP Morgan was removed for not meeting the minimum qualification of strategy assets under \$40Bn.

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

MERCER

Active Emerging Markets Equity

Cut 2: Org Background and Business Strength – 33 total strategies

Institutional Product RFP Response		<u>Mutual Fund Only</u>	
AQR	Fisher Investments	American Century	Lazard
•		Baron Capital	Martin Currie
Axiom	Franklin Templeton**	Causeway	MFS
Baillie Gifford*	Genesis	Columbia Threadneedle (MF)	Morgan Stanley
BlackRock	Neuberger Berman**	DFA (Large Cap)	Ninety One
	ŭ	DFA (All Cap)	RBC
Columbia Threadneedle*	T. Rowe Price	Fidelity (MF)	UBS
Driehaus Capital	Wells Fargo**	Goldman Sachs	Virtus
Fidelity	William Blair (EM Growth)**	Goldman Sachs (Insights)	William Blair (EM Leaders)
	(2 0.03411)	Harding Loevner	

No managers removed

Cut 3: Investment Experience - 33 total strategies

Institutional Product RFP Response		<u>Mutual Fund Only</u>		
	AQR	Fisher Investments	American Century	Lazard
	~		Baron Capital	Martin Currie
	Axiom	Franklin Templeton**	Causeway	MFS
	Baillie Gifford*	Genesis	Columbia Threadneedle (MF)	Morgan Stanley
	BlackRock	Neuberger Berman**	DFA (Large Cap)	Ninety One
	Columbia Threadneedle*	T. Rowe Price	DFA (All Cap)	RBC
			Fidelity (MF)	UBS
	Driehaus Capital	Wells Fargo**	Goldman Sachs	Virtus
	Fidelity	William Blair (EM Growth)**	Goldman Sachs (Insights)	William Blair (EM Leaders)
			Harding Loevner	

No managers removed

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Active Emerging Markets Equity

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Cut 4: Investment Approach & Process – 33 total strategies

<u>IIISCICULIOIIA</u>	II FIOUULL NEE NESPONSE		
A O D	Fieles Issuestas auto	American Century	Lazard
4QR	Fisher Investments	Danier Canital	N 4+:

AQR FISher Investments

Baron Capital Martin Currie

Axiom Franklin Templeton**

Causeway MFS

Baillie Gifford* Columbia Threadneedle (MF) Morgan Stanley Genesis Ninety One DFA (Large Cap) BlackRock Neuberger Berman** RBC DFA (All Cap) Columbia Threadneedle* T. Rowe Price Fidelity (MF) UBS **Driehaus Capital** Wells Fargo** Goldman Sachs Virtus

Fidelity William Blair (EM Growth)** Goldman Sachs (Insights) William Blair (EM Leaders)

Harding Loevner

Mutual Fund Only

No managers removed

Cut 5: Performance – 21 total strategies

Institutional Product RFP Response Mutual Fund Only

Axiom Fisher Investments American Century Goldman Sachs (Insights)

Baillie Gifford* Neuberger Berman** Baron Capital Martin Currie

BlackRock T. Rowe Price Columbia Threadneedle (MF) RBC
Columbia Threadneedle* Wells Fargo** Fidelity (MF) UBS

Driehaus Capital William Blair (EM Growth)** Goldman Sachs William Blair (EM Leaders)

Fidelity

AQR, Franklin Templeton, Genesis, Causeway, DFA (Large Cap), DFA (All Cap), Harding Loevner, Lazard, MFS, Morgan Stanley, Ninety One, and Virtus were removed due to performance generally below expectations.

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^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

Stage 1 Evaluation Process Active Emerging Markets Equity

Cut 6: Administration & Reporting and Transition – 21 total strategies

Institutional Product RFP Response

Fisher Investments

T. Rowe Price

Wells Fargo**

William Blair (EM Growth)**

Neuberger Berman**

BlackRock

Driehaus Capital

Baillie Gifford*

Columbia Threadneedle*

Fidelity

Axiom

se <u>Mutual Fund Only</u>

American Century Goldman Sachs (Insights)

Baron Capital Martin Currie

Columbia Threadneedle (MF) RBC Fidelity (MF) UBS

Goldman Sachs William Blair (EM Leaders)

No managers removed

Cut 7: Fees - 13 total strategies

Institutional Product RFP Response

Axiom Fidelity

Baillie Gifford* Fisher Investments
BlackRock T. Rowe Price

Columbia Threadneedle* Wells Fargo**

Driehaus Capital William Blair (EM Growth)**

Mutual Fund Only

Fidelity (MF) UBS

Neuberger, American Century, Baron Capital, Columbia Threadneedle (MF), Goldman Sachs (Insights), Martin Currie, RBC, and William Blair (EM Leaders) were removed due to high expense ratios above median of group.

Goldman Sachs

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

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Stage 1 Evaluation Process Active Emerging Markets Equity

Institutional Product RFP Response Axiom Fidelity Fidelity (MF) UBS Baillie Gifford* Fisher Investments Goldman Sachs BlackRock T. Rowe Price Columbia Threadneedle* Wells Fargo** Driehaus Capital William Blair (EM Growth)**

• Implementing the Stage 1 Evaluation Process results in a total of 13 active international emerging markets equity candidates (noted above) for further consideration in Stage 2.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

		Organizational Strength And Continuity				
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*	
AQR		400	140.3	1998		
Axiom		38	18.5	1998		
Baillie Gifford		300	445.4	1908		
BlackRock		2,570	8,576.9	1988		
Columbia Threadneedle		265	396.2	1985		
Oriehaus Capital		39	12.3	1982		
idelity		622	295.8	1946		
isher Investments		90	154.1	1979		
ranklin Templeton		715	1,497.6	1947		
Genesis		31	22.0	1989		
MO		126	55.7	1977		
leuberger Berman		1242	405.4	1939		
. Rowe Price		2596	1,470.2	1937		
Vells Fargo		451	509.0	1981		
William Blair (EM Growth)		143	69.7	1935		
American Century		199	212.5	1958	N/A*	
Baron Capital		103	47.7	1982	N/A*	
Causeway		36	45.5	2001	N/A*	
Columbia Threadneedle (MF)		265	396.2	1985	N/A*	
OFA (Large Cap)		571	600.8	1981	N/A*	
OFA (All Cap)		571	600.8	1981	N/A*	
idelity (MF)		761	3,609.1	1946	N/A*	
oldman Sachs		706	1,953.8	1988	N/A*	
oldman Sachs (Insights)		706	1,953.8	1988	N/A*	
larding Loevner		63	84.0	1989	N/A*	
PMorgan		1,085	2,310.3	1984	N/A*	
azard		543	229.7	1970	N/A*	
Martin Currie		61	18.6	1881	N/A*	
MFS		247	608.4	1924	N/A*	
Morgan Stanley		731	781.3	1975	N/A*	
linety One		241	128.2	1991	N/A*	
RBC		753	429.0	1959	N/A*	
JBS		834	1,089.6	1989	N/A*	
/irtus		339	105.0	2009	N/A*	
William Blair (EM Leaders)		143	69.7	1935	N/A*	

Face was labelle	>50	>25B	>10 years
Favorable	26-50	10B-25B	5-10 years
Further Review	11-25	5B-10B	3-<5 years
Concerns	<10	<5B	<3 years

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



	Investment Experience			
	History Of Managing Intl EM Equity	Scale Of Intl EM Equity Assets Under Management (\$B)	City of LA % of Strategy Assets	Number of Portfolio Managers
AQR	2008	13.1	0.9%	56
Axiom	2007	8.2	1.5%	4
Baillie Gifford	1994	17.9	0.7%	6
BlackRock	2002	13.6	0.9%	17
Columbia Threadneedle	2011	7.0	1.8%	5
Driehaus Capital	1997	5.6	2.2%	3
Fidelity	2008	10.5	1.2%	3
Fisher Investments	2006	15.0	0.8%	5
Franklin Templeton	1987	7.8	1.6%	26
Genesis	1989	21.2	0.6%	10
GMO	1993	3.6	3.3%	4
Neuberger Berman	1997	6.2	2.0%	3
T. Rowe Price	1995	31.8	0.4%	2
Wells Fargo	1997	13.1	0.9%	3
William Blair (EM Growth)	1996	6.0	2.0%	2
American Century	1997	5.8	2.1%	2
Baron Capital	2011	9.2	1.3%	1
Causeway	2007	7.3	1.7%	3
Columbia Threadneedle (MF)	2008	7.0	1.8%	5
DFA (Large Cap)	1994	6.8	1.8%	42
DFA (All Cap)	2005	32.2	0.4%	42
Fidelity (MF)	1990	7.8	1.6%	1
Goldman Sachs	1995	9.4	1.3%	2
Goldman Sachs (Insights)	2006	7.7	1.6%	5
Harding Loevner	1998	19.0	0.7%	4
JPMorgan	1994	51.3	0.2%	7
Lazard	1994	13.8	0.9%	4
Martin Currie	1991	5.9	2.1%	6
MFS	2000	8.2	1.5%	5
Morgan Stanley	1991	7.2	1.7%	5
Ninety One	2010	11.6	1.1%	17
RBC	2010	14.9	0.8%	8
UBS	2008	12.2	1.0%	7
Virtus	1999	6.4	1.9%	1
William Blair (EM Leaders)	2008	5.5	2.2%	2

Investm	Investment Approach And Process					
Investment Approach	Typical Number of Holdings*	Expected Annual Turnover				
Quantitative	279	64%				
Fundamental	70-85	72%				
Fundamental	60-100	40%				
Quantitative	346	92%				
Fundamental	86	50%				
Fundamental	92	330%				
Fundamental	117	80%				
Fundamental	55	25%				
Fundamental	72	20%				
Fundamental	90-110	25%				
Quantitative	396	98%				
Fundamental	95	40%				
Fundamental	87	30%				
Fundamental	105	20%				
Fundamental	140	100%				
Fundamental	82	60%				
Fundamental	101	25%				
Quantitative	141	90%				
Fundamental	110	50%				
Quantitative	1,597	10%				
Quantitative	5,624	10%				
Fundamental	98	49%				
Fundamental	158	35%				
Quantitative	246	150%				
Fundamental	78	30%				
Fundamental	77	20%				
Fundamental	74	40%				
Fundamental	39	30%				
Fundamental	69	35%				
Fundamental	79	50%				
Fundamental	84	62%				
Fundamental	47	35%				
Fundamental	31	35%				
Fundamental	60	31%				
Fundamental	51	80%				

>10 years	>5-20	<3%	
>7 - 10 Years	>20-30	3-5%	
			1 or >10 &
5 - 7 Years	>30-40	>5% - 10%	Fundamental
<5 Years	<5, >40	>10%	

51-125	<50
126-200	51-100
<50, >200	101-200
	>200



	Investment Performance					Benchmark	
	Overall 7-Year Performance Relative to Universe	7-Year Std Dev	7-Year IR	7-Year Sharpe Ratio	Correlation vs MSCI Emerging Markets Index	Overall Performance Metrics (1-20) (Assigns a 1-4 point score for each of the 5 performance dimensions to the left)	
AQR	7.3	19.8	0.3	0.33	0.99	11	MSCI Emerging Markets
Axiom	9.7	19.8	0.9	0.44	0.98	19	MSCI Emerging Markets
Baillie Gifford	11.9	23.2	0.8	0.48	0.97	17	MSCI Emerging Markets
BlackRock	8.2	19.3	1.1	0.38	1.00	18	MSCI Emerging Markets
Columbia Threadneedle	12.5	22.7	1.0	0.51	0.97	17	MSCI Emerging Markets
Driehaus Capital	9.1	19.1	0.6	0.43	0.97	18	MSCI Emerging Markets
Fidelity	10.2	20.5	1.2	0.45	0.99	18	MSCI Emerging Markets
Fisher Investments	8.8	20.9	0.5	0.38	0.98	15	MSCI Emerging Markets
Franklin Templeton	9.4	21.4	0.7	0.40	0.98	14	MSCI Emerging Markets
Genesis	7.7	19.7	0.3	0.35	0.98	11	MSCI Emerging Markets
GMO	6.7	18.3	0.0	0.32	0.97	11	MSCI Emerging Markets
Neuberger Berman	7.8	18.8	0.3	0.37	0.98	16	MSCI Emerging Markets
T. Rowe Price	10.2	19.2	1.2	0.49	0.99	20	MSCI Emerging Markets
Wells Fargo	9.4	20.1	0.7	0.42	0.98	17	MSCI Emerging Markets
William Blair (EM Growth)	10.8	21.5	0.6	0.46	0.95	15	MSCI Emerging Markets
							5 5
American Century	10.2	19.9	0.9	0.47	0.98	19	MSCI Emerging Markets
Baron Capital	8.7	20.9	0.4	0.38	0.96	15	MSCI Emerging Markets
Causeway	7.5	19.1	0.3	0.35	0.99	13	MSCI Emerging Markets
Columbia Threadneedle (MF)	11.0	22.3	0.8	0.45	0.97	17	MSCI Emerging Markets
DFA (Large Cap)*	6.7	19.8	0.0	0.29	0.99	10	MSCI Emerging Markets
DFA (All Cap)	6.5	20.5	0.0	0.28	0.99	9	MSCI Emerging Markets
Fidelity (MF)	11.0	19.6	0.8	0.52	0.96	19	MSCI Emerging Markets
Goldman Sachs	10.2	20.6	0.8	0.45	0.98	18	MSCI Emerging Markets
Goldman Sachs (Insights)	7.9	19.4	0.4	0.37	0.99	16	MSCI Emerging Markets
Harding Loevner	7.7	20.5	0.3	0.33	0.98	10	MSCI Emerging Markets
JPMorgan	10.9	20.2	1.0	0.50	0.98	19	MSCI Emerging Markets
Lazard	3.8	20.9	-0.4	0.14	0.95	8	MSCI Emerging Markets
Martin Currie	10.3	20.4	1.0	0.46	0.98	18	MSCI Emerging Markets
MFS	7.0	19.5	0.1	0.32	0.98	12	MSCI Emerging Markets
Morgan Stanley	6.5	19.4	0.0	0.29	0.98	11	MSCI Emerging Markets
Ninety One	7.7	19.8	0.4	0.34	0.99	13	MSCI Emerging Markets
RBC	9.2	17.3	0.6	0.48	0.98	18	MSCI Emerging Markets
UBS	11.5	20.2	1.2	0.53	0.98	19	MSCI Emerging Markets
Virtus	7.5	17.6	0.1	0.37	0.94	13	MSCI Emerging Markets
William Blair (EM Leaders)	9.5	20.5	0.5	0.42	0.96	15	MSCI Emerging Markets
William Diali (EM Ecadels)	5.5	20.3	0.5	0.72	0.50	13	Wise Filler Bill Mid Kets

1st Quartile (>9.6)	1st Quartile (<19.5)	1st Quartile (>0.7)	1st Quartile (>0.43)	0.96-1	18-20
2nd Quartile (8.1-9.6)	2nd Quartile (19.5-20.3)	2nd Quartile (0.3-0.7)	2nd Quartile (0.37-0.43)	0.91-0.95	15-17
3rd Quartile (6.8-8.1)	3rd Quartile (20.3-21.4)			0.85-0.90	
4th Quartile (<6.8)	4th Quartile (>21.4)	<0.3 (Median)	<0.37 (Median)	<0.85	<15

^{*}DFA (Large Cap) data represents mutual fund class I performance grossed up by its expense ratio of 0.39%



Active International Emerging Markets Equity

	Portfolio Transition	Administrative and Reporting		Fees				
		Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting	Separate Account	CIT	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio
AQR	Sep. Acct	No	Sep. Acct	0.83%	0.83%	N/A	SA	0.83%
Axiom				N/A	0.74%	N/A	CIT	0.74%
Baillie Gifford			If SA Used	0.72%	0.72%	0.76%	MF	0.76%
BlackRock				N/A	0.77%	N/A	CIT	0.77%
Columbia Threadneedle			If SA Used	0.59%	0.56%	1.22% (0.35%)	CIT	0.59%
Driehaus Capital*				N/A	0.68%	N/A	CIT	0.68%
Fidelity				N/A	0.63%	N/A	CIT	0.63%
Fisher Investments			If SA Used	0.75%	0.89%	N/A	CIT	0.75%
Franklin Templeton			If SA Used	0.92%	N/A	1.01%	MF	1.01%
Genesis			If SA Used	0.91%	0.87%	N/A	CIT	0.87%
GMO			If SA Used	0.84%	N/A	0.94%	MF	0.84%
Neuberger Berman				N/A	0.85%	1.16%	CIT	0.85%
T. Rowe Price			If SA Used	0.75%	0.80%	Closed	CIT	0.75%
Wells Fargo				N/A	0.79%	1.12%	CIT	0.79%
William Blair (EM Growth)				N/A	0.78%	1.20%	CIT	0.78%
American Century						0.90%	MF	0.90%
Baron Capital						1.09% (0.15%)	MF	0.94%
Causeway						1.08% (0.10%)	MF	0.98%
Columbia Threadneedle (MF)						1.22% (0.35%)	MF	0.87%
DFA (Large Cap)						0.35%	MF	0.35%
DFA (All Cap)						0.39%	MF	0.39%
Fidelity (MF)						0.80%	MF	0.80%
Goldman Sachs						1.13% (0.30%)	MF	0.83%
Goldman Sachs (Insights)						1.21% (0.30%)	MF	0.91%
Harding Loevner						1.32% (0.40%)	MF	0.92%
JPMorgan						0.79%	MF	0.79%
Lazard						1.08% (0.15%)	MF	0.93%
Martin Currie						0.85%	MF	0.85%
MFS						0.95%	MF	0.95%
Morgan Stanley						0.95%	MF	0.95%
Ninety One						0.85%	MF	0.85%
RBC						0.89%	MF	0.89%
UBS						1.00% (0.20%)	MF	0.80%
Virtus						0.98%	MF	0.98%
William Blair (EM Leaders)						1.15% (0.25%)	MF	0.90%
	Mutual Fund Existing CIT					Grey shading indicates fees		Top 50%
	New CIT					above MF		100000
	TACAA CI I					screening		
	Sep. Acct					threshold		Bottom 50%

^{*}Driehaus Capital offered an LP in addition to a CIT. No distinction was made between the fees for a CIT and LP



Active Core Plus Bond



Stage 1 Evaluation Process Active Core Plus Fixed Income

Initial Candidate Pool - 12 total strategies

Institutional Product RFP Response

BlackRock** Manulife DFA* PIMCO**

Fidelity Prudential (PGIM)**

Garcia Hamilton TCW*
J P Morgan* Wellington*
Loomis Sayles* Western Asset**

Cut 1: Minimum Qualifications – 12 total strategies

<u>Institutional Product RFP Response</u>

BlackRock** Manulife DFA* PIMCO**

Fidelity Prudential (PGIM)**

Garcia Hamilton TCW*
J P Morgan* Wellington*
Loomis Sayles* Western Asset**

No managers removed

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening MERCER

Stage 1 Evaluation Process Active Core Plus Fixed Income

Cut 2: Org Background and Business Strength – 12 total strategies

Institutional Product RFP Response

BlackRock** Manulife DFA* PIMCO**

Fidelity Prudential (PGIM)**

Garcia Hamilton TCW*

J P Morgan* Wellington*
Loomis Sayles* Western Asset**

No managers removed

Cut 3: Investment Experience – 12 total strategies

Institutional Product RFP Response

BlackRock** Manulife DFA* PIMCO**

Fidelity Prudential (PGIM)**

Garcia Hamilton TCW*
J P Morgan* Wellington*
Loomis Sayles* Western Asset**

No managers removed

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Active Core Plus Fixed Income

Cut 4: Investment Approach & Process - 10 total strategies

Institutional Product RFP Response

BlackRock**

PIMCO**

Fidelity

Prudential (PGIM)**

J P Morgan*

TCW*

Loomis Sayles*

Wellington*

Manulife

Western Asset**

DFA and Garcia Hamilton were removed due to not having any plus sector exposure, and therefore not fitting the ideal parameters for this mandate (i.e. exposure to spread sectors that complement benchmark holdings).

Cut 5: Performance – 9 total strategies

<u>Institutional Product RFP Response</u>

BlackRock**

PIMCO**

Fidelity

TCW*

J P Morgan* Loomis Sayles* Wellington* Western Asset**

Manulife

Prudential (PGIM) was removed due to poor overall performance metrics.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Stage 1 Evaluation Process Active Core Plus Fixed Income

Cut 6: Administration & Reporting and Transition – 9 total strategies **Institutional Product RFP Response** BlackRock** PIMCO** **Fidelity** TCW* J P Morgan* Wellington* Loomis Sayles* Western Asset** Manulife No managers removed **Cut 7: Fees – 9 total strategies Institutional Product RFP Response** BlackRock** PIMCO** Fidelity TCW* J P Morgan* Wellington* Loomis Sayles* Western Asset** Manulife

No managers were removed since all proposed fees are in-line with or below the current net effective expense ratio.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Stage 1 Evaluation Process Active Core Plus Fixed Income



• Following the stage 1 screening process, 9 active core plus fixed income strategies are recommended to be included in the search deck.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Active Core Plus Fixed Income

	Organizational Strength And Continuity							
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings			
BlackRock		2,570	8,576.9	1988				
DFA		571	600.8	1981				
Fidelity		622	257.6	1946				
Garcia Hamilton		27	16.7	1988				
JP Morgan		1,085	2,310.3	1984				
Loomis Sayles (incumbent)		735	347.8	1926				
Manulife		833	456.0	1887				
PIMCO		3,048	2,205.8	1971				
Prudential (PGIM)		490	968.2	1875				
TCW		153	246.1	1971				
Wellington		889	1,291.4	1928				
Western Asset		383	483.8	1971				

Favorable	>50	>25B	>10 years	
Favorable	26-50	>5B-25B	5-10 years	
Further Review	11-25	5B-10B	3-4 Years	
Concerns	<10	<5B	<3 Years	

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



Active Core Plus Fixed Income

	Investment Experience						
	History Of Managing Core Plus Fixed Income	Scale Of Core Plus FI Assets Under Management (\$B)	of Strategy	Number of Portfolio Managers*			
BlackRock	1991	32.3	1.2%	3			
DFA	2011	12.4	3.1%	12			
Fidelity	2000	59.9	0.7%	4			
Garcia Hamilton	1991	11.6	3.4%	5			
JPMorgan	1993	20.9	1.9%	8			
Loomis Sayles (incumbent)	1986	31.2	1.3%	2			
Manulife	1985	28.9	1.4%	3			
PIMCO	1971	139.5	0.3%	263			
Prudential (PGIM)	1996	104.0	0.4%	23			
тсw	1996	130.8	0.3%	10			
Wellington	1990	13.2	3.0%	14			
Western Asset	1993	116.8	0.3%	65			

	Investment Approach And Process								
Investment Approach - Quantitative (%)	Investment Approach - Qualitative (%)	Number of Issues	Average Quality	Minimum Issue Quality	Maximum Allocation to High Yield (%)	Maximum Allocation to Int'l Bonds (%)	Yield to Maturity (%)**	Effective Duration (years)**	
30	70	3,559	A+	В	20	20	2.7	5.1	
100	0	773	AA-	BBB	0	0	1.8	6.1	
25	75	2,810	А	ccc	30	8	2.2	6.2	
20	80	31	AA+	AA	0	0	1.4	4.8	
25	75	2,898	A+	N/A	25	25	2.0	5.4	
20	80	502	А	CCC & Below	20	10	2.4	5.7	
0	100	1,050	А	ccc	25	25	2.8	6.3	
10	90	7,500	A+	B-	20	30	2.6	5.5	
35	65	2,401	А	ccc	30	10	2.4	7.6	
10	90	470	AA	N/A	20	10	2.1	6.3	
10	90	385	A+	NR	20	20	2.5	6.0	
0	100	1,864	А	В	30	20	3.2	7.1	

>12 years	>20	<3%	
10-12 Years	>15-20	3-5%	
			1 or >15 &
7-9 Years	10-15	>5% - 10%	Fundamental
<7 Years	<10	>10%	

>300		30-15	30-15	>2.5	5.9-6.9
151-300		15-10	15-10	2.1-2.5	5.4-5.8, 7.0-7.4
-1.1-0		10			
51-150		<10	<10	1.6-2	4.9-5.3, 7.5-7.9
<50	BBB & Above	>30, 0	>30, 0	<1.6	<4.9, <7.9

^{**}Bloomberg Barclays US Aggregate Benchmark: Yield to Maturity is 1.6%. Effective Duration is 6.4 years.



^{*}Legend applies to Fundamental and Blend strategies

Active Core Plus Fixed Income

		Benchmark					
	Overall 7-Year Performance	7-Year Std Dev	7-Year IR	7-Year Sharpe Ratio	Correlation vs Blmbg Barc US Agg (unscored for FI)	Overall Performance Metrics (1-16)	
BlackRock	4.6	3.5	0.84	1.07	0.90	15	Bloomberg Barclays US Aggregate
DFA	3.9	3.6	0.66	0.87	0.97	9	Bloomberg Barclays US Aggregate
Fidelity	4.5	3.5	0.62	1.04	0.85	13	Bloomberg Barclays US Aggregate
Garcia Hamilton	3.7	3.1	0.35	0.92	0.94	7	Bloomberg Barclays US Aggregate
JPMorgan	4.4	3.2	0.88	1.15	0.92	15	Bloomberg Barclays US Aggregate
Loomis Sayles (incumbent)	4.3	3.7	0.49	0.95	0.82	11	Bloomberg Barclays US Aggregate
Manulife	4.7	3.6	0.69	1.07	0.84	15	Bloomberg Barclays US Aggregate
РІМСО	4.1	3.3	0.61	1.00	0.93	12	Bloomberg Barclays US Aggregate
Prudential (PGIM)	4.7	4.7	0.51	0.83	0.83	9	Bloomberg Barclays US Aggregate
тсw	4.0	3.0	1.25	1.06	0.98	14	Bloomberg Barclays US Aggregate
Wellington	4.4	3.5	0.64	1.01	0.89	12	Bloomberg Barclays US Aggregate
Western Asset	4.9	4.3	0.65	0.95	0.83	11	Bloomberg Barclays US Aggregate

2nd Quartile (4.2- 4.6)	2nd Quartile (3.3-		1st Quartile (>1.03) 2nd Quartile (0.95- 1.03)	Not evaluated due to low correlation offsetting Agg	
4th Quartile (<3.9)	4th Quartile (>4.1)	<-0.49 (Median)	<0.95 (Median)		<10



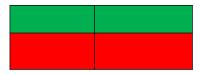
Active Core Plus Fixed Income

	Portfolio Transition
BlackRock	
DIACKROCK	
DFA	
Fidelity	
Garcia Hamilton	
JP Morgan	
Loomis Sayles (incumbent)	
Manulife	
РІМСО	
Prudential (PGIM)	
тсw	
Wellington	
Western Asset	

Administrative and Reporting						
Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting					
	If SA used					
	Sep. Acct					
	If C A a a al					
	If SA used					
	II SA used					
	If SA used					
	If SA used					

	Fees							
Separate Account (Management Fee Only)	СІТ	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio				
	0.19%	0.39%	CIT	0.19%				
0.11%		0.22%	MF	0.22%				
	0.25%		CIT	0.25%				
0.14%			SA	0.14%				
	0.18%	0.34%	CIT	0.18%				
0.24%	0.25%	0.47% (0.20%)	CIT	0.25%				
	0.17%		CIT	0.17%				
0.27%		0.46%	SA	0.27%				
	0.12%	0.39%	CIT	0.12%				
0.22%	0.22%	0.33%	CIT	0.22%				
	0.20%	0.35%	CIT	0.20%				
0.22%	0.25%	0.45%	CIT	0.25%				

MF
Existing CIT
New CIT
Sep Acct



Grey shading indicates fees above MF screening threshold

Equal or better than 0.27% Worse than current



Active Mid-Cap Value Equity



Initial Candidate Pool - 25 total strategies

Institutional Product RFP Response

Ariel* Boston Partners*

American Century*

Ceredex* Cooke & Bieler

Iridian

London Co*

MFS*

T. Rowe Price* Vaughan Nelson*

Wells Fargo*

Mutual Fund Only

BNY Mellon JP Morgan

Columbia Janus Henderson

Delaware (Macquarie) Lord Abbett

Diamond Hill Nuance Fidelity Principal TIAA Harbor (LSV)

Hartford (Wellington) Transamerica (TSW)

Cut 1: Minimum Qualifications - 24 total strategies

Institutional Product RFP Response

American Century*

Ariel* Ceredex*

Cooke & Bieler

Iridian

London Co*

MFS*

T. Rowe Price* Vaughan Nelson*

Wells Fargo*

BNY Mellon Columbia

Janus Henderson

Mutual Fund Only

JP Morgan

Delaware (Macquarie) Lord Abbett

Diamond Hill Nuance **Fidelity** Principal

Harbor (LSV) TIAA

Hartford (Wellington) Transamerica (TSW)

Boston Partners was removed for not meeting the minimum qualification of strategy assets under \$25Bn.

^{*}Mutual fund vehicle also available and passed initial screening



Cut 2: Org Background and Business Strength - 24 total strategies

Institutional Product RFP Response

American Century* Ariel*

Ceredex* Cooke & Bieler Iridian

London Co*

MFS* T. Rowe Price* Vaughan Nelson* Wells Fargo*

Mutual Fund Only

BNY Mellon JP Morgan Janus Henderson Columbia Delaware (Macquarie) Lord Abbett

Diamond Hill Nuance **Fidelity** Principal TIAA Harbor (LSV)

Hartford (Wellington) Transamerica (TSW)

No managers removed

Cut 3: Investment Experience – 24 total strategies

Institutional Product RFP Response

American Century* Ariel* Ceredex* Cooke & Bieler Iridian

MFS* T. Rowe Price*

London Co*

Vaughan Nelson* Wells Fargo*

Mutual Fund Only

BNY Mellon JP Morgan Columbia Janus Henderson Delaware (Macquarie) Lord Abbett Diamond Hill Nuance **Fidelity** Principal Harbor (LSV) TIAA

Hartford (Wellington) Transamerica (TSW)

No managers removed

^{*}Mutual fund vehicle also available and passed initial screening



Active Mid Cap Value Equity

Cut 4: Investment Approach & Process - 24 total strategies

Institutional Product RFP Response

American Century*

Ariel*

Ceredex* Cooke & Bieler

Iridian

London Co*

MFS*

T. Rowe Price*

Vaughan Nelson*

Wells Fargo*

Mutual Fund Only

BNY Mellon JP Morgan

Columbia Janus Henderson

Delaware (Macquarie) Lord Abbett

Diamond Hill Nuance **Fidelity** Principal

TIAA Harbor (LSV)

Hartford (Wellington) Transamerica (TSW)

No managers removed

Cut 5: Performance – 11 total strategies

Institutional Product RFP Response

American Century*

Ariel*

Ceredex*

Cooke & Bieler

London Co*

MFS*

T. Rowe Price* Wells Fargo*

Mutual Fund Only

BNY Mellon Nuance

Principal

Iridian, Vaughan Nelson, Columbia, Delaware (Macquarie), Diamond Hill, Fidelity, Harbor (LSV), Hartford (Wellington), JP Morgan, Janus Henderson, Lord Abbett, TIAA, and Transamerica (TSW) were removed due to poor overall performance metrics.





Cut 6: Administration & Reporting and Transition – 11 total strategies

Institutional Product RFP Response

London Co*

BNY Mellon Principal

Mutual Fund Only

American Century*
Ariel*

MFS*

Nuance

Ceredex*

American Century*

Ceredex*

T. Rowe Price*

Cooke & Bieler Wells Fargo*

No managers removed

Cut 7: Fees – 7 total strategies

<u>Institutional Product RFP Response</u>

MFS*

T. Rowe Price*

Cooke & Bieler Wells Fargo*

Mutual Fund Only

Principal

Ariel, London Co, BNY Mellon, and Nuance were removed due to the lowest cost viable vehicle having an expense ratio in the bottom third of candidates (above 0.74%).

^{*}Mutual fund vehicle also available and passed initial screening





• Following the stage 1 screening process, 7 active mid cap value equity strategies are recommended to be included in the search deck.

^{*}Mutual fund vehicle also available and passed initial screening



		Organiz	ational Strength And Co	ntinuity	
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*
American Century		199	212.5	1958	
Ariel		38	14.6	1983	
Ceredex		12	8.5	2008	
Cooke & Bieler		16	9.5	1949	
Iridian		22	5.6	1996	
London Co		36	30.5	1994	
MFS		247	608.4	1924	
T. Rowe Price		2,596	1,470.2	1937	
Vaughan Nelson		25	14.1	1970	
Wells Fargo		451	509.0	1981	
BNY Mellon		306	613.6	1933	N/A*
Columbia		265	396.2	1985	N/A*
Delaware (Macquarie)		329	268.1	1929	N/A*
Diamond Hill		86	26.4	2000	N/A*
Fidelity		761	3,609.1	1946	N/A*
Harbor (LSV)		27	104.3	1994	N/A*
Hartford (Wellington)		889	1,291.4	1928	N/A*
J. P. Morgan		1,085	2,310.3	1984	N/A*
Janus Henderson		1,604	401.6	2017	N/A*
Lord Abbett		392	223.7	1929	N/A*
Nuance		12	6.4	2008	N/A*
Principal Principal		561	545.0	1998	N/A*
TIAA		812	769.5	1918	N/A*
Transamerica (TSW)		54	22.3	1969	N/A*

Favorable	>50	>25B	>10 years	
Favorable	26-50	>10B-25B	5-10 years	
Further Review	11-25	5B-10B	3-4 Years	
Concerns	<10	<5B	<3 Years	

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



	Investment Experience					
	History Of Managing MCV Equity	Scale Of MCV Equity Assets Under Management (\$B)	City of LA % of Strategy Assets	Number of Portfolio Managers		
American Century	2004	14.4	0.8%	4		
Ariel	1990	2.2	5.3%	2		
Ceredex	2001	4.2	2.8%	1		
Cooke & Bieler	1998	3.6	3.2%	8		
Iridian	1991	5.3	2.2%	2		
London Co	2012	6.3	1.9%	5		
MFS	2001	16.6	0.7%	3		
T. Rowe Price	1996	23.8	0.5%	1		
Vaughan Nelson	2006	2.2	5.3%	3		
Wells Fargo	2001	13.2	0.9%	6		
BNY Mellon	1994	1.6	7.1%	2		
Columbia	2001	2.5	4.6%	2		
Delaware (Macquarie)	2000	1.8	6.3%	5		
Diamond Hill	2013	1.1	9.9%	2		
Fidelity	2011	1.4	7.8%	1		
Harbor (LSV)	1997	1.9	5.9%	5		
Hartford (Wellington)	1997	2.7	4.2%	2		
J. P. Morgan	1988	21.8	0.5%	2		
Janus Henderson	1998	3.3	3.6%	2		
Lord Abbett	1983	1.7	6.5%	2		
Nuance	2008	5.4	2.2%	3		
Principal	2003	2.7	4.3%	2		
TIAA	2002	2.3	5.1%	1		
Transamerica (TSW)	2001	4.5	2.6%	2		

	investment Approach And Process						
Investment Approach	Typical Number of Holdings*	Expected Annual Turnover	Avg. Market Cap (\$B)	Median Market Cap (\$B)			
Fundamental	97	150%	24.7	17.1			
Fundamental	40	35%	20.6	11.6			
Fundamental	51	150%	29.7	23.7			
Fundamental	40-50	40%	12.5	8.2			
Fundamental	45	60%	10.8	6.9			
Fundamental	32	22%	18.0	13.7			
Fundamental	149	26%	19.6	15.0			
Fundamental	107	60%	16.5	11.7			
Fundamental	61	38%	13.9	11.5			
Fundamental	72	85%	20.9	15.5			
Fundamental	57	75%	22.0	16.0			
Fundamental	48	28%	Not Provided	Not Provided			
Fundamental	93	25%	18.3	16.2			
Fundamental	55	27%	14.7	8.5			
Fundamental	94	68%	17.6	9.1			
Quantitative	154	25%	13.4	9.4			
Fundamental	80-100	71%	7.4	6.1			
Fundamental	114	15%	20.4	16.3			
Fundamental	74	75%	16.8	12.2			
Fundamental	76	40%	16.3	14.0			
Fundamental	50-60	100%	Not Provided	Not Provided			
Blend	722	66%	13.4	9.7			
Fundamental	87	26%	21.2	13.8			
Blend	65	91%	15.7	11.6			

Investment Approach And Process

>10 years	>2-15	<3%	
8-10 Years	>15-22	3-5%	
0-10 rears	r 13-22		1 or >10 &
5-7 Years	1-2, >22-25	>5% - 10%	Fundamental
<5 Years	<1, >25	>10%	

51-125	<50	+/- 25% from BM**	+/- 25% from BM**
		+/- 26%-50% from	+/- 26%-50% from
126-200	51-100	BM**	BM**
<50 <i>,</i> >200	101-200	+/- >50% from BM**	+/->50% from BM**
>200			

^{**}Russell Midcap Value Benchmark: Average Market Cap is \$20.3B. Median Market Cap is \$9.7B.



^{*}Legend applies to Fundamental and Blend strategies

			Investment	Performance			Benchmark
	Overall 5-Year Performance Relative to Universe	5-Year Std Dev	5-Year IR	5-Year Sharpe Ratio	Correlation vs Russell Midcap Value Index	Overall Performance Metrics (1-20) (Assigns a 1-4 point score for each of the 5 performance dimensions to the left)	
American Century	11.8	16.8	0.05	0.63	0.98	14	Russell Midcap Value
Ariel	12.5	19.5	0.18	0.59	0.96	16	Russell Midcap Value
Ceredex	13.2	18.8	0.46	0.64	0.98	18	Russell Midcap Value
Cooke & Bieler	14.4	21.0	0.62	0.63	0.98	13	Russell Midcap Value
Iridian	11.4	19.6	-0.03	0.52	0.94	9	Russell Midcap Value
London Co	17.0	15.6	0.83	1.01	0.94	19	Russell Midcap Value
MFS	12.6	18.1	0.46	0.63	0.99	18	Russell Midcap Value
T. Rowe Price	12.7	18.1	0.29	0.64	0.98	18	Russell Midcap Value
Vaughan Nelson	11.5	18.8	-0.03	0.55	0.97	11	Russell Midcap Value
Wells Fargo	13.0	18.1	0.46	0.66	0.99	19	Russell Midcap Value
BNY Mellon	14.0	20.4	0.40	0.63	0.96	16	Russell Midcap Value
Columbia	12.2	19.2	0.24	0.58	0.99	12	Russell Midcap Value
Delaware (Macquarie)	12.9	20.4	0.35	0.58	0.98	12	Russell Midcap Value
Diamond Hill	10.7	20.0	-0.25	0.48	0.99	9	Russell Midcap Value
Fidelity	9.2	19.3	-0.63	0.42	0.98	10	Russell Midcap Value
Harbor (LSV)	9.8	22.3	-0.34	0.39	0.98	8	Russell Midcap Value
Hartford (Wellington)	11.8	20.2	0.06	0.53	0.98	10	Russell Midcap Value
J. P. Morgan	11.1	18.2	-0.22	0.55	0.99	12	Russell Midcap Value
Janus Henderson	10.7	16.7	-0.23	0.58	0.98	12	Russell Midcap Value
Lord Abbett	9.6	18.6	-0.63	0.45	0.99	10	Russell Midcap Value
Nuance	13.9	12.2	0.27	1.04	0.93	19	Russell Midcap Value
Principal	12.7	17.7	0.48	0.65	0.99	18	Russell Midcap Value
TIAA	9.0	19.1	-0.98	0.41	0.99	10	Russell Midcap Value
Transamerica (TSW)	11.1	19.1	-0.13	0.52	0.98	11	Russell Midcap Value

1st Quartile (>13.3)	1st Quartile (<18.1)	1st Quartile (>0.43)	1st Quartile (>0.64)	0.96-1	18-20
2nd Quartile (12.4-	2nd Quartile (19.5-	2nd Quartile (0.16-	2nd Quartile (0.59-		
13.3)	18.1)	0.43)	0.64)	0.91-0.95	15-17
3rd Quartile (11.2-	3rd Quartile (19.5-				
12.4)	20.7)			0.85-0.90	13-14
4th Quartile (<11.2)	4th Quartile (>20.7)	<0.16 (Median)	<0.59 (Median)	<0.85	<13



	Portfolio Transition
	Hansition
American Century	
Ariel	
Ceredex	
Cooke & Bieler	
Iridian	
London Co	
MFS	
T. Rowe Price	
Vaughan Nelson	
Wells Fargo	
BNY Mellon	
Columbia	
Delaware (Macquarie)	
Diamond Hill	
Fidelity	
Harbor (LSV)	
Hartford (Wellington)	
J. P. Morgan	
Janus Henderson	
Lord Abbett	
Nuance	
Principal	
TIAA	
Transamerica (TSW)	

Administrativ	ve and Reporting
Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting
	If SA used
	If SA used
	If SA used
	Sep Acct
	If SA used

Fees						
Separate Account	CIT	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio		
0.47%	0.58%	0.63%	CIT	0.58%		
0.48%	N/A	0.84%	MF	0.84%		
0.60%	0.60%	1.04% (0.50%)	CIT	0.60%		
0.63%	N/A	N/A	SA	0.63%		
N/A	0.80%	N/A	CIT	0.80%		
0.54%	N/A	0.80%	MF	0.80%		
0.45%	0.50%	0.70%	CIT	0.50%		
0.50%	0.64%	0.65%	CIT	0.64%		
0.82%	N/A	0.99% (0.25%)	MF	0.74%		
N/A	0.47%	0.71%	CIT	0.47%		
		0.84%	MF	0.84%		
		0.78% (0.10%)	MF	0.68%		
		0.89% (0.25%)	MF	0.64%		
		0.66%	MF	0.66%		
		0.46%	MF	0.46%		
		0.77%	MF	0.77%		
		0.92% (0.20%)	MF	0.72%		
		0.73%	MF	0.73%		
		0.75%	MF	0.75%		
		0.65%	MF	0.65%		
		0.79%	MF	0.79%		
		0.64%	MF	0.64%		
		0.46%	MF	0.46%		
		0.75%	MF	0.75%		

Mutual Fund	
Existing CIT	
New CIT	
Sep. Acct	



Top 67%

Bottom 33%



Active Mid-Cap Growth Equity



Stage 1 Evaluation Process Active Mid Cap Growth Equity

Initial Candidate Pool - 29 total strategies

Institutional Product RFP Response

Amundi Pioneer* Baron Capital**

BlackRock* Invesco*

Kavne Anderson* MFS*

Mutual Fund Only

Times Square** American Century

Wellington* Wells Fargo (SMID)

Westfield*

Voya*

Baird Carillon Eagle Columbia

Congress

D.F. Dent Federated Hermes

lvy

Mass Mutual

Morgan Stanley

Neuberger Berman Nicholas Company

T. Rowe Price

TIAA

Vanguard Victory

Wells Fargo

William Blair

Cut 1: Minimum Qualifications - 27 total strategies

Institutional Product RFP Response

Amundi Pioneer* Baron Capital** BlackRock*

Invesco* Kayne Anderson* MFS*

TimesSquare** Voya*

Wellington* Westfield*

Mutual Fund Only

American Century Baird

Carillon Eagle

Neuberger Berman Nicholas Company T. Rowe Price

TIAA Congress D.F. Dent Vanguard

Federated Hermes Victory lvy

Wells Fargo MassMutual William Blair

Morgan Stanley

Wells Fargo (SMID) was removed for not meeting the minimum qualification of a mid-cap growth equity strategy. Columbia was removed for having a strategy track record of less than 5 years.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Stage 1 Evaluation Process Active Mid Cap Growth Equity

Cut 2: Org Background and Business Strength - 26 total strategies

Institutional Product	RFP Response	Mutual Fund Only			
Amundi Pioneer*	MFS*	American Century	Morgan Stanley		
Baron Capital**	ital** TimesSquare**		Neuberger Berman		
BlackRock*	Vova*	Carillon Eagle	T. Rowe Price		
Invesco*	Wellington*	Congress	TIAA		
	o o	D.F. Dent	Vanguard		
Kayne Anderson*	Westfield*	Federated Hermes	Victory		
		lvy	Wells Fargo		
		MassMutual	William Blair		

Nicolas Company was removed for having only 10 total investment professionals.

Cut 3: Investment Experience - 25 total strategies

Institutional Product	RFP Response	<u>Mutual Fund Only</u>		
Amundi Pioneer*	MFS*	American Century	Morgan Stanley	
Baron Capital**	TimesSquare**	Baird	Neuberger Berman	
BlackRock*	Voya*	Carillon Eagle	T. Rowe Price	
Invesco*	Wellington*	Congress	TIAA	
Kayne Anderson*	Westfield*	D.F. Dent	Vanguard	
·		Federated Hermes	Victory	
		lvy	Wells Fargo	
		Mass Mutual		

William Blair was removed due to City of LA mandate representing more than 10% of strategy assets, making concentration risk higher than desired.

MERCER

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

Active Mid Cap Growth Equity

Cut 4: Investment Approach & Process - 25 total strategies

Institutional Product RFP Response

Amundi Pioneer*

Baron Capital**

BlackRock*

Invesco*

Kayne Anderson*

MFS*

TimesSquare**

Voya*

Wellington* Westfield*

Mutual Fund Only

T. Rowe Price

TIAA

Vanguard

Wells Fargo

Victory

American Century Morgan Stanley Baird Neuberger Berman

Carillon Eagle

Congress D.F. Dent

Federated Hermes

lvy

MassMutual

No managers removed

Cut 5: Performance – 17 total strategies

Institutional Product RFP Response

Baron Capital**

BlackRock*

Invesco*

Kayne Anderson*

MFS*

TimesSquare**

Wellington*

Mutual Fund Only

American Century lvy

Baird Morgan Stanley Carillon Eagle Neuberger Berman

T. Rowe Price Congress

D.F. Dent Wells Fargo

Amundi Pioneer, Voya, Westfield, Federated Hermes, MassMutual, TIAA, Vanguard, and Victory were removed due to poor overall performance metrics.

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening MERCER

Stage 1 Evaluation Process Active Mid Cap Growth Equity

Cut 6: Administration & Reporting and Transition – 17 total strategies

Institutional Product RFP Response

Baron Capital**

BlackRock*
Invesco*

Kayne Anderson*

MFS*

TimesSquare**

Wellington*

uare** Baird

Carillon Eagle

Carillon Eagle

Congress

American Century

D.F. Dent

Mutual Fund Only

Ivy Morgan Stanley

Neuberger Berman

T. Rowe Price

Wells Fargo

No managers removed

Cut 7: Fees – 7 total strategies

Institutional Product RFP Response

BlackRock*

Invesco*

Kayne Anderson*

MFS*

Mutual Fund Only

Carillon Eagle

Neuberger Berman

Morgan Stanley

Baron Capital, TimesSquare, Wellington, American Century, Baird, Congress, D.F. Dent, Ivy, T. Rowe Price and Wells Fargo were removed due to high expense ratios above the median of the group.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Stage 1 Evaluation Process Active Mid Cap Growth Equity



• Implementing the proposed Stage 1 Evaluation Process would result in a total of 7 active mid cap growth equity candidates (noted above) for further consideration in Stage 2.



Active Mid Cap Growth Equity

		Organiz	ational Strength And C	ontinuity	
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*
Amundi Pioneer		1,511	2,137.2	1950	
Baron Capital		103	47.7	1982	
BlackRock		2,570	8,576.9	1988	
Invesco		828	1,349.9	1935	
Kayne Anderson		62	51.7	1984	
MFS		247	608.4	1924	
TimesSquare		46	16.2	2000	
Voya (Incumbent)		471	255.3	1972	
Wellington		889	1,291.4	1928	
Westfield		33	17.1	1989	
American Century		199	212.5	1958	N/A*
Baird		17	7.7	1971	N/A*
Carillon Eagle		58	32.4	1976	N/A*
Columbia		265	396.2	1985	N/A*
Congress		47	11.7	1985	N/A*
D.F. Dent		16	10.7	1976	N/A*
Federated Hermes		876	585.7	1955	N/A*
lvy		86	74.8	1937	N/A*
MassMutual		N/A	54.4	1851	N/A*
Morgan Stanley		731	781.3	1975	N/A*
Neuberger Berman		1242	405.4	1939	N/A*
Nicholas Company		10	5.8	1967	N/A*
T. Rowe Price		2596	1,470.2	1937	N/A*
TIAA		812	769.5 1918		N/A*
Vanguard		277	6,742.2 1975		N/A*
Victory		224	147.2	1894	N/A*
Wells Fargo		451	509.0	1981	N/A*
William Blair		143	69.7	1935	N/A*

Favorable	>50	>25B	>10 years
Favorable	26-50	10B-25B	5-10 years
Further Review	11-25	5B-10B	3-<5 years
Concerns	<=10	<5B	<3 years

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



Active Mid Cap Growth Equity

	Investment Experience					
	History Of Managing Mid Cap Growth Equity	Scale Of Mid Cap Growth Equity Assets Under Management (\$B)	City of LA % of Strategy Assets	Number of Portfolio Managers		
Amundi Pioneer	1990	3.0	3.9%	3		
Baron Capital	1998	6.1	1.9%	1		
BlackRock	2002	15.3	0.8%	2		
Invesco	2009	8.1	1.5%	2		
Kayne Anderson	2012	3.5	3.4%	2		
MFS	2009	17.0	0.7%	3		
TimesSquare	2000	5.3	2.2%	2		
Voya (Incumbent)	2005	4.6	2.6%	3		
Wellington	2000	3.6	3.2%	3		
Westfield	1994	3.5	3.4%	16		
American Century	1987	7.8	1.5%	2		
Baird	1993	3.7	3.1%	2		
Carillon Eagle	1998	9.9	1.2%	3		
Columbia	2018	2.7	4.3%	3		
Congress	1999	3.7	3.1%	4		
D.F. Dent	1999	3.2	3.6%	4		
Federated Hermes	2000	1.6	6.9%	4		
lvy	1983	9.7	1.2%	2		
MassMutual	2000	9.6	1.2%	3		
Morgan Stanley	2002	8.2	1.5%	6		
Neuberger Berman	1979	2.5	4.6%	1		
Nicholas Company	1983	1.2	9.3%	2		
T. Rowe Price	1992	5.4	2.2%	3		
TIAA	2002	1.7	6.5%	2		
Vanguard	1997	5.0	2.4%	55		
Victory	1995	3.4	3.4%	5		
Wells Fargo	2000	1.2	9.3%	3		
William Blair	1997	1.0	10.6%	2		

Investment Approach	Typical Number of Holdings*	Expected Annual Turnover	Median Market Cap (\$B)	Average Market Cap (\$B)
Fundamental	128	80%	17.6	27.7
Fundamental	66	10%	21.0	28.6
Fundamental	55-85	70%	16.4	15.2
Fundamental	90-100	100%	19.8	24.3
Fundamental	51	30%	20.9	26.8
Fundamental	111	N/A	18.5	24.5
Fundamental	70-80	74%	16.1	19.9
Fundamental	62	90%	21.0	28.2
Fundamental	70-100	95%	13.7	25.9
Fundamental	54	73%	22.3	25.3
Fundamental	77	90%	22.1	27.1
Fundamental	57	50%	17.9	21.4
Fundamental	91	35%	21.7	30.5
Fundamental	65	N/A	15.6	19.5
Fundamental	40	30%	19.1	20.5
Fundamental	40	30%	28.8	31.5
Quantitative	95-165	148%	24.5	27.2
Fundamental	62	40%	20.8	27.2
Fundamental	217	N/A	19.4	24.4
Fundamental	52	30%	15.5	24.8
Fundamental	89	50%	20.2	23.1
Fundamental	70-90	20%	18.8	21.3
Blend	251	35%	17.0	19.3
Fundamental	118	N/A	16.8	19.8
Fundamental	170	103%	19.8	26.6
Fundamental	87	90%	16.2	22.9
Fundamental	61	100%	20.6	33.3
Fundamental	55	57%	20.6	22.7

Investment Approach And Process

>10 Years	>2-12	<3%	
8-10 Years	>12-18	3%-5%	
	12.10	270 070	1 or >10 &
5-7 Years	1-2, >18-20	>5% - 10%	Fundamental
<5 Years	<1,>20	>10%	

50-125	<50	+/- 25% from BM**	+/- 25% from BM**
		+/- 26%-50% from	+/- 26%-50% from
126-200	50-100	BM**	BM**
<50, >200	101-200	+/->50% from BM**	+/- >50% from BM**
	>200		

^{**}Russell MidCap Growth Benchmark: Median Market Cap is \$12.1B. Average Market Cap is \$24.0B.



^{*}Legend applies to Fundamental and Blend strategies

Stage 1 Evaluation Process Active Mid Cap Growth Equity

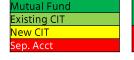
	Investment Performance						
	Overall 5-Year Performance Relative to Universe	5-Year Std Dev	5-Year IR	5-Year Sharpe Ratio	Correlation vs Russell Midcap Growth Index	Overall Performance Metrics (1-20) (Assigns a 1-4 point score for each of the 5 performance dimensions to the left.)	
Amundi Pioneer	20.6	23.5	0.67	0.82	0.99	12	Russell Midcap Growth
Baron Capital	21.0	20.5	0.53	0.97	0.97	17	Russell Midcap Growth
BlackRock	25.5	21.8	1.25	1.11	0.97	19	Russell Midcap Growth
Invesco	21.5	22.1	0.83	0.92	0.99	16	Russell Midcap Growth
Kayne Anderson	28.6	23.8	1.10	1.15	0.92	16	Russell Midcap Growth
MFS	20.8	19.6	0.51	1.00	0.98	18	Russell Midcap Growth
TimesSquare	19.3	20.3	0.35	0.89	1.00	16	Russell Midcap Growth
Voya (Incumbent)	18.5	20.3	0.02	0.85	0.99	12	Russell Midcap Growth
Wellington	26.6	26.4	1.05	0.96	0.96	17	Russell Midcap Growth
Westfield	19.3	22.0	0.29	0.83	0.99	11	Russell Midcap Growth
American Century	20.0	23.1	0.60	0.81	0.99	13	Russell Midcap Growth
Baird	20.6	21.1	0.70	0.92	0.99	16	Russell Midcap Growth
Carillon Eagle	21.2	23.2	0.80	0.86	0.99	16	Russell Midcap Growth
Columbia	N/A	N/A	N/A	N/A	N/A	N/A	Russell Midcap Growth
Congress	19.2	19.7	0.14	0.91	0.97	14	Russell Midcap Growth
D.F. Dent	20.9	19.2	0.45	1.03	0.97	18	Russell Midcap Growth
Federated Hermes	18.2	23.8	-0.03	0.71	0.97	9	Russell Midcap Growth
lvy	24.6	23.8	1.72	0.98	0.99	17	Russell Midcap Growth
MassMutual	18.0	21.1	-0.10	0.80	0.99	10	Russell Midcap Growth
Morgan Stanley	38.7	36.9	0.95	1.02	0.86	15	Russell Midcap Growth
Neuberger Berman	20.5	21.7	0.92	0.89	0.99	17	Russell Midcap Growth
Nicholas Company	16.0	19.5	-0.43	0.76	0.97	11	Russell Midcap Growth
T. Rowe Price	19.7	22.0	0.71	0.84	1.00	13	Russell Midcap Growth
TIAA	19.7	24.4	0.35	0.76	0.99	11	Russell Midcap Growth
Vanguard	16.6	22.7	-0.67	0.68	0.99	9	Russell Midcap Growth
Victory	16.9	23.2	-0.38	0.68	0.99	9	Russell Midcap Growth
Wells Fargo	24.4	24.7	1.04	0.94	0.98	17	Russell Midcap Growth
William Blair	15.9	20.6	-0.60	0.71	0.98	10	Russell Midcap Growth

1st Quartile (>21.6)	1st Quartile (<20.4)	1st Quartile (>0.75)	1st Quartile (>0.93)	0.96-1	18-20
2nd Quartile (19.8-21.6)	2nd Quartile (20.4-22.0)	2nd Quartile (0.35-0.75)	2nd Quartile (0.86-0.93)	0.91-0.95	15-17
3rd Quartile (18.0-19.8)	3rd Quartile (22.0-23.4)			0.85-0.90	13-14
4th Quartile (<18.0)	4th Quartile (>23.4)	<0.35 (Median)	<0.86 (Median)	<0.85	<13



Active Mid Cap Growth Equity

	Portfolio Transition	Administrative	e and Reporting	Fees				
		Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting	Separate Account	CIT	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio
Amundi Pioneer				N/A	0.40%	1.03% (0.60%)	CIT	0.40%
Baron Capital			If SA used	0.49%	N/A	1.05% (0.15%)	MF	0.90%
BlackRock				N/A	0.51%	0.80% (0.25%)	CIT	0.51%
Invesco			If SA used	0.46%	0.46%	0.65%	CIT	0.46%
Kayne Anderson			If SA used	0.65%	0.60%	0.85%	CIT	0.60%
MFS			If SA used	0.49%	0.50%	0.70%	CIT	0.50%
TimesSquare				N/A	0.70%	0.98%	CIT	0.70%
Voya (Incumbent)			If SA used	0.39%	0.36%	0.66% (0.30%)	MF	0.36%
Wellington			If SA used	0.55%	N/A	0.80%	MF	0.80%
Westfield			If SA used	0.54%	0.65%	0.77%	CIT	0.65%
American Century						0.66%	MF	0.66%
Baird						0.82%	MF	0.82%
Carillon Eagle						0.64%	MF	0.64%
Columbia						0.90% (0.35%)	MF	0.55%
Congress						0.80%	MF	0.80%
D.F. Dent						0.85%	MF	0.85%
Federated Hermes						1.15% (0.50%)	MF	0.65%
lvy						0.79%	MF	0.79%
MassMutual						0.71%	MF	0.71%
Morgan Stanley						0.64%	MF	0.64%
Neuberger Berman						0.60%	MF	0.60%
Nicholas Company						0.60%	MF	0.60%
T. Rowe Price						0.67%	MF	0.67%
TIAA						0.48%	MF	0.48%
Vanguard						0.34%	MF	0.34%
Victory						1.20% (0.55%)	MF	0.65%
Wells Fargo						0.80%	MF	0.80%
William Blair						0.95% (0.25%)	MF	0.70%





Grey shading indicates fees above MF screening threshold

Top 50% Bottom 50%



Active Small-Cap Value Equity



Initial Candidate Pool - 21 total strategies

Institutional Product RFP Response

American Century**
Ariel
Barrow Hanley
BMO*
Fisher

Goldman Sachs**
Kayne Anderson**

Mellon

Neuberger Berman** Northern Trust** T. Rowe Price*

Vaughan Nelson**
Westwood*

Mutual Fund Only

American Beacon Hartford (Wellington) Hotchkis & Wiley J P Morgan Loomis Sayles LSV Nuveen Wells Fargo

Cut 1: Minimum Qualifications - 20 total strategies

<u>Institutional Product RFP Response</u>

American Century** Ariel Barrow Hanley BMO*

Barrow Hanley BMO* Fisher Goldman Sachs** Kayne Anderson** Mellon

Neuberger Berman**
Northern Trust**

Vaughan Nelson** Westwood*

Mutual Fund Only

American Beacon Hartford (Wellington) Hotchkis & Wiley J P Morgan Loomis Sayles LSV Nuveen Wells Fargo

T. Rowe Price was removed for not meeting the minimum qualification of strategy assets under \$15 Billion.

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

MERCER

Active Small Cap Value Equity

Cut 2: Org Background and Business Strength - 20 total strategies

Institutional Product RFP Response

American Century**

Ariel Barrow Hanley BMO*

Fisher Goldman Sachs** Kayne Anderson**

Mellon

Neuberger Berman** Northern Trust** Vaughan Nelson**

Westwood*

Mutual Fund Only

American Beacon Hartford (Wellington)

Hotchkis & Wiley J P Morgan

Nuveen Wells Fargo

No managers removed

Cut 3: Investment Experience – 19 total strategies

Institutional Product RFP Response

American Century** Ariel

Barrow Hanley Fisher

Goldman Sachs**

Kayne Anderson**

Mellon

Neuberger Berman** Northern Trust**

Vaughan Nelson**

Westwood*

Mutual Fund Only

American Beacon

Hartford (Wellington) Hotchkis & Wiley

J P Morgan

Loomis Sayles

Loomis Sayles

LSV

LSV Nuveen

Wells Fargo

BMO was removed due the City's assets representing more than 10% of strategy assets.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Active Small Cap Value Equity

Cut 4: Investment Approach & Process - 19 total strategies

Institutional Product RFP Response

American Century**

Ariel Barrow Hanley Fisher

Goldman Sachs**
Kayne Anderson**

Mellon

Neuberger Berman** Northern Trust** Vaughan Nelson**

Westwood*

Mutual Fund Only

American Beacon Hartford (Wellington)

Hotchkis & Wiley
J P Morgan

LSV Nuveen Wells Fargo

Loomis Sayles

No managers removed

Cut 5: Performance – 12 total strategies

<u>Institutional Product RFP Response</u>

American Century**

Ariel

Barrow Hanley Fisher

Goldman Sachs**

Kayne Anderson**

Mellon

Neuberger Berman**
Vaughan Nelson**

* Westwood*

Mutual Fund Only

Hotchkis & Wiley

Wells Fargo

Northern Trust, American Beacon, Hartford (Wellington), J P Morgan, Loomis Sayles, LSV and Nuveen were removed due to poor overall performance metrics.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Cut 6: Administration & Reporting and Transition - 9 total strategies

Institutional Product RFP Response

Mutual Fund Only Wells Fargo

Hotchkis & Wilev

American Century** Fisher

Neuberger Berman** Vaughan Nelson**

Goldman Sachs** Westwood*

Kayne Anderson**

Ariel, Barrow Hanley and Mellon were removed due to only having a separate account option which would require additional administrative, custody and trading fees, and added complexities. Given the number of qualified strategies, we don't believe it necessary to incur this complexity.

Cut 7: Fees – 4 total strategies

Institutional Product RFP Response

Mutual Fund Only

Fisher Westwood*

Hotchkis & Wiley

Neuberger Berman**

American Century, Goldman Sachs, Kayne Anderson, Vaughan Nelson and Wells Fargo were removed due to the lowest cost viable vehicle having an expense ratio in the bottom third of candidates (0.85% or higher).

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening



• Following the stage 1 screening process, 4 active US small cap value equity strategies are recommended to be included in the search deck.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Active Small Cap Value Equity

	Organizational Strength And Continuity					
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*	
American Century		199	212.5	1958		
Ariel		38	14.6	1983		
Barrow Hanley		77	48.4	1979		
вмо		549	35.1	1989		
Fisher		90	154.1	1979		
Goldman Sachs		706	1,953.8	1988		
Kayne Anderson		62	51.7	1984		
Mellon		306	613.6	1933		
Neuberger Berman		1,242	405.4	1939		
Northern Trust		431	1,165.9	1889		
Vaughan Nelson		25	14.1	1970		
Westwood		80	9.6	1983		
American Beacon		15	59.6	1986	N/A*	
Hartford (Wellington)		889	1,291.4	1928	N/A*	
Hotchkis & Wiley		42	31.7	1980	N/A*	
J.P. Morgan		1085	2,310.3	1984	N/A*	
Loomis Sayles		735	357.8	1926	N/A*	
LSV		27	112.1	1994	N/A*	
Nuveen		277	243.2	1989	N/A*	
Wells Fargo		451	509.0	1981	N/A*	
	Favorable	>50 26-50	>25B >5B-25B	>10 years 5-10 years		

	Favorable Favorable	>50	>25B	>10 years	
	-avorable	26-50	>5B-25B	5-10 years	
Ī					
	Further Review	11-25	5B-10B	3-<5 Years	
	Concerns	<10	<5B	<3 Years	

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



Active Small Cap Value Equity

	Investment Experience					
	History Of Managing Small Cap Value Equity	Scale Of Small Cap Value Equity Assets Under Management (\$B)	City of LA % of Strategy Assets	Number of Portfolio Managers		
American Century	1998	5.6	2.8%	2		
Ariel	1983	1.8	8.2%	2		
Barrow Hanley	1995	2.6	5.8%	2		
вмо	2010	1.3	10.8%	2		
Fisher	1990	6.4	2.4%	5		
Goldman Sachs	1992	9.8	1.6%	7		
Kayne Anderson	1998	6.3	2.5%	2		
Mellon	1999	2.7	5.5%	2		
Neuberger Berman	1997	3.6	4.2%	1		
Northern Trust	1994	3.2	4.8%	6		
Vaughan Nelson	1997	3.5	4.3%	2		
Westwood	2004	2.6	5.9%	3		
American Beacon	1998	6.3	2.5%	19		
Hartford (Wellington)	1999	3.5	4.4%	3		
Hotchkis & Wiley	2005	2.1	7.0%	19		
J.P. Morgan	2005	2.6	5.8%	5		
Loomis Sayles	1992	1.7	8.7%	2		
LSV	1997	4.7	3.3%	5		
Nuveen	1997	1.8	8.4%	2		
Wells Fargo	1993	7.2	2.2%	6		

>10 years	>2-10	<3%	
>7 Years	>10-12	3-5%	
, , , , , , , , , , , , , , , , , , , ,	10 12	0 0 70	1 or >10 &
>5 Years	1-2, >12-15	>5% - 10%	Fundamental
<5 Years	<1, >15	>10%	

Investment Approach And Process							
Investment Approach	Typical Number of Holdings*	Expected Annual Turnover	Avg. Market Cap (\$B)	Median Market Cap (\$B)			
Fundamental	102	108%	3.5	2.4			
Fundamental	39	25%	5.2	4.5			
Fundamental	42	28%	3.8	2.1			
Quantitative	170	75%	2.4	1.7			
Fundamental	93	25%	8.4	4.5			
Fundamental	238	60%	4.1	3.1			
Fundamental	31	30%	5.9	4.6			
Fundamental	148	60%	3.2	2.7			
Fundamental	91	30%	4.9	2.9			
Quantitative	1,546	40%	1.5	0.9			
Fundamental	54	50%	4.9	3.9			
Fundamental	59	60%	2.5	2.3			
Blend	663	66%	3.5	2.0			
Fundamental	60-90	36%	2.5	2.2			
Fundamental	350-400	60%	2.1	1.4			
Blend	442	50%	3.0	1.9			
Fundamental	124	75%	4.1	3.4			
Quantitative	213	25%	2.8	2.2			
Fundamental	85	23%	3.4	3.0			
Fundamental	122	77%	3.1	2.1			
	E4 425	.50	1 / 250/ from DA4+++	1 / 259/ from DM+++			
	51-125	<50	+/- 26%-50% from	+/- 25% from BM*** +/- 26%-50% from			
	126-200	51-100	BM***	BM***			
	<50, >200	101-200	+/- >50% from BM***	+/- >50% from BM***			

^{**}Russell 2000 Value Benchmark: Median Market Cap is \$0.91B. Average Market Cap is \$3.15B



^{*}Legend applies to Fundamental and Blend strategies

Active Small Cap Value Equity

	Investment Performance					Benchmark	
	Overall 5-Year Performance Relative to Universe	5-Year Std Dev	5-Year IR	5-Year Sharpe Ratio	Correlation vs Russell 2000 Value Index	Overall Performance Metrics (1-20)	
American Century	17.5	23.3	0.82	0.70	0.98	18	Russell 2000 Value
Ariel	15.8	23.2	0.33	0.63	0.96	18	Russell 2000 Value
Barrow Hanley	17.2	25.4	0.46	0.63	0.95	16	Russell 2000 Value
вмо	12.2	22.5	-0.38	0.49	0.99	11	Russell 2000 Value
Fisher	19.1	20.3	0.72	0.89	0.94	19	Russell 2000 Value
Goldman Sachs	13.6	21.0	0.02	0.60	0.98	16	Russell 2000 Value
Kayne Anderson	17.8	18.4	0.47	0.91	0.92	19	Russell 2000 Value
Mellon	14.8	21.6	0.31	0.63	0.98	18	Russell 2000 Value
Neuberger Berman	17.7	22.5	0.54	0.73	0.94	18	Russell 2000 Value
Northern Trust	11.3	20.9	-0.77	0.48	0.99	10	Russell 2000 Value
Vaughan Nelson	12.0	19.5	-0.26	0.56	0.97	14	Russell 2000 Value
Westwood	14.8	21.2	0.27	0.65	0.98	17	Russell 2000 Value
American Beacon	11.8	24.0	-0.48	0.44	0.99	9	Russell 2000 Value
Hartford (Wellington)	9.1	21.7	-0.95	0.37	0.98	10	Russell 2000 Value
Hotchkis & Wiley	15.3	25.5	0.35	0.56	0.99	16	Russell 2000 Value
J.P. Morgan	12.7	22.3	-0.38	0.52	0.99	11	Russell 2000 Value
Loomis Sayles	11.7	20.2	-0.41	0.52	0.98	12	Russell 2000 Value
LSV	10.7	25.5	-0.60	0.38	0.99	8	Russell 2000 Value
Nuveen	9.1	23.8	-0.97	0.34	0.98	8	Russell 2000 Value
Wells Fargo	14.3	20.5	0.19	0.64	0.99	18	Russell 2000 Value

1st Quartile (>15.0)	1st Quartile (<20.7)	1st Quartile (>0.25)	1st Quartile (>0.63)	0.96-1	18-20
2nd Quartile (13.1-15.0)	2nd Quartile (20.7-22.5)	2nd Quartile (-0.08-0.25)	2nd Quartile (0.53-0.63)	0.91-0.95	15-17
3rd Quartile (11.5-13.1)	3rd Quartile (22.5-23.8)			0.85-0.90	13-14
4th Quartile (<11.5)	4th Quartile (>23.8)	<-0.08 (Median)	<0.53 (Median)	<0.85	<13



Active Small Cap Value Equity

	Portfolio Transition
American Century	
Ariel	Sep. Acct
Barrow Hanley	Sep. Acct
вмо	
Fisher	
Goldman Sachs	
Kayne Anderson	
Mellon	Sep. Acct
Neuberger Berman	
Northern Trust	
Vaughan N elson	
Westwood	
American Beacon	
Hartford (Wellington)	
Hotchkis & Wiley	
J.P. Morgan	
Loomis Sayles	
LSV	
Nuveen	
Wells Fargo	

Administrativ	ve and Reporting
Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting
	If SA used
	If SA used
	If SA used
	II SA used

		Fees					
Separate Account	CIT	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio			
0.80%	0.85%	0.90%	CIT	0.85%			
0.55%	N/A	N/A	SA	0.55%			
0.65%	N/A	N/A	SA	0.65%			
0.55%	0.43%	0.84%	CIT	0.43%			
0.75%	0.79%	N/A	CIT	0.79%			
0.72%	N/A	0.96%	MF	0.96%			
0.55%	N/A	0.89%	MF	0.89%			
0.53%	N/A	N/A	SA	0.53%			
N/A	0.80%	0.91%	CIT	0.80%			
N/A	0.50%	1.00%	CIT	0.50%			
0.80%	N/A	1.08%	MF	1.08%			
0.79%	N/A	0.79%	MF	0.79%			
N/A	N/A	0.80%	MF	0.80%			
N/A	N/A	0.80%	MF	0.80%			
N/A	N/A	0.80%	MF	0.80%			
N/A	N/A	0.76%	MF	0.76%			
N/A	N/A	0.85%	MF	0.85%			
N/A	N/A	0.83%	MF	0.83%			
N/A	N/A	0.76%	MF	0.76%			
N/A	N/A	0.85%	MF	0.85%			





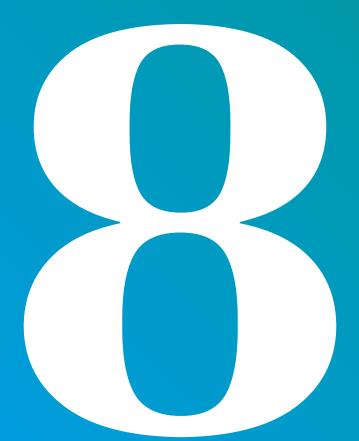
Grey shading indicates fees above MF screening threshold

Top 67%

Bottom 33%



Active Small-Cap Growth Equity



Initial Candidate Pool - 23 total strategies

Alger

Eagle

Clear Bridge

Driehaus

Emerald

Fidelity

Institutional Product RFP Response

Alliance Bernstein* Riverbridge
American Century** TimesSquare
Baron** Victory**
Columbia Threadneedle** Wells Fargo*
Franklin Templeton* Westfield*
Lord Abbett* William Blair**

Cut 1: Minimum Qualifications - 23 total strategies

Institutional Product RFP Response

Alger Hartford (SCG) Riverbridge Alliance Bernstein* Eagle Hartford (Sco) American Century** TimesSquare Janus Henderson Clear Bridge Baron** Victory** **Loomis Sayles** Driehaus Columbia Threadneedle** Wells Fargo* Principal **Emerald** Franklin Templeton* Westfield* Fidelity Lord Abbett* William Blair**

No managers removed

Mutual Fund Only

Mutual Fund Only

Hartford (SCG)

Hartford (Sco)

Loomis Sayles Principal

Janus Henderson

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

MERCER

Cut 2: Org Background and Business Strength – 23 total strategies

Institutional Product RFP Response Mutual Fund Only

Alliance Bernstein* Riverbridge Alger Hartford (SCG) American Century** TimesSquare Eagle Hartford (Sco) Baron** Victory** Clear Bridge Janus Henderson Columbia Threadneedle** Wells Fargo* Driehaus **Loomis Sayles** Principal Franklin Templeton* Westfield* Emerald

Lord Abbett* William Blair** Fidelity

No managers removed

Cut 3: Investment Experience – 22 total strategies

<u>Institutional Product RFP Response</u> <u>Mutual Fund Only</u>

Alliance Bernstein* Riverbridge Alger Hartford (SCG) American Century** TimesSquare Hartford (Sco) Eagle Victory** Clear Bridge Janus Henderson Baron** **Loomis Sayles** Columbia Threadneedle** Wells Fargo* **Emerald** Franklin Templeton* Westfield* **Fidelity** Principal Lord Abbett* William Blair**

Driehaus was removed due to City of LA mandate representing more than 10% of strategy assets, making concentration risk higher than desired.

^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

MERCER

Active Small Cap Growth Equity

Cut 4: Investment Approach & Process - 22 total strategies

Institutional Product RFP Response

Mutual Fund Only

Alliance Bernstein* Riverbridge
American Century** TimesSquare
Baron** Victory**
Columbia Threadneedle** Wells Fargo*
Franklin Templeton* Westfield*
Lord Abbett* William Blair**

Alger Hartford (SCG)
Eagle Hartford (Sco)
Clear Bridge Janus Henderson
Emerald Loomis Sayles
Fidelity Principal

No managers removed

Cut 5: Performance – 17 total strategies

<u>Institutional Product RFP Response</u>

Alliance Bernstein* Riverbridge
American Century** Victory**
Baron** Wells Fargo*
Columbia Threadneedle** Westfield*
Franklin Templeton* William Blair**

Mutual Fund Only

Alger Hartford (Sco)
Clear Bridge Loomis Sayles
Fidelity Principal

TimesSquare, Eagle, Emerald, Hartford (SCG), and Janus Henderson were removed due to poor overall performance metrics.

Lord Abbett*



^{*}Mutual fund vehicle also available and passed initial screening

^{**}Mutual fund vehicle also available that did not pass initial screening

Cut 6: Administration & Reporting and Transition – 17 total strategies

Institutional Product RFP Response

Alliance Bernstein* Riverbridge
American Century** Victory**
Baron** Wells Fargo*
Columbia Threadneedle** Westfield*
Franklin Templeton* William Blair**

Lord Abbett*

Mutual Fund Only

Alger Hartford (Sco)
Clear Bridge Loomis Sayles
Fidelity Principal

No managers removed

Cut 7: Fees - 11 total strategies

Institutional Product RFP Response

Alliance Bernstein* Lord Abbett*
American Century** Riverbridge
Columbia Threadneedle** Victory**
Franklin Templeton* Wells Fargo*

Mutual Fund Only

Clear Bridge Hartford (Sco)

Fidelity

Baron, Westfield, William Blair, Alger, Loomis Sayles, and Principal were removed due to the lowest cost viable vehicle having an expense ratio in the bottom third of candidates (above 0.80%).

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening



• Following the stage 1 screening process, 11 active small cap growth equity strategies are recommended to be included in the search deck.

^{**}Mutual fund vehicle also available that did not pass initial screening



^{*}Mutual fund vehicle also available and passed initial screening

Active Small Cap Growth Equity

	Organizational Strength And Continuity					
	Business Strength And Resiliency	Number of Investment Professionals	Firmwide Assets (\$B)	Year Firm Founded	History Of Legal And Regulatory Proceedings*	
AB		582	685.9	1971		
ACIM		199	212.5	1958		
Baron		103	47.7	1982		
Columbia Threadneedle		265	396.2	1985		
Franklin Templeton		715	1,497.6	1947		
Lord Abbett		392	223.7	1929		
Riverbridge		21	13.0	1987		
TimesSquare		46	16.1	2000		
Victory		224	147.2	1894		
Wells Fargo		451	509.0	1981		
Westfield		33	17.0	1989		
William Blair		143	69.7	1935		
Alger		53	46.2	1964	N/A*	
Eagle		58	32.4	1976	N/A*	
Clear Bridge		144	177.0	1962	N/A*	
Driehaus		39	12.3	1982	N/A*	
Emerald		22	6.0	1991	N/A*	
Fidelity		761	3,609.1	1946	N/A*	
Hartford (SCG - Incumbent)		246	103.6	1810	N/A*	
Hartford (Sco)		246	103.6	1810	N/A*	
Janus Henderson		1604	401.6	2017	N/A*	
Loomis Sayles		735	347.8	1926	N/A*	
Principal		561	545.0	1998	N/A*	

Favorable	>50	>25B	>10 years	
Favorable	26-50	10B-25B	5-10 years	
Further Review	11-25	5B-10B	3-<5 Years	
Concerns	<=10	<5B	<3 Years	

^{*}All RFP respondents indicated that there were no material proceedings affecting the services they would provide. Mercer is unable to evaluate the veracity of this assertion, though we viewed these responses to be satisfactory. Legal and Regulatory histories have not been assessed for the mutual fund candidates.



Active Small Cap Growth Equity

		Investment	Experience	
	History Of Managing Small Cap Growth Equity	Scale Of Small Cap Growth Equity Assets Under	City of LA % of Strategy Assets	Number of Portfolio Managers
AB	1970	8.0	2.0%	5
ACIM	2001	2.0	7.3%	2
Baron	1997	5.2	3.0%	1
Columbia Threadneedle	1992	3.5	4.4%	2
Franklin Templeton	1992	4.6	3.4%	2
Lord Abbett	1973	5.9	2.7%	4
Riverbridge	1988	3.5	4.3%	3
TimesSquare	1986	4.0*	3.9%	3
Victory	1987	4.6	3.4%	5
Wells Fargo	1994	1.9	7.8%	4
Westfield	1989	2.3*	6.6%	16
William Blair	1994	2.4	6.1%	2
Alger	2015	10.0*	1.6%	1
Eagle	1993	3.0	5.0%	3
ClearBridge	1997	7.3	2.1%	2
Driehaus	1980	1.4	10.1%	2
Emerald	1992	5.5 6.3*	2.8%	3
Fidelity			2.5%	1
Hartford (SCG - 1994 Incumbent)		5.2	3.0%	3
Hartford (Sco)	1996	2.4	6.2%	2
Janus Henderson	1985	4.7	3.3%	2
Loomis Sayles	2005	5.0	3.1%	2
Principal	2000	2.9	5.2%	2

	Investment Approach And Process					
Investment Approach	Typical Number of Holdings**	Expected Annual Turnover	Median Market Cap (\$B)	Average Market Cap (\$B)		
Blend	113	50%	4.2	5.2		
Blend	142	250%	3.9	4.6		
Fundamental	75	15%	5.7	11.3		
Fundamental	93	100%	4.6	6.7		
Fundamental	148	50%	3.6	4.5		
Fundamental	102	150%	4.6	5.7		
Fundamental	50	20%	4.7	5.4		
Fundamental	100-120	75%	Not provided	Not provided		
Fundamental	106	100%	3.3	4.4		
Fundamental	97	75%	3.5	3.9		
Fundamental	70	75%	5.6	6.3		
Fundamental	88	83%	3.1	3.6		
Fundamental	50	40%	5.5	8.4		
Fundamental	100	65%	5.2	5.8		
Fundamental	91	20%	3.9	4.8		
Blend	113	362%	4.2	6.3		
Fundamental	110-120	60%	3.2	3.4		
Fundamental	269	113%	3.9	5.8		
Blend	164	88%	3.1	3.7		
Fundamental	100	175%	3.0	4.0		
Fundamental	134	40%	3.8	6.7		
Fundamental	99	85%	3.4	3.8		
Quantitative	1267	68%	1.4	2.3		

>10 Years	>2-10	<3%	
8-10 Years	>10-12	3%-5%	
o To Tears	7 10 12	3 70 3 70	1 or >10 &
5-7 Years	1-2, >12-15	>5% - 10%	Fundamental
<5 Years	<1.>15	>10%	

50-125	<50	+/- 25% from BM***	+/- 25% from BM***
		+/- 26%-50% from	+/- 26%-50% from
126-200	50-100	BM***	BM***
<50 <i>,</i> >200	101-200	+/- >50% from BM***	+/- >50% from BM***
	>200		

^{***}Russell 2000 Growth Benchmark: Median Market Cap is \$1.28B. Average Market Cap is \$4.22B



^{*}Data as of 6/30/21

^{**}Legend applies to Fundamental and Blend strategies

	Investment Performance					Benchmark	
	Overall 5-Year Performance Relative to Universe	5-Year Std Dev	5-Year IR	5-Year Sharpe Ratio	Correlation vs Russell Small Cap Growth Index	Overall Performance Metrics (1-20) (Assigns a 1-4 point score for each of the 5 performance dimensions to the left.)	
AB	28.5	20.4	1.91	1.34	0.97	19	Russell 2000 Growth
ACIM	26.2	20.1	1.73	1.24	0.98	18	Russell 2000 Growth
Baron	22.5	20.3	0.60	1.05	0.94	15	Russell 2000 Growth
Columbia Threadneedle	30.6	21.7	1.83	1.35	0.95	17	Russell 2000 Growth
Franklin Templeton	23.5	21.4	0.88	1.04	0.97	15	Russell 2000 Growth
Lord Abbett	29.1	21.8	1.17	1.28	0.91	16	Russell 2000 Growth
Riverbridge	25.9	18.6	0.97	1.33	0.93	17	Russell 2000 Growth
TimesSquare	19.4	21.0	0.16	0.87	0.97	10	Russell 2000 Growth
Victory	22.9	20.9	0.72	1.04	0.96	15	Russell 2000 Growth
Wells Fargo	25.9	21.9	1.17	1.13	0.96	15	Russell 2000 Growth
Westfield	22.1	19.5	0.60	1.07	0.96	16	Russell 2000 Growth
William Blair	24.3	19.9	1.14	1.16	0.97	17	Russell 2000 Growth
Alger	27.9	20.6	0.87	1.30	0.86	16	Russell 2000 Growth
Eagle	17.9	20.5	-0.16	0.82	0.98	10	Russell 2000 Growth
ClearBridge	24.5	20.2	1.00	1.16	0.96	16	Russell 2000 Growth
Driehaus	33.2	22.9	1.91	1.40	0.94	16	Russell 2000 Growth
Emerald	20.1	20.7	0.29	0.92	0.97	10	Russell 2000 Growth
Fidelity	22.9	18.7	0.81	1.16	0.97	17	Russell 2000 Growth
Hartford (SCG - Incumbent)	18.3	20.7	-0.10	0.83	0.99	10	Russell 2000 Growth
Hartford (Sco)	24.3	21.2	1.10	1.09	0.97	16	Russell 2000 Growth
Janus Henderson	18.7	19.4	0.02	0.91	0.98	11	Russell 2000 Growth
Loomis Sayles	21.0	19.4	0.50	1.02	0.97	14	Russell 2000 Growth
Principal	22.0	19.8	0.84	1.05	0.98	15	Russell 2000 Growth

1st Quartile (>26.9)	1st Quartile (<19.6)	1st Quartile (>1.10)	1st Quartile (>1.24)	0.96-1	18-20
2nd Quartile (22.3-26.9)	2nd Quartile (19.6-20.7)	2nd Quartile (0.58-1.10)	2nd Quartile (1.04-1.24)	0.91-0.95	15-17
3rd Quartile (18.9-22.3)	3rd Quartile (20.7-21.8)			0.85-0.90	13-14
4th Quartile (<18.9)	4th Quartile (>21.18)	<0.58 (Median)	<1.04 (Median)	<0.85	<13



	Portfolio Transition		
АВ			
ACIM			
Baron			
Columbia Threadneedle			
Franklin Templeton			
Lord Abbett			
Riverbridge			
TimesSquare			
Victory			
Wells Fargo			
Westfield			
William Blair			
Alger			
Eagle			
ClearBridge			
Driehaus			
Emerald			
Fidelity			
Hartford (SCG -			
Incumbent)			
Hartford (Sco)			
Janus Henderson			
Loomis Sayles			
Principal			

Administrativ	e and Reporting
Able to provide a daily NAV?	Additional Sep. Acct Costs/Reporting
	If SA used
	If SA used

P					
		Fees	I	I	
Separate Account	СІТ	Mutual Fund (Rev. Share)	Most Cost Effective and/or Viable Vehicle	Effective Expense Ratio	
N/A	0.70%	0.82%	CIT	0.70%	
0.75%	0.80%	0.87%	CIT	0.80%	
0.73%	N/A	1.05%	MF	1.05%	
0.58%	0.50%	0.89%	CIT	0.50%	
0.74%	N/A	0.66%	MF	0.66%	
N/A	0.56%	0.59%	CIT	0.56%	
0.90%	0.70%	N/A	CIT	0.70%	
N/A	0.80%	Closed	CIT	0.80%	
N/A	0.70%	1.06%	CIT	0.70%	
N/A	0.53%	0.85%	CIT	0.53%	
0.65%	N/A	0.81%	MF	0.81%	
N/A	0.84%	1.18%	CIT	0.84%	
		0.84%		0.84%	
		0.66%		0.66%	
		0.78%		0.78%	
		0.83%		0.83%	
		0.72%		0.72%	
		0.66%		0.66%	
		0.66%		0.66%	
		0.79%		0.79%	
		0.67%		0.67%	
		0.82%		0.82%	
		0.84%		0.84%	

Mutual Fund	
Existing CIT	
New CIT	
Sep. Acct	



Grey shading indicates fees above MF screening threshold







Appendix

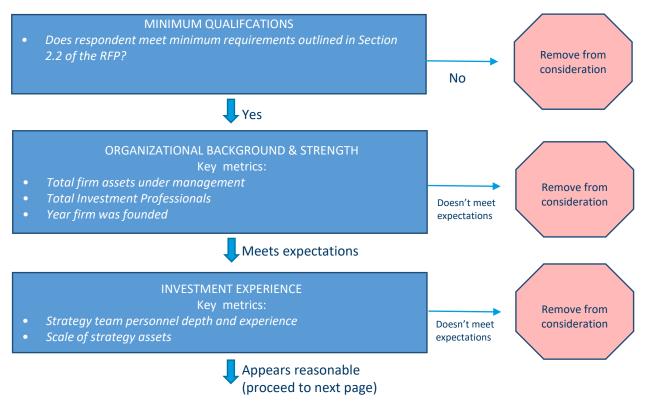




Background

Stage 1 Evaluation Process

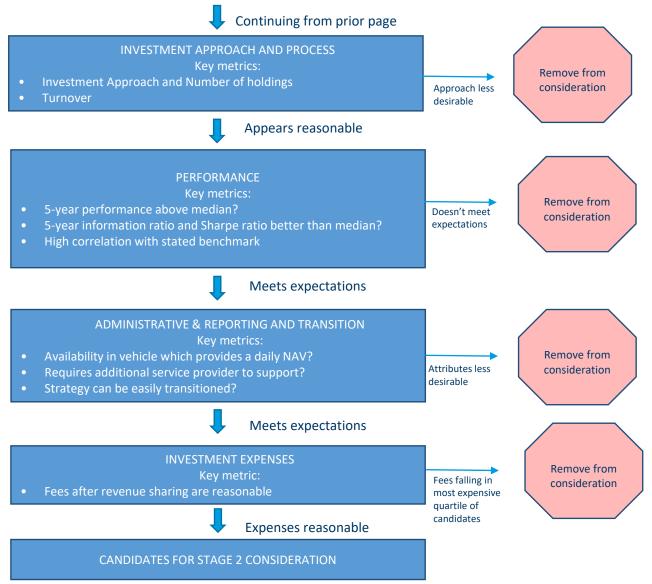
• Illustration of Stage 1 process: We provide an illustration of the general process we propose below and also include a detailed example illustrating how this approach would apply to the Active International Small Cap Equity category in the Appendix for further context.





Background

Stage 1 Evaluation Process





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