CITY OF PHILADELPHIA
SINKING FUND COMMISSION

IN RE: November Meeting

Wednesday, November 14, 2018

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This Meeting of the Sinking Fund Commission, held pursuant to notice in the above mentioned cause, before Angela M. King, RPR, Court Reporter - Notary Public there being present, held at Two Penn Center, 16th Floor Conference Room on the above date, commencing at approximately 10:05 a.m., pursuant to the State of Pennsylvania General Court Rules.

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1		1	What we would like to do is pair one
2	APPEARANCES	2	core manager with a passive, with an index
3		3	manager. So, that's the first memo. We would
4	COMMISSION MEMBERS:	4	need a RFP authorizing us to search for a
5	Donn Scott, Chairman	5	passive manager pegged to the S&P 600. We think
6	Rasheia Johnson, Treasurer	6	this would do a couple things, not the least of
7	Kellan White, Controller's Office	7	which is lower fees which I think this
8	Tionan (vines, comizonor o cines	8	Commission has done a good job on over the past
9	ALSO PRESENT:	9	few years. We have brought down fees fairly
10	Christopher R. DiFusco, CIO, PGW	10	significantly.
11	Alex Goldsmith, PFM Asset Management	11	I will let Marc and Alex go into the
12	Marc Ammaturo, PFM Asset Management	12	details of their two memos. That is the
13	City Solicitor Representatives	13	background of what we are proposing today.
14	PGW Representatives	14	MR. GOLDSMITH: Sure. Thanks, Chris.
15	1 GW Representatives	15	You know, the genesis of this RFP goes
16		16	back to similarly, to the other asset classes
17		17	where this has been done. When we came on board
18		18	in early 2016, the portfolio was largely set up
19		19	on value growth dichotomy with style-bucket
20		20	managers, value, you know, characteristics and
		21	then growth manager, growth characteristics.
21		22	
22		23	It's a part of our philosophy that over time, the best of those sorts of dichotomies get
23		23	
24		24	you is a split or, at best, you can replicate
	Page 3		Page 5
			rage 3
1		1	
1 2	CHAIRMAN SCOTT: Good morning, everyone.	1 2	index performance. We prefer, you know, using a
	CHAIRMAN SCOTT: Good morning, everyone. It's my pleasure to call this meeting to order.		index performance. We prefer, you know, using a core manager approach where that manager has the
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I	Page 6		Page 8
1	advantage from having separate value growth over	1	speculate, below 50 basis points. So,
2	periods of time.	2	considerable fee savings.
3	Chris mentioned the use of an index. We	3	And again, you know, you will have
4	have obviously utilized an index approach in the	4	passive exposure. You are getting what the
5	other asset classes. It does lower fees fairly	5	total asset class does. But remember, this S&P
6	significantly. It removes the risk of missing a	6	600 has higher quality index. That should, I
7	benchmark. However, typically again, you are	7	think, prevent some of the negative elements of
8	not going to get any alpha above.	8	investing in index. You ride the market up, but
9	The Russell 2000 passive strategy has	9	you also ride it down. One would expect higher
10	been approved for use in the Sinking Fund since	10	quality companies to outperform in a down
11	early 2016, right before we came on board. It's	11	market.
12	sort of been sitting on the sidelines.	12	I think maybe the first action I
13	Conventionally, the small cap space has been one	13	don't know do an action item right now. It
14	where active managers have been able to, you	14	would be to approve, you know, an RFP for the
15	know, utilize their informational advantage and	15	S&P 600, to switch the benchmark on the approved
16	outperform. And so you know, we while we	16	index from the Russell 2000 to the Russell 600.
17	have had that sort of an option to go to if we	17	That would require an RFP.
18	felt that market conditions warranted it using	18	CHAIRMAN SCOTT: That would require
19	the Russell 2000 and a passive approach, we	19	action?
20	haven't utilized that just yet.	20	MR. DiFUSCO: Correct.
21	One of the reasons being that when it	21	CHAIRMAN SCOTT: The action again is to
22	comes to indexing in the small cap space, PFM	22	approve?
23	believes that there is, frankly, a better index	23	MR. DiFUSCO: Posting an RFP.
24	to use. That's the S&P 600. That's the first	24	MS. JOHNSON: We would need an index
 	to use. That's the sect 600. That's the mist		1.20.0 0.12 15 0.111 17 0 17 0 22 0 22 0 22 0 22 0 22 0 2
	Page 7		Page 9
1	memo you see in the book here. Essentially, the	1	manager for the S&P 600?
2	difference is, the S&P 600 includes is made	2	MR. DiFUSCO: Correct. We would need
3	up of all, you know, profitable, revenue-earning	3	approval to put up the RFP. If the Commission
4	companies. Where the Russell 2000 includes some	4	is inclined, I would ask someone to make the
5	companies that are pre-revenue, pre-profit,	5	motion to approve.
6	essentially lower quantity. That's a vast much	6	MS. JOHNSON: I will make a motion to
7	larger index. And you know, it's something we	7	approve unless questions.
8	have done in our discretionary portfolios.	8	A motion to put up the RFP for the S&P
9	When we decided to add small caps,	9	600.
10	whether it's for tactical short term trade or	10	MR. WHITE: Second.
11	diversification elsewhere, going with a passive	11	CHAIRMAN SCOTT: All those in favor?
12	S&P 600 is a way to access the asset class while	12	(Ayes.)
13	keeping costs low. So that's, you know, the	13	CHAIRMAN SCOTT: Ayes have it.
14	effect of pairing an active manager with an	14	MR. DiFUSCO: Thank you.
15	index, I think will be quite drastic on fees.	15	MR. GOLDSMITH: We will write that up.
16	Right now the two funds are charging,	16	The following page, the next memo is the
16	1 1 .6 XX 1 XX 1 100	17	summary of the three managers. I gave an
17	you know, 1 percent for Vaughan Nelson and 80		
17 18	basis points for Eagle. Across the asset class,	18	overview of where we were coming from and what
17 18 19	basis points for Eagle. Across the asset class, you are paying all in 90. You know, the active	19	overview of where we were coming from and what we'd ideally like to get to.
17 18	basis points for Eagle. Across the asset class, you are paying all in 90. You know, the active manager that you will see in a proposed very	19 20	overview of where we were coming from and what we'd ideally like to get to. Like I mentioned, all three of these
17 18 19 20 21	basis points for Eagle. Across the asset class, you are paying all in 90. You know, the active manager that you will see in a proposed very attractive fees well below the current managers	19 20 21	overview of where we were coming from and what we'd ideally like to get to. Like I mentioned, all three of these managers are core in that they are not dictated
17 18 19 20 21 22	basis points for Eagle. Across the asset class, you are paying all in 90. You know, the active manager that you will see in a proposed very attractive fees well below the current managers and/or total below, but then the effective	19 20 21 22	overview of where we were coming from and what we'd ideally like to get to. Like I mentioned, all three of these managers are core in that they are not dictated to a value or growth benchmark. All three of
17 18 19 20 21	basis points for Eagle. Across the asset class, you are paying all in 90. You know, the active manager that you will see in a proposed very attractive fees well below the current managers	19 20 21	overview of where we were coming from and what we'd ideally like to get to. Like I mentioned, all three of these managers are core in that they are not dictated

3 (Pages 6 to 9)

	Page 10		Page 12
1	the S&P 600? It's the universe of active	1	element to it. There are macro decisions set.
2	managers and small cap, majority of them are	2	Human intervention is there at all areas at
3	benchmarked to the Russell 2000.	3	all stages of the process. But this portfolio
4	Additionally, the plan benchmark or	4	is could be larger in terms of the number of
5	the the plan benchmark is the Russell 3000.	5	stocks. It will be somewhat more benchmark
6	We included small caps, including large caps,	6	like. You know, will have a higher turnover.
7	the equity component. But the way the IPS is	7	Between Copeland and Macquarie, I think
8	stated, it's stated that active managers will	8	other slight differences there. Both tend to
9	look against will be benchmarked against	9	skew towards the high quality spectrum of the
10	broad market indexes such as the Russell 2000.	10	small cap universe. So likely, they are going
11	It is explicitly mentioned in the IPS that given	11	to hold off revenue profit companies anyway.
12	the total component of the plan, you know, of	12	Copeland, specifically, I think they looked
13	the small cap plan should be looked at against	13	quality in the dividend growth space. So you
14	the Russell 2000.	14	know, I think a lot of they will say to
15	It's sort of an active decision to add	15	themselves, I think a lot of companies you think
16	that S&P 600. We are trying to the use that 600	16	of large caps paying these kind of dividends.
17	to basically beat the 2000. The active manager,	17	There is a lot of small cap companies
18	their goal is to beat the 2000. As a whole,	18	more greater number, actually, that are dividend
19	that is really our target in between whether	19	players. It's an indication of the health of
20	it's PFM staff, management. When it comes to	20	those companies how frequently and by what
21	small cap space, the desired benchmark is that	21	magnitude they are able to consistently grow
22	Russell 2000. That explains the difference	22	their dividends. I think their philosophy is
23	there and why the benchmark these managers	23	rooted in that.
24	against the 2000.	24	Whereas, Macquarie, they basically take
	Page 11		
	rage II		Page 13
1	You know, broadly, two of the managers	1	a pure bottom-up approach. There is not a lot
1 2	You know, broadly, two of the managers are fundamental managers running concentrated	1 2	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio.
	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection	2 3	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar
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2 3 4 5	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection that. That is looking at each company based on the individual merits of, you know, their	2 3 4 5	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar to the benchmark. And they are looking for the best performer or best position, best you
2 3 4	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection that. That is looking at each company based on the individual merits of, you know, their capital structure, you know, return on equity	2 3 4 5 6	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar to the benchmark. And they are looking for the
2 3 4 5	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection that. That is looking at each company based on the individual merits of, you know, their capital structure, you know, return on equity investment at the company, abilities of	2 3 4 5 6 7	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar to the benchmark. And they are looking for the best performer or best position, best you know, operating companies within each of those sectors.
2 3 4 5 6 7 8	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection that. That is looking at each company based on the individual merits of, you know, their capital structure, you know, return on equity investment at the company, abilities of management, competitive position in their	2 3 4 5 6 7 8	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar to the benchmark. And they are looking for the best performer or best position, best you know, operating companies within each of those sectors. You know, just some other asides,
2 3 4 5 6 7 8 9	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection that. That is looking at each company based on the individual merits of, you know, their capital structure, you know, return on equity investment at the company, abilities of management, competitive position in their market, you know, relative to similar firms,	2 3 4 5 6 7 8 9	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar to the benchmark. And they are looking for the best performer or best position, best you know, operating companies within each of those sectors. You know, just some other asides, Matarin is a certified aluminum business based
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	You know, broadly, two of the managers are fundamental managers running concentrated portfolios focused on bottom-up stock selection that. That is looking at each company based on the individual merits of, you know, their capital structure, you know, return on equity investment at the company, abilities of management, competitive position in their market, you know, relative to similar firms, competitors, you know, the traditional bottom-up approach. Where the other funds, those funds are Copeland and Macquarie. There are some distinctions between them. I will get to them in a second. The other fund, Matarin. This is a quantitative model driven approach. I don't want to say it's formulaic in that these models are built. And so, that there is constant feedback given in the weighting of, you know, the factors that go into model output are constantly being updated or changed, adjusted or based on what industry a company is in or	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	a pure bottom-up approach. There is not a lot of, almost no macro tilt to that portfolio. Their sector stock weightings are very similar to the benchmark. And they are looking for the best performer or best position, best you know, operating companies within each of those sectors. You know, just some other asides, Matarin is a certified aluminum business based in New York. Macquarie, while they are owned by the large Australian conglomerate, they are the their investment management arm is actually headquartered here in Philadelphia via the acquisition of Delaware Investments. And you know, so they qualify as a local business. Copeland is based in Conshohocken which I think by definition excludes them from officially being considered a local business. MR. DiFUSCO: I think it's also just worth mentioning, Copeland's fees are on page 39 of their proposal. They come in I am approximating here because of the tier breaks.

4 (Pages 10 to 13)

	Page 14		Page 16
1	on page 17 of their proposal. They are	1	distant pass used Matarin and/or interviewed
2	approximately 80, give or take. And Macquarie	2	them, but it was I am reaching there. It may
3	is on page 32 of their proposal. And they are	3	have been before I started with investment
4	roughly 85. And that, again, is because of the	4	staff. I feel like I have some familiarity with
5	tier breaks. That is why I am approximating.	5	them, you know, from prior interviews. But we
6	Because it will depend on the exact dollar	6	do not use any of these three.
7	amount that is put in.	7	MS. JOHNSON: Just so you know, we
8	So you know, Copeland came in with the	8	actually are in the midst of on the
9	most competitive, you know, bid out of the	9	investment side for the City's dollars are
10	three.	10	contracting with Delaware Macquarie, so they can
11	MR. AMMATURO: Relative to the universe	11	start to manage some of the City. It's very
12	of small cap managers, 55 basis points is very,	12	short-term.
13	very low. That's usually like a large cap fee.	13	MR. DiFUSCO: Okay.
14	MR. DiFUSCO: Yeah. That's very low.	14	CHAIRMAN SCOTT: When a firm gives us a
15	And so, we had each manager scheduled to	15	fee, they are locked into that fee for what
16	speak for approximately 20, 25 minutes, you	16	period of time?
17	know, and answer questions, et cetera. Happy to	17	MS. JOHNSON: Everything is negotiable.
18	taken any preliminary questions before they	18	MR. DiFUSCO: Everything is negotiable.
19	begin if the Commissioners have any.	19	There is no we can always press I mean, we
20	CHAIRMAN SCOTT: Do you normally see a	20	always we get an initial fee. PFM and staff
21	disparity of that many basis points?	21	always go back and ask for best, last and final.
22	MR. DiFUSCO: For a fee? I think to	22	That doesn't preclude us from pushing them again
23	Marc's point, it was a little surprising. I	23	at the table or after the meeting. They are not
24	would have expected, you know, the lowest fee	24	locked into anything.
24	would have expected, you know, the lowest lee	24	locked into anything.
	Page 15		Page 17
1	to, let's say, maybe be 65 or 70. Fifty-five is	1	I think to Rasheia's point, I was
2	very, very aggressive. I mean, you know, in a	2	unaware of that. I appreciate her bringing it
3	positive way, not in a negative way aggressive.	3	up. That may give us a little more leverage
4	You know as Alex mentioned, current managers who	4	with Macquarie because we can ask them, you
5	I think particularly Vaughan are a little on the	5	know, to basically treat all the assets as City
6	high side. Vaughan is around 1 percent, Eagle	6	assets the same way we have done with PGW and
7	is around 80. That is more typical in the small	7	municipal plan. We want to treat everything as
8	cap universe.	8	one pile of City money for fee purposes. We may
9	I don't think Matarin or Macquarie's	9	be able to exert additional pressure on that to
10	fees are out of line compared to the universe.	10	lower the fees.
11	But Copeland is clearly, you know, aggressively	11	CHAIRMAN SCOTT: If a firm says 55, is
12	pushing for the business. Discounting heavily	12	that forever and ever?
13	relative to their peers. I would not say that	13	MR. DiFUSCO: No.
14	that's normal. It's appreciated, but it's not	14	MR. AMMATURO: It's not going to go
15	normal.	15	higher.
16	MR. AMMATURO: Yeah. I echo those	16	MR. DiFUSCO: It's not going to go
17	comments. Their pricing in the business, it's	17	higher. Always able to I apologize. I
18	an outlier, 55 basis points, for small cap.	18	didn't understand.
	CHAIRMAN SCOTT: Does the City	19	CHAIRMAN SCOTT: The bait and switch?
	CHARIMAN SCOTT, DUES HIE CHY		That's what I
19		1 / 11	
19 20	potentially claim any of these?	20	
19 20 21	potentially claim any of these? MR. DiFUSCO: We do not. We've	21	MR. DiFUSCO: No. It's not going to go
19 20 21 22	potentially claim any of these? MR. DiFUSCO: We do not. We've interviewed Delaware for other	21 22	MR. DiFUSCO: No. It's not going to go higher.
19 20 21	potentially claim any of these? MR. DiFUSCO: We do not. We've	21	MR. DiFUSCO: No. It's not going to go

5 (Pages 14 to 17)

	Page 18		Page 20
1	contracts still, correct?	1	that's dividend growth investing. We do it
2	MR. DiFUSCO: They are series of rolling	2	across all capitalization ranges: Large, mid
3	one-year contracts. But it would never go	3	small. And even then separately, we do it with
4	higher. If a manager came back and said they	4	an international team as well that applies the
5	wanted it to go higher, we would have to agree	5	same process to international focus.
6	to that, which we obviously wouldn't do.	6	As I said, we are based right up here in
7	Will not go higher. We will always try	7	Conshohocken. We manage about 3 billion in
8	to push it lower. Sorry about that.	8	assets. We've grown quite a bit over the last
9	CHAIRMAN SCOTT: No, no. No problems.	9	few years. We've added some key folks to the
10	Should we go on with the interview process?	10	firm as you can see by the timeline. In 2012,
11	MS. JOHNSON: Yes.	11	we hired Erik Granade a formal global equity CIO
12	MR. GOLDSMITH: Okay.	12	at Invesco. More recently as the firm has
13		13	grown, added Steve Adams from AMG. More
14	(Copeland Capital Management Reps brought in.)	14	recently Sofia Rosala from Aberdeen Funds and
15		15	Anthony Godonis from Aberdeen, as well. As we
16	MR. DiFUSCO: Good morning.	16	have grown, we have developed a very significant
17	Thank you gentleman for coming in. So	17	operational and compliance infrastructure, as
18	your Commissioners are Donn Scott, Chairman;	18	well, which we think is a very important part of
19	City Treasurer, Rasheia Johnson; and the First	19	the organization.
20	Deputy City Controller, Kellan White.	20	Page 3 tells you a little bit about some
21	If you can take 20, 25 minutes, I will	21	of the entities we manage money for. We have a
22	try to give you hand signals, five-minute	22	very diverse client mix across different client
23	warning sort of last question. Sure we will	23	types as well as across our different
24	have questions along the way. Just go through	24	strategies, or small caps, mid, and all cap. I
			1
	Page 19		Page 21
1	your strategy, your process and, you know, why	1	can see some large corporate DB plans: Union
2	you think you can add value to the PGW plan.	2	Pacific and Caterpillar to name a few. Some
3	MR. BARRETT: Sure. Thank you for the	3	large public funds: Pennsylvania Municipal
4	opportunity to come in here this morning. I	4	Retirement, Chicago Transit Authority to name a
5	guess just brief introductions. My name is	5	few as well as some sizeable endowment
6	Chuck Barrett. I head up sales and relationship	6	foundation assets. And it's some large
7	management for Copeland Capital Management.	7	subsidized mandates with the likes of Russell
8	MR. GIOVANNIELLO: Mark Giovanniello.	8	and JP Morgan. So if there are no questions at
9	I'm Chief Investment Officer and lead portfolio	9	the firm level, we can dive into the philosophy
10	manager on small cap strategy.	10	and the process and how that all comes together.
11	MR. BARRETT: Great. In the interest of	11	Does that make sense?
12	time, we handed out a presentation, maybe tell	12	MR. GIOVANNIELLO: We do layout on Slide
13	you a little bit about the form Copeland	13	4 the team, myself as I mentioned, CIO. Lead PM
14	Capital.	14	on the dividend growth strategy, also covering a
15	We are a local firm. We are based just	15	couple of sectors, healthcare, energy and
16	up the road here in Conshohocken. We are	16	materials. We break up the world by sectors.
17	100 percent employee owned, most members of the	17	This team is managing all each of the
18	firm are equity owners. Every member of the	18	domestic strategies. And we have had stability.
19	investment team is an equity owner in the firm.	19	We have last man hired here was John Cummings
20	We think that's an important part of our firm's	20	back in 2014 right out of Haverford. We are
21	organizational fabric and culture. I think it	21	proud of everyone being an owner in the firm on
		22	the team, even the young folks and having never
	bleeds into how we manage the strategy as well	44	the team, even the young torks and having never
22	bleeds into how we manage the strategy as well as how we manage the organization.	l	
	as how we manage the strategy as well as how we manage the organization. We do one thing and one thing only, and	23 24	lost anyone and having nice stability over time on the team.

6 (Pages 18 to 21)

	Page 22		Page 24
1	I think that points as well to the	1	company that actually have that ability to pay
2	culture, the entrepreneurial attitude at the	2	and raise their dividend every single year. And
3	firm of a small emerging firm, but also one	3	when they raise that dividend signal, the
4	willing to share equity with everybody.	4	strength of their business look down into the
5	The real differentiator of Copeland is	5	small cap only 30 percent of the company.
6	that we are solely focused on dividend growth	6	So, we are able to find companies, if
7	investing, as Chuck mentioned. We believe that	7	you look at the numbers, up in small cap, that
8	companies that consistently raise their dividend	8	there are 800 names that have raised their
9	every year are most likely to outperform the	9	dividend at the current time by one year just in
10	market with a lot less risk, significant less	10	the last year. We actually hone in more on the
11	risk. Typically, it's been a large cap	11	three five-year plus div growers or average year
12	phenomenon where you probably heard of many	12	of dividend growth. Happens to be about nine
13	firms or strategies available in the large cap	13	years in the strategy, but the availability is
14	space, big blue chip companies such as Johnson	14	broad. You can see there is availability of
15	and Johnson and IBM and so on, long term	15	800-plus names, as many or more than you have
16	dividend growers. We are able to find companies	16	when investing in large and mid cap only
17	in the small cap space, emerging companies that	17	strategies.
18	treat shareholders well, have a business model	18	So in the two points within one, we have
19	that's conducive to producing cash every single	19	plenty of names to pick from. But also that our
20	year so that they can pay and raise dividend	20	benchmark that is more volatile, has a low
21	every year. As a result, it puts us into a very	21	percentage weight in these high quality
22	attractive corner of the small cap market.	22	successful companies, cash flow generative
23	If you look on Slide 6, we show the	23	companies. And so, we are able to differentiate
24	typical Efficient Frontier, the brisk reward	24	dramatically from that more volatile benchmark
	Page 23		Page 25
1	equation of where you invest in the market.	1	but still provide what we think are extremely
2	Typically investors are very much expecting as	2	
		_	attractive returns. If you look on Slide 8,
3	you move down market cap, the further smaller	3	attractive returns. If you look on Slide 8, this is going back to the 80s. We asked Ned
3 4	you move down market cap, the further smaller you get, the more volatility to expect. What we		this is going back to the 80s. We asked Ned Davis Research, which is research firm well
	you get, the more volatility to expect. What we	3	this is going back to the 80s. We asked Ned Davis Research, which is research firm well
4	you get, the more volatility to expect. What we have found is that honed in only on dividend	3 4	this is going back to the 80s. We asked Ned
4 5	you get, the more volatility to expect. What we have found is that honed in only on dividend growers, if you're looking at small cap, that	3 4 5	this is going back to the 80s. We asked Ned Davis Research, which is research firm well known in the industry based up in Boston,
4 5 6	you get, the more volatility to expect. What we have found is that honed in only on dividend	3 4 5 6	this is going back to the 80s. We asked Ned Davis Research, which is research firm well known in the industry based up in Boston, produces a lot of studies related to dividend
4 5 6 7	you get, the more volatility to expect. What we have found is that honed in only on dividend growers, if you're looking at small cap, that diamond land, it actually has a risk profile	3 4 5 6 7	this is going back to the 80s. We asked Ned Davis Research, which is research firm well known in the industry based up in Boston, produces a lot of studies related to dividend policy for the market. Most people have seen
4 5 6 7 8	you get, the more volatility to expect. What we have found is that honed in only on dividend growers, if you're looking at small cap, that diamond land, it actually has a risk profile really closer to large mid cap stocks in	3 4 5 6 7 8	this is going back to the 80s. We asked Ned Davis Research, which is research firm well known in the industry based up in Boston, produces a lot of studies related to dividend policy for the market. Most people have seen the large cap version of this study. We asked
4 5 6 7 8 9	you get, the more volatility to expect. What we have found is that honed in only on dividend growers, if you're looking at small cap, that diamond land, it actually has a risk profile really closer to large mid cap stocks in between. So, you are able to get access to high	3 4 5 6 7 8 9	this is going back to the 80s. We asked Ned Davis Research, which is research firm well known in the industry based up in Boston, produces a lot of studies related to dividend policy for the market. Most people have seen the large cap version of this study. We asked them back in 2009/2010 when we started launching
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4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	you get, the more volatility to expect. What we have found is that honed in only on dividend growers, if you're looking at small cap, that diamond land, it actually has a risk profile really closer to large mid cap stocks in between. So, you are able to get access to high quality companies with greater growth opportunities given their size, but not take on the substantial risk, what it exists in the small cap benchmark. If you look on Slide 7, you will see if you focus in on the Russell 2000, you will see 54 percent of the companies in that benchmark do not pay the dividend. And most of those companies are not earnings companies. Development stage, higher risk companies, some will succeed of course. There is a huge failure rate within small cap companies. If you look way over on the right, the S&P 500, one of the	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	this is going back to the 80s. We asked Ned Davis Research, which is research firm well known in the industry based up in Boston, produces a lot of studies related to dividend policy for the market. Most people have seen the large cap version of this study. We asked them back in 2009/2010 when we started launching these small mid cap strategies, to look at the studies they have done for large cap companies down market cap. They had never thought of it. No one had ever done it. Still today, we think we are the only managers out there doing investing in this way. Ned Davis produces this for us. And you can see over time, this is back to the '80s, a very attractive premium return profile even though if you look at the bottom left, that risk profile well below other types of stocks, they break up the world by companies that pay a dividend, keep it flat or is really modest.

7 (Pages 22 to 25)

	Page 26		Page 28
1	have a dividend at all or cut their dividend.	1	growers only up 9. We were able to do 15
2	Of course, you know how you can expect companies	2	percent. We will get into why we were able to
3	to do that to be highly volatile and be poor	3	do that. Has to do with our stock selection,
4	performers.	4	our quantitative research we do that helps us do
5	The result in the bottom right, you can	5	a better job picking within the dividend growth
6	see upside/downside captures. There are a lot	6	universe to add value. If you asked about 2018
7	of numbers here. But one thing to hone in on is	7	through September, there was also a major
8	the ability to only have 63 percent downside	8	headwind. Only 7 percent return for dividend
9	capture. This is back to the '80s. It's not	9	growers, non-dividend payers up 15. Benchmark
10	the performance of our strategy. But when you	10	up a 11 and a half. We were a little bit ahead.
11	look at the actual numbers that we have had over	11	Only modestly ahead. That was probably a little
12	the last close to nine years running, the small	12	better than expected when most rapid rises in
13	cap strategy, they are very similar. Upside	13	the market.
14	capture in the '80s, that means when the market	14	We have had years where we outperformed
15	is up 10 percent, we would hope to be up	15	in big rallies. In most strong, aggressive
16	8 percent of that. When the market is down	16	rallies, we expect a lag a little bit. Now ten
17	10 percent, like it was in October, we would	17	years into the longest running upturn in the
18	expect to hopefully be down only 60 percent of	18	market and the economy since 2008 and 2009, we
19	that, 6 percent. Actually, in October, we	19	think the risk of a rapid rise in the market
20	outperformed by 4, 500 basis points. The	20	from here to the next three or five years where
21	Russell 2000 was down 12 percent.	21	you might be concerned or ten years is very low
22	MR. GOLDSMITH: I was going to ask about	22	relative to the chance for more modest returns
23	the statistics, what they would have looked like	23	or more volatility like we are seeing emerge
24	in 2018. You say year-to-date through	24	this year in the market in the environment where
	Dania 27		
	Page 27		Page 29
1	September. Would it have been the same dividend	1	dividend growth really shines.
1 2		1 2	dividend growth really shines.
	September. Would it have been the same dividend		
2	September. Would it have been the same dividend growers outperforming, or has that not been the	2	dividend growth really shines. You can see this year we actually we
2	September. Would it have been the same dividend growers outperforming, or has that not been the case until October.	2 3	dividend growth really shines. You can see this year we actually we were only outperformed a little bit through
2 3 4	September. Would it have been the same dividend growers outperforming, or has that not been the case until October. MR. GIOVANNIELLO: So, we have a slide	2 3 4	dividend growth really shines. You can see this year we actually we were only outperformed a little bit through September despite the headwind. But during
2 3 4 5	September. Would it have been the same dividend growers outperforming, or has that not been the case until October. MR. GIOVANNIELLO: So, we have a slide on that.	2 3 4 5	dividend growth really shines. You can see this year we actually we were only outperformed a little bit through September despite the headwind. But during October through this quarter, we are
2 3 4 5 6	September. Would it have been the same dividend growers outperforming, or has that not been the case until October. MR. GIOVANNIELLO: So, we have a slide on that. MR. BARRETT: On page 33, you will see	2 3 4 5 6	dividend growth really shines. You can see this year we actually we were only outperformed a little bit through September despite the headwind. But during October through this quarter, we are outperforming by 400 basis points. Up
2 3 4 5 6 7	September. Would it have been the same dividend growers outperforming, or has that not been the case until October. MR. GIOVANNIELLO: So, we have a slide on that. MR. BARRETT: On page 33, you will see that. MR. GIOVANNIELLO: Through September and actually for all of 2017 and 2018, there was a	2 3 4 5 6 7 8 9	dividend growth really shines. You can see this year we actually we were only outperformed a little bit through September despite the headwind. But during October through this quarter, we are outperforming by 400 basis points. Up significantly as volatility spiked, the markets drew down. We delivered that downside protection. I think that's what our clients
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8 (Pages 26 to 29)

	Daga 20		Daga 22
	Page 30		Page 32
1	Page 10, hopefully is eye opening to	1	hike. Or else frankly, they are out of their
2	you. We talked about the universe of dividend	2	jobs. That's the mentality.
3	growers and the small cap space. You can see	3	If you raise your dividend and then have
4	the reason why the benchmarks characteristics	4	to cut it after that, that's a tough year in
5	are so volatiles is that this is going back to	5	future employment as manager. These companies
6	the early 1990. That 23 percent of all small	6	are more careful; hence, they avoid the big
7	cap, non-dividend payers will underperform the	7	mistakes a lot of companies make.
8	benchmark every calendar year by 40 percent or	8	MR. DiFUSCO: You mentioned, you know,
9	more. That's a big number when you contrast	9	how you did last month when the market turned
10	that to the five-year dividend growers, that	10	down. Maybe it was fortuitous that the products
11	drops to only 6. By simply avoiding that group	11	started, you know, when it did in September of
12	of names, we can remove a lot of the volatility.	12	'09 after. Have you done any back-testing to
13	Then you flip over to the far right	13	see how
14	side, in terms of the that is the opposite by	14	MR. GIOVANNIELLO: Yes.
15	outperforming by 40 points or more. Shows you,	15	MR. DiFUSCO: you would have
16 17	we may miss a couple of home runs by being in	16	performed in '07, '08, early '09? And what did
17	this universe, but not as many as you might	17	that show?
18	think. We will gladly take that trade off. We	18	MR. GIOVANNIELLO: Even to push back a
19	actually did an analysis even yesterday.	19	little bit, like, when we lunched the strategy,
20	In calendar 2017, there were 137 small	20	that was probably the hardest time to launch the
21	cap non-dividend 175, that underperformed by	21 22	strategy from the availability of dividend
22 23	at least 40 points or more. Forty percentage	23	growers and small cap and one side, which was
23 24	points. MR. GIOVANNIELLO: Because of what we	24	still enough to launch and begin a strategy. It
24	MR. GIOVANNIELLO: Because of what we	24	was also in the middle of big beta rally. Our
	Page 31		Page 33
1	did, our history on Slide 11 shows you that year	1	relative performance was a headwind, and has
2	to year our presence of blowups in the	2	been a headwind since we launched. Still beaten
3	portfolio, you can't miss everyone, is very	3	by about 300 basis points a year. We are proud
4	small relative to the benchmark. And that is	4	of that even though it's been a double digit
5	where we get a lot of our added value. There is	5	return in market.
6	a reason, though. It's not just that these	6	During the 2008 period, you would expect
7	companies raise their dividend, they avoid	7	that the dividend growth universe as well as our
8	blowups. We think companies that have a	8	model would have significant downside
9	rational recent allocation of their cash flow	9	protection. So, we would see we actually
10	between investing in the business instead of	10	have numbers on those studies. But pretty
		1 11	
11	and paying some back to shareholders are more	11	dramatic. We actually had outperformance. We
11 12	cautious with shareholder capital.	12	had large cap strategy was live. And it did
11 12 13	cautious with shareholder capital. So, a lot of companies, particularly at	12 13	had large cap strategy was live. And it did beat by 10 percentage points in a down 38
11 12 13 14	cautious with shareholder capital. So, a lot of companies, particularly at this point in the cycle, are being very	12 13 14	had large cap strategy was live. And it did beat by 10 percentage points in a down 38 market. I will tell you that the small cap,
11 12 13 14 15	cautious with shareholder capital. So, a lot of companies, particularly at this point in the cycle, are being very aggressive with acquisitions, paying very high	12 13 14 15	had large cap strategy was live. And it did beat by 10 percentage points in a down 38 market. I will tell you that the small cap, because they are so far fewer dividend growers
11 12 13 14 15	cautious with shareholder capital. So, a lot of companies, particularly at this point in the cycle, are being very aggressive with acquisitions, paying very high prices and premiums for acquisitions, leveraging	12 13 14 15 16	had large cap strategy was live. And it did beat by 10 percentage points in a down 38 market. I will tell you that the small cap, because they are so far fewer dividend growers in that bench, the outperformance was even
11 12 13 14 15 16	cautious with shareholder capital. So, a lot of companies, particularly at this point in the cycle, are being very aggressive with acquisitions, paying very high prices and premiums for acquisitions, leveraging up their balance sheet to do so, maybe building	12 13 14 15 16 17	had large cap strategy was live. And it did beat by 10 percentage points in a down 38 market. I will tell you that the small cap, because they are so far fewer dividend growers in that bench, the outperformance was even better down market cap.
11 12 13 14 15 16 17	cautious with shareholder capital. So, a lot of companies, particularly at this point in the cycle, are being very aggressive with acquisitions, paying very high prices and premiums for acquisitions, leveraging up their balance sheet to do so, maybe building capacity right at the top of the macro cycle.	12 13 14 15 16 17 18	had large cap strategy was live. And it did beat by 10 percentage points in a down 38 market. I will tell you that the small cap, because they are so far fewer dividend growers in that bench, the outperformance was even better down market cap. MR. DiFUSCO: Thank you.
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11 12 13 14 15 16 17 18 19 20 21 22	cautious with shareholder capital. So, a lot of companies, particularly at this point in the cycle, are being very aggressive with acquisitions, paying very high prices and premiums for acquisitions, leveraging up their balance sheet to do so, maybe building capacity right at the top of the macro cycle. Companies that are required by the board, by the shareholders to raise that dividend every year need to make decisions in the mindset of, hey, will this be cash flow, free cash flow per share	12 13 14 15 16 17 18 19 20 21 22	had large cap strategy was live. And it did beat by 10 percentage points in a down 38 market. I will tell you that the small cap, because they are so far fewer dividend growers in that bench, the outperformance was even better down market cap. MR. DiFUSCO: Thank you. MR. GIOVANNIELLO: We even have an example in here of another period. MR. BARRETT: We do. Page 31 shows the most substantial period of a down draft since

9 (Pages 30 to 33)

	Page 34		Page 36
1	because it was spread over two different	1	investment in the business to drive future
2	calendar years. You will see from July '14 to	2	dividend growth.
3	February 2016 period, the Russell 2000 was down	3	To Chuck's point, how we pick stocks, we
4	25 percent. We were down half as much. So,	4	talked a lot about the universe and place it
5	there have been instances while the market is	5	puts us to win and beat the market. But we also
6	essentially gone straight up since 2009, there	6	have on top of that a great team, a lot of now
7	have been brief windows of pull backs. This one	7	over ten years since 2005, the firm running
8	that we talked about as well as October where	8	quantitative models and really significant
9	the strategy has demonstrated significant	9	research that's been done and invested to figure
10	downside protection characteristics.	10	out which company's of the universe are most
11	MR. GIOVANNIELLO: We have talked a lot	11	likely to raise their dividend to outperform and
12	about defense. I'd like to make the point on	12	which ones are most likely to cut dividend.
13	Slide 12/13, where we are actually looking for	13	Most important for us are criteria such
14	growth companies. Actually, helps us keep up	14	as dividend coverage that cushion between cash
15	more than would expect in conservative defensive	15	flow and earnings relative to the dividend being
16	strategy in the up markets. Most people,	16	paid. As the company raises its dividend ratio
17	investors believe that a company that is small	17	and the payout ratio is up too high, that
18	that is paying dividend is waving the white	18	signals less cushion for downturn in earnings or
19	flag. We don't have any good investment	19	cash flow. So that in the next when that
20	opportunities. We are paying out on dividend.	20	problem hits, we might have to cut. That is, of
21	There are certainly some of those	21	course, very tough for a stock.
22	companies that are high yield, low growth,	22	We are focused in on profitability of
23	interest rate sensitive even companies. We are	23	the companies, the return on investment they
24	not that. We are not a dividend yield strategy.	24	generate. If you jump to Slide 18, it gives you
			generates in your jump to shad its, it gives you
	Page 35		Page 37
1	We are looking for companies that pay a modest	1	a little more of the nature of our quantitative
2	dividend, retain most of their cash flow and		
	dividend, retain most of their easi now and	2	process. We show seven different categories of
3	earnings to reinvest for growth. So, we are	2 3	
3 4			process. We show seven different categories of
	earnings to reinvest for growth. So, we are	3	process. We show seven different categories of what drives, we think, the best dividend growth
4	earnings to reinvest for growth. So, we are looking for the subset of our universe of	3 4	process. We show seven different categories of what drives, we think, the best dividend growth in the future. It's companies that have high
4 5	earnings to reinvest for growth. So, we are looking for the subset of our universe of dividend growers that have great growth	3 4 5	process. We show seven different categories of what drives, we think, the best dividend growth in the future. It's companies that have high profitability. They have very healthy balance
4 5 6	earnings to reinvest for growth. So, we are looking for the subset of our universe of dividend growers that have great growth opportunities in front of them. That they are	3 4 5 6	process. We show seven different categories of what drives, we think, the best dividend growth in the future. It's companies that have high profitability. They have very healthy balance sheets, very little debt. Companies that
4 5 6 7	earnings to reinvest for growth. So, we are looking for the subset of our universe of dividend growers that have great growth opportunities in front of them. That they are not just, you know, low GDP type growers, but	3 4 5 6 7	process. We show seven different categories of what drives, we think, the best dividend growth in the future. It's companies that have high profitability. They have very healthy balance sheets, very little debt. Companies that convert earnings into cash, they have high quality earnings. You need to have that cash
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10 (Pages 34 to 37)

	D 20		D = 40
	Page 38		Page 40
1	here are the top ranked names in healthcare, how	1	acquisitions, not huge ones to drive double
2	do we select one which ones in the top rank	2	digit sales growth and even better, 15 or so
3	names? We look for an understanding of how the	3	percent dividend growth. It's a competitively
4	company is producing their cash flow. What is	4	advantage company, strong cash flows, very
5	their competitive mode on businesses? Is it	5	little macro risk. It's really in our sweet
6	likely to continue in the future? What is the	6	spot. So if we can have a portfolio of 50 or so
7	growth potential of that industry? And is	7	companies with a bar chart like on twenty-three
8	management appropriately attacking that growth	8	with dividends moving higher, we think the stock
9	opportunity by investing in the business?	9	prices will follow ultimately.
10	A lot of our names might invest	10	Just quick on the sell discipline. We
11	80/90 percent of their cash back in the business	11	think selling as we are when we buy, a name that
12	for growth have a modest dividend in 1 to 2	12	doesn't raise its dividend in any year is out,
13	percent and really drive that next three to five	13	no questions asked. We need to raise that
14	years of dividend growth when we hope the stock	14	dividend. In fact, we track every dividend
15	price would be a wise investment in new or	15	announcement. In fact, we think one of our
16	higher return projects. A lot of industries	16	advantages is to focus in on dividend
17	aren't conducive to growth. You don't want them	17	information. Others can get it, but they don't
18	to invest that much. They should be paying out	18	pay attention.
19	more cash as a dividend or buybacks, returning	19	The growth companies we own, others own
20	to shareholders. But those are less likely to	20	it because they're high quality. And that's
21	be names we are interested in. We are looking	21	growth prospects. We own them when they raise
22	for names with great growth opportunities.	22	that dividend. And when others don't pay
23	Ultimately, as a team, the analysts team	23	attention to it, we have an edge in making our
24	needs to forecast, what will dividend growth be	24	decisions. We also look for deterioration in
	Page 39		
	Page 39		Page 41
1	in the future. We think we have a 15 percent	1	Page 41 the model, pay out ratios that are stretched,
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	in the future. We think we have a 15 percent	I	the model, pay out ratios that are stretched,
2	in the future. We think we have a 15 percent approximately growth forecast going forward over	2	the model, pay out ratios that are stretched, cash flow that isn't covering the dividend and
2	in the future. We think we have a 15 percent approximately growth forecast going forward over the next three to five years. That could lead to a doubling of the dividend, cash flow stream	2 3	the model, pay out ratios that are stretched, cash flow that isn't covering the dividend and rate signals that have problems coming around
2 3 4	in the future. We think we have a 15 percent approximately growth forecast going forward over the next three to five years. That could lead to a doubling of the dividend, cash flow stream in the portfolio over above four to five years	2 3 4	the model, pay out ratios that are stretched, cash flow that isn't covering the dividend and rate signals that have problems coming around the corner. And that focus makes us better in our sell decisions.
2 3 4 5	in the future. We think we have a 15 percent approximately growth forecast going forward over the next three to five years. That could lead to a doubling of the dividend, cash flow stream in the portfolio over above four to five years and, hopefully, a doubling of stock prices if we	2 3 4 5	the model, pay out ratios that are stretched, cash flow that isn't covering the dividend and rate signals that have problems coming around the corner. And that focus makes us better in our sell decisions. MR. BARRETT: I guess maybe just in
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	in the future. We think we have a 15 percent approximately growth forecast going forward over the next three to five years. That could lead to a doubling of the dividend, cash flow stream in the portfolio over above four to five years and, hopefully, a doubling of stock prices if we don't make valuation mistakes. We care about what we pay. We think we would like to pay reasonable price for the growth in the quality of the companies that we are investing in. And if we do our job right there, we will get that solution of high dividend growth. But also while we go, about a 2 percent dividend yield to augment our returns. Maybe an example makes sense. U.S. Physical Therapy is the healthcare guide. It's	2 3 4 5 6 7 8 9 10 11 12 13 14	the model, pay out ratios that are stretched, cash flow that isn't covering the dividend and rate signals that have problems coming around the corner. And that focus makes us better in our sell decisions. MR. BARRETT: I guess maybe just in wrapping things up here, I guess a couple points worth mentioning. On page 30, you can look at the year-by-year returns of the strategy. I think we did a pretty good job of pointing out how the strategy can certainly protect on the downside and provide some downside protection. You saw that play out in 2015 where the bench was down four, we were up five. Year like 2011 where the bench was down four, we were up one. But Marc spoke to it. I think it's important to
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11 (Pages 38 to 41)

	Page 42		Page 44
1	enable us to generate strong returns, be	1	peak? Where is that?
2	entrusted with the meaningful pulls of capital	2	MR. BARRETT: We are at peak.
3	that we have. And we would think that that type	3	MR. GIOVANNIELLO: Good trajectory.
4	of predictability would make your life easier.	4	Consistent strategies. Back in '09, we had a
5	Another thing that we wanted to highlight also	5	hundred million. Chuck and I really started
6	is up front on page 14, we didn't speak to it.	6	growing the firm, 2012 we had a billion. I
7	But obviously, as rates have increased a little	7	think we put it on the chart in 2012, we had
8	bit here as of late, who knows what they will do	8	pretty consistent growth since then.
9	in the future, but it certainly is a topic of	9	MR. AMMATURO: How about the break in
10	conversation. I am sure in rooms like this, as	10	between? The institutional, how does that vary
11	well as many others are having, what happens in	11	over the years?
12	a rising rate environment.	12	MR. BARRETT: It's our business is
13	If you look historically, and that's all	13	almost exclusively institutional. We have high
14	we can look at, historically, small cap dividend	14	net worth. We have a mutual fund complex, our
15	growth companies have actually been the best	15	own. There is roughly 300 million in that.
16	performing group of small cap stocks during	16	It's relative small percentage of our assets.
17	periods of rising rates. So, these types of	17	MR. AMMATURO: Thanks.
18	companies we spoke to, they are not high	18	MR. DiFUSCO: Thank you.
19	yielding dividend payers or they are not high	19	(Copeland Capital Management presentation ends.)
20	yielding payers clipping that coupon. They are	20	
21	modest yields, high dividend growth throughout	21	(Macquarie Firm Reps brought in.)
22	most of the return from that stock price	22	MR. CORKRAN: Thank you for having us
23	depreciation, that rate of dividend growth	23	here today. It's real pleasure to have this
24	pulling the stock price higher. These names	24	opportunity to present our capabilities with
	Page 43		Page 45
1	don't get traded out at rising rates. People	1	small cap core. I am going to I will start
2	don't pull them for the yield. They also tend	2	off with some brief introductions. And then I'm
3	to have a very healthy balance sheets. They are	3	going to hand the discussion over to our
4	not constrained by higher borrowing costs during	4	portfolio manager Frank Morris to really give
5	the period of higher rates. We wanted to point	5	you the sense for how we are doing in small
6	that out.	6	core.
7	MR. GIOVANNIELLO: Just in summary, I	7	My name is Skip Corkran. I'm a senior
8	think we would like to point out that in hiring	8	member of the relationship management team at
9	an active manager, I know everybody is looking	9	Macquarie. Been at the firm for six years. And
10	for a reason to believe they will drive some	10	I came to Delaware from BlackRock, where I spent
11	significant value over a passive benchmark. We	11	ten years as a member of their global client
12	think we found a solution to hone in on the	12	group. I've been in the industry for about 26
13	highest quality companies, exclude those that	13	years, and escaped most of the gray that goes
14	are more volatile, more risky, have a lower rate	14	along with that number until I grew a beard, and
15	of success and derive some consistent outflow	15	then it all came out. I'm probably going to
16	over time.	16	shave this off soon.
17	Hope you guys can see that, as well.	17	On my far right is Shawn Lytle. Shawn
18	We'd love to work with you. Thanks.	18	is the Deputy Global head of Macquarie
19	Are there any questions that we can hit	19	Investment Management. He is our leader. He's
	on?	20	based here in Philadelphia as a member of
20		. 01	Macquarie Group's Management Committee and also
20 21	MR. DiFUSCO: You answered mine.	21	
20 21 22	MR. AMMATURO: You mentioned 3 billion	22	President of the Delaware Fund. Shawn came to
20 21			

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	Page 46		Page 48
1	to coming to us, he spent thirteen years at UBS	1	you to take advantage of the entirety of the
2	where he ran all of UBS' investment management	2	firm's capabilities. So, we have teams of
3	business in the Americas. He's a very	3	experts and infrastructure and fixed income,
4	accomplished investment management executive,	4	real estate. And we encourage our clients,
5	and we are very pleased to have him here. He's	5	whoever whatever product they are actually
6	also a member of the National Association of	6	using, to take advantage of us and help us help
7	Securities Professionals, and is just coming off	7	you in any way we can. And so, the culture of
8	his year as chair of that organization. And	8	access is real important.
9	also, member of the Sustainable Accounting	9	With that, Shawn, I am going to hand it
10	Standards Board.	10	over to you to give a few comments on the firm.
11	Shawn is here because this mandate is	11	MR. LYTLE: Yeah. Have you go to
12	important to us and because we feel very	12	Section One behind that pretty black tab. One,
13	strongly about the city in which we have our	13	the firm overview and on page 6.
14	home headquarters. So, we wanted to make sure	14	Just following on from Skip's last
15	that you know that senior eyes are going to be	15	comment. I mean, this is an important mandate
16	on this mandate if we are, in fact, selected.	16	for us because this is our home city. And we
17	Next up is Frank Morris on my right.	17	take a lot of pride in the fact that we are
18	Frank is the Chief Investment Officer for Core	18	based in Philadelphia and have always been based
19	Equity. He is the leader of the team that would	19	in Philadelphia.
20	manage your portfolio, and is also the portfolio	20	We have been here since 1929. Delaware
21	manager who is ultimately responsible for the	21	Funds, previously Delaware Investments, was
22	performance of this small-cap core product. So,	22	named after the Delaware River. And we made a
23	the buck stops with Frank.	23	firm commitment after Macquarie Investment
24	And he joined Macquarie in 1997, and has	24	Management purchased the firm almost ten years
	Page 47		Page 49
1	35 years of experience in the industry. So,	1	ago now that we were going to stay in
2	Frank has seen every type of market you can	2	Philadelphia.
3	imagine including the Crash of '87, the tech	3	So currently, what we did when I came in
4	bubble inflating and bursting in the '90s, and	4	was to name this as our global headquarters for
5	then also the financial crisis in '08. So,	5	the overall organization here in Philadelphia,
6	Frank is the guy you want to have around when	6	and we have continued to expand our staff. We
7	things are getting dicey in the marketplace.	7	have moved from a little under 500 staff up to
8	My hope is that you come away from this	8	550 over the last three years, and continue to
9	presentation with three key takeaways. One is	9	plan to invest in our home office and our home
10	that Frank and his team are highly experienced.	10	team here in Philadelphia.
11	The team averages over 29 years of investment	11	A key part of that is the equity team
12	experience in the industry. And that's	12	and equity resources we have here. We trade all
13	meaningful value add.	13	of our equities not only for the U.S. but
14	Secondly, the disciplined approach that	14	globally out of Philadelphia. Have a large
15	that team employs produces very consistent	15	trading desk here as well as have a number of
16	performance results. They are not just inclined	16	different equity boutiques. Frank, being the
17	to perform well in one type of market	17	leader of one of our best boutiques that we
18	environment. They produced consistent results	18	have, equity boutiques we have based here in
19	in all types of market environments, both good	19	Philadelphia. But we have a number of other
20	and bad.	20	teams. And that point about delivering a high
21	And then finally, there is a culture of	21	touch client service and customer portfolio is
	access in Macquarie that really sets us apart.	22	important.
22			
	If you become a client of ours and you manage a small-cap core portfolio for you, we encourage	23 24	Page 7 and 8, I'll just touch on these briefly. You know, page 7 is the commercial,

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	Page 50		Page 52
1	what you see from every asset management, our	1	are taking with mandate because we really do
2	commercial is this. We are a top 50 global	2	manage our capacity. We want to make sure we
3	asset manager. And we are top 50 global asset	3	are managing our performance for our existing
4	manager that's actually based in Philadelphia.	4	clients. It's very important to us. We have
5	We also very proud of the fact we have	5	done that in a number of areas.
6	the 43rd largest mutual fund family in the	6	Key point there is, you will be
7	United States. Actually this year, we are	7	important part of our client base. And
8	actually ranked number 23 in term of flows in	8	particularly given you are here in Philadelphia,
9	term of mutual funds. There aren't many winners	9	we are big enough to compete with the big
10	in mutual fund industry. There aren't many	10	players. We are not so big that we lose track
11	winners in active management funds in the mutual	11	of our clients and really focus on what's
12	fund industry. Frank's fund, actually, has been	12	important which is performance.
13	one of the number one flow funds in this	13	And on the last page here on page 8, and
14	category in the United States. And overall, our	14	I am very passionate about this, is our
15	fund family is growing and off the back of very	15	commitment to Philly. You know, I moved here
16	strong performance, particularly in our equity	16	from Boston sorry about that but moved
17	strategies.	17	here a couple of years ago after a long stint
18	So, we are very proud of that fact. And	18	overseas. And I really made this my home. One
19	proud that, you know, we can say there is	19	of the key things we wanted to ensure is that we
20	another big fund family here in town rather than	20	are making a big impact on the community. And
21	Vanguard way out in Valley Forge. Other point	21	from our standpoint, Delaware Investments was a
22	is that we are the world's largest	22	firm that's been here since 1929 when we didn't
23	infrastructure manager. That gets the point, if	23	really connect with the community and give back
24	you go to page number eight, we are running	24	to the community in a way that I thought we
	D 51	1	
	Page 51		Page 53
1	currently almost \$140 billion in infrastructure.	1	Page 53 needed to.
1 2	currently almost \$140 billion in infrastructure. We are the experts in infrastructure. We	2	needed to. As you see, in terms of investing in our
	currently almost \$140 billion in infrastructure.		needed to.
2	currently almost \$140 billion in infrastructure. We are the experts in infrastructure. We basically created the asset class. We just finished and reopened the	2 3 4	needed to. As you see, in terms of investing in our community, we really stepped it up in terms of our engagement with charities here. We are the
2 3	currently almost \$140 billion in infrastructure. We are the experts in infrastructure. We basically created the asset class. We just finished and reopened the Goethals Bridge in between here and New York.	2 3 4 5	needed to. As you see, in terms of investing in our community, we really stepped it up in terms of our engagement with charities here. We are the number one sponsor for the Police Athletic
2 3 4 5 6	currently almost \$140 billion in infrastructure. We are the experts in infrastructure. We basically created the asset class. We just finished and reopened the Goethals Bridge in between here and New York. We actually oversaw the construction and	2 3 4 5 6	needed to. As you see, in terms of investing in our community, we really stepped it up in terms of our engagement with charities here. We are the number one sponsor for the Police Athletic League, PAL. Also number one sponsor for Girls
2 3 4 5 6 7	currently almost \$140 billion in infrastructure. We are the experts in infrastructure. We basically created the asset class. We just finished and reopened the Goethals Bridge in between here and New York. We actually oversaw the construction and development of that, and running that for the	2 3 4 5 6 7	needed to. As you see, in terms of investing in our community, we really stepped it up in terms of our engagement with charities here. We are the number one sponsor for the Police Athletic League, PAL. Also number one sponsor for Girls Inc. Now we just raised \$140,000 for them
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14 (Pages 50 to 53)

	Page 54		Page 56
1	faculty just announced we are moving our	1	over time. We have gotten to it before. It was
2	corporate headquarters, staying in the City of	2	found out. We go to it before it was resurged.
3	Philadelphia. We have been at 21st and Market	3	We invested in it at the beginning of its
4	since 1987. We are moving to 6th and Market.	4	product cycle. And we grow with it over time
5	We are going to be right on Independence Plaza.	5	until it becomes a large-cap company.
6	We are taking over the Dow Building. We are	6	We are fortunate the small-cap space has
7	making that our global headquarters. The	7	a tremendous amount of inefficiencies in it.
8	Macquarie name will be on the top of the	8	And then the question just becomes how one
9	building. And we are going to continue to	9	exploits the inefficiencies. For us, how we
10	expand here in Philadelphia. We think it's a	10	exploit the inefficiencies is through the
11	great place for talent, and particularly for	11	combination of fundamental research conducted by
12	young talent, that we are bringing into the	12	the five-member team I will introduce you to in
13	organization.	13	a moment along with quantitative techniques on
14	And then finally, from a diversity	14	the front end, which help us screen the universe
15	inclusion perspective, we are doing a number of	15	down to an acceptable number of names to be able
16	things in addition to the charitable work. We	16	to analyze. And on the back end, to get a feel
17	have been a prime sponsor now for the women's PA	17	for and understand the risk that's inherent in
18	Conference. We have 60 employees attend that	18	the portfolio. So, we want to make sure that
19	conference just a few weeks ago. We also got	19	the there are no unintended consequences from
20	very involved in the Chamber of Commerce and	20	the risk point of view within our portfolio.
21	also sponsoring diversity and inclusion events	21	You know, the benefits for those that
22	for the Chamber of Commerce. And John Fry, who	22	are invested with us are listed in bottom of the
23	is actually on our mutual fund board. He is on	23	page. We are very disciplined in how we manage
24	the Delaware mutual fund board, he and I been	24	our client's capital. That's enabled us to
	Page 55		Page 57
1	partnering on a number of other initiatives to	1	generate good returns. Skip has pointed out, we
2	make sure we are fully engaging with the Chamber	2	go up and down markets. We have had a very
3	of Commerce and with the city.	3	stable team of applying consistent process over
4	Key point is, this is our home. We know	4	the number of years. We are very consistent in
5	this is your home. We want to make sure we do a	5	terms of our positioning within the small-cap
6	great job for the City of Philadelphia, for	6	core space. And finally, the hallmark of what
7	Philadelphia Gas Works. And we will treat this	7	we do is to generate a very high risk adjustment
8	mandate with a lot of the care if we are chosen.	8	return.
9	MR. MORRIS: Thank you, Shawn. I will	9	Now, those are nice statements for me to
10	take over from there.	10	nut on the bottom of the nage. Let me prove
			put on the bottom of the page. Let me prove
11	Pleasure to be here. Thank you for	11	them up for you on the next several pages.
12	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit	12	them up for you on the next several pages. If you turn to page 12, this is a style
12 13	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our	12 13	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where
12 13 14	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about	12 13 14	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years.
12 13 14 15	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been.	12 13 14 15	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over
12 13 14 15 16	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You	12 13 14 15 16	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio
12 13 14 15 16 17	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You know, our philosophy like that, the entire firm	12 13 14 15 16 17	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio is, you can draw a nice circle around us and the
12 13 14 15 16 17	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You know, our philosophy like that, the entire firm is that we believe in active management. And	12 13 14 15 16 17 18	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio is, you can draw a nice circle around us and the Russell 2000, and we will always be within that
12 13 14 15 16 17 18	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You know, our philosophy like that, the entire firm is that we believe in active management. And you know, we believe the markets are inherently	12 13 14 15 16 17 18 19	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio is, you can draw a nice circle around us and the Russell 2000, and we will always be within that circle. Sometimes a little bit on the value
12 13 14 15 16 17 18 19 20	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You know, our philosophy like that, the entire firm is that we believe in active management. And you know, we believe the markets are inherently inefficient. And that we find no greater	12 13 14 15 16 17 18 19 20	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio is, you can draw a nice circle around us and the Russell 2000, and we will always be within that circle. Sometimes a little bit on the value side, sometimes on the growth side depending on
12 13 14 15 16 17 18 19 20 21	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You know, our philosophy like that, the entire firm is that we believe in active management. And you know, we believe the markets are inherently inefficient. And that we find no greater inefficiency than those that exist in small-cap	12 13 14 15 16 17 18 19 20 21	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio is, you can draw a nice circle around us and the Russell 2000, and we will always be within that circle. Sometimes a little bit on the value side, sometimes on the growth side depending on where our research is taking us, but never far
12 13 14 15 16 17 18 19 20 21 22	Pleasure to be here. Thank you for inviting us. I am going to talk a little bit about the small-cap core product philosophy, our process, our people and close a little bit about how our performance has been. I'm on page 11 behind tab two. You know, our philosophy like that, the entire firm is that we believe in active management. And you know, we believe the markets are inherently inefficient. And that we find no greater inefficiency than those that exist in small-cap space. And I always say, if we are doing our	12 13 14 15 16 17 18 19 20 21 22	them up for you on the next several pages. If you turn to page 12, this is a style consistency chart, you know. And it shows where we've been positioned slightly over 18 years. We've been managing this portfolio slightly over 18 years. What I always say about our portfolio is, you can draw a nice circle around us and the Russell 2000, and we will always be within that circle. Sometimes a little bit on the value side, sometimes on the growth side depending on where our research is taking us, but never far enough to be something not supposed to be.
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15 (Pages 54 to 57)

	Page 58		Page 60
1	involved. We recognize that when you hire us to	1	incentive compensation is deferred. And is
2	be a small-cap cor manager, that's what you	2	deferred into our own portfolio. We are firm
3	expect us to be. You can have a high comfort	3	believers in eating our own cooking. I don't
4	level, we will always be in that small-cap core	4	ask anybody on the team how they invested time
5	space.	5	and money. But it's safe to say they told me,
6	The team is on the bottom of the page.	6	we are all invested in all three trenches here.
7	The page is on 13. First thing I always say, I	7	So, a significant portion of our net worth is
8	apologize for using my high school picture in	8	invested in the success of this strategy. We
9	there. And I also then say right after that,	9	want it to be most closely aligned with those
10	that Mike Morris is not related to Frank Morris.	10	that are invested with us.
11	So just FYI, there is no nepotism.	11	So, experienced owners and aligned with
12	The three things I can say really about	12	our investors.
13	the team are, a lot of experience. Twenty-nine	13	On page 14 and 15 shows you a little bit
14	years in the business, seventeen with the firm.	14	about our returns and the consistency of our
15	Why is that important? Well, we've all seen	15	returns. And so on page 14, you will see this
16	business cycles. We've all seen more than one	16	is rolling one year quarterlies. And measured
17	business cycle. We've grown up following the	17	this way, we have outperformed 83 percent of the
18	sectors that are listed underneath our names.	18	time. We are very consistent in how we generate
19	And in many cases, our very well known within	19	our returns. That roles up to what you see on
20	those sectors and by those companies. And that	20	the bottom of the page, the classic chart that
21	gets to us see the right people, to ask the	21	you see that we have nice upside capture, really
22	right questions, to ascertain whether a	22	good downside protection for what's been an
23	particular equity is a good investment for our	23	18-plus year close to 11 percent annualized
24	portfolio.	24	return, 260 basis points better than that of the
	Page 59		
	rage 57		Page 61
1	Second thing is, that we are structured.	1	index. This is attribute to the research we
1 2		1 2	
	Second thing is, that we are structured.		index. This is attribute to the research we
2	Second thing is, that we are structured. We are owners of the process. And so Macquarie	2	index. This is attribute to the research we conduct, the construction of the portfolio, and
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2 3 4 5 6	Second thing is, that we are structured. We are owners of the process. And so Macquarie is structured in a multi-group fashion. We run our business and manage our P&L. That's important to you from the standpoint of we control our resources. We travel where we need	2 3 4 5 6	index. This is attribute to the research we conduct, the construction of the portfolio, and the adherence risk within the portfolio that has allowed us to generate these type of returns you see on this page. And then finally, the hallmark of what
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16 (Pages 58 to 61)

	Page 62		Page 64
1	Russell growth and quality. Statistical quality	1	Think of energy right now. The price of
2	on how management has invested capital in the	2	crude is corrected sharply, the equities are
3	business. Think of this upfront screen as	3	corrected sharply. If you have a massively
4	identifying good companies with good business	4	overweight energy, you would have significantly
5	models that are relatively inexpensive. This	5	underperformed and put your client in front of
6	helps us take 2000 stock universe and get it	6	that. It's not to say we won't underperform in
7	down to 750 names for us then to do step two,	7	that sector, which is incumbent upon us to pick
8	fundamental research.	8	the best stocks in that area. But we are not so
9	And on the fundamental research, what	9	overweight that we lose total control of
10	the five of us are doing is we are actively	10	performance of the portfolio.
11	analyzing the company's balance sheet, cash	11	So, we are plus or minus 2 not wanting a
12	flow, earning stream. We are actively seeing	12	huge stock collection. We do the exact same
13	the company's to important part of what we do is	13	thing on factor analysis to make sure that you
14	to see the companies that we are invested in.	14	get a broad distribution of small-cap
15	And to that end, I always say by virtue of the	15	investment. This is end-to-end small-cap
16	firm's asset size, 250 billion we get a seat at	16	investment. Lowest market caps in Russell 2000,
17	the table. By virtue of our experience level,	17	highest market caps. Lowest beta, highest beta.
18	we have a seat at the table. By virtue of	18	That's important from and the standpoint of, you
19	managing our business, we get a seat at the	19	know, market rapidly rotates. You will have
20	table.	20	positions within each one of those particular
21	And those meetings are important. They	21	segments of the market. My worst client meeting
22	are important to the management because they get	22	is always to come in and say my worst client
23	to tell their stories to us. We are asking them	23	to come in and say, hey, we were naked one
24	about, tell us your business stream. Let's talk	24	segment. That would have meant we didn't do our
	Page 63		Page 65
1	about what you see for the future of your	1	risk adherence right. And so, we benefit from
2	business and your sector. Let's talk about your	2	being broadly diversified.
3	corporate governance structure. And let's make	3	Finally, how do we sell stocks? We sell
4	sure that we are in alignment as to how you are	4	stocks like everybody else. We had success. We
5	managing your business, so that's the best	5	pat ourselves on the back. We do a little
6	possible investment for you and our portfolio.	6	dance. We can't raise the price target, time to
7	And then finally, we are all about asking	7	move on. I also give the team extremely high
8	ourselves what is the catalyst that we value	8	marks when we sell a name, when the thesis
9	shares of higher fundamentally. We are	9	breaks down. You are never right a hundred
10	fortunate again. Small-cap investing, no short	10	percent of the time. If we are right a hundred
11	catalyst.	11	percent of the time, we would own a island and
12	One and two for us are about research.	12	we'd retire. You can save your clients a lot of
13	Three is about portfolio construction. On the	13	underperformance by exiting when the thesis is
14	portfolio construction side, we are all about is	14	different, when it's changed.
15	allowing our stock selection to drop to the	15	We are always fully invested. Cash is
	bottom line. What I always say is, we are not	16	less than 5 percent at all times. It's a better
16		l	
17	wild, crazy, sexy, overweight, underweight with	17	opportunities portfolio. And finally, we are
17 18	wild, crazy, sexy, overweight, underweight with respect to sectors. In fact, we are plus or	18	opportunities portfolio. And finally, we are true small-cap portfolio. What I mean by that
17 18 19	wild, crazy, sexy, overweight, underweight with respect to sectors. In fact, we are plus or minus 2 percent around sectors. What we have	18 19	opportunities portfolio. And finally, we are true small-cap portfolio. What I mean by that is, if a name grows up and graduates to become a
17 18 19 20	wild, crazy, sexy, overweight, underweight with respect to sectors. In fact, we are plus or minus 2 percent around sectors. What we have been able to demonstrate over time is that you	18 19 20	opportunities portfolio. And finally, we are true small-cap portfolio. What I mean by that is, if a name grows up and graduates to become a large cap name, we will exit that name out of
17 18 19 20 21	wild, crazy, sexy, overweight, underweight with respect to sectors. In fact, we are plus or minus 2 percent around sectors. What we have been able to demonstrate over time is that you can generate nice alpha for your clients by just	18 19 20 21	opportunities portfolio. And finally, we are true small-cap portfolio. What I mean by that is, if a name grows up and graduates to become a large cap name, we will exit that name out of the portfolio and start the process all over
17 18 19 20 21 22	wild, crazy, sexy, overweight, underweight with respect to sectors. In fact, we are plus or minus 2 percent around sectors. What we have been able to demonstrate over time is that you can generate nice alpha for your clients by just picking good stocks. And what we do not want to	18 19 20 21 22	opportunities portfolio. And finally, we are true small-cap portfolio. What I mean by that is, if a name grows up and graduates to become a large cap name, we will exit that name out of the portfolio and start the process all over again. What I always say is, you won't see
17 18 19 20 21	wild, crazy, sexy, overweight, underweight with respect to sectors. In fact, we are plus or minus 2 percent around sectors. What we have been able to demonstrate over time is that you can generate nice alpha for your clients by just	18 19 20 21	opportunities portfolio. And finally, we are true small-cap portfolio. What I mean by that is, if a name grows up and graduates to become a large cap name, we will exit that name out of the portfolio and start the process all over

17 (Pages 62 to 65)

	Page 66		Page 68
1		1	
1	companies who maintain our small-cap stripes.	1	committed to the city. And we want to give you
2	This is true small-cap, true broad-based,	2	access to all of our resources and not just
3	small-cap investment.	3	small-cap core. Thanks again.
4	That's a 30,000 foot overview. The	4	MR. MORRIS: First and foremost,
5	proof is always in the pudding. If I can take	5	small-cap core.
6	you back to page 18 you'll see the performance	6	MR. DiFUSCO: I have questions.
7	numbers. And what you will see in the	7	Rasheia had mentioned you guys are
8	performance numbers, which I always say, blue	8	you folks are doing some business with her
9	bars are higher than the gray bars, and that's	9	office in terms of managing some short-duration
10	good for us and it's good for our clients.	10	assets. Over time, there has been some limited
11	We've been very consistent in that regard in	11	discussion with the Muni plan and you mentioned
12	terms of generating alpha for our clients over a	12	infrastructure earlier. As it relates to your
13	number of years.	13	fee proposal, how open are you treating, you
14	As you can see here, a quick thought	14	know, money whether it's from the Treasurer's
15	about what's transpired here in the most recent	15	Office, whether it's from the City Pension Fund,
16	correction. True to what I told you earlier	16	whether from this fund as not commingling it but
17	about preserving capital on the downside, we	17	in terms of fee rates or free proposal
18	have widened this gap between us and the Russell	18	considering that's all City money? We have had
19	2000. And so the market as corrected, you know,	19	other managers do that back at break points and
20	at the time we were 135 basis points ahead of	20	things faster.
21	the index. We are now 165 basis points ahead of	21	And so, I am wondering if you folks are
22	the index. We have widened the gap by	22	open to those sorts of discussion?
23	preserving capital on the downside.	23	MR. LYTLE: We are still under contract
24	Those returns, as I said, come from	24	terms in the Treasurer's Office, and trying to
	Page 67		Page 69
1	stock selection. And that should be everything	1	determine that. Happy to have an open
2	we talk about, stock selection driving our	2	discussion about how we can think about this as
3	return.	3	a broad kind of City-driven mandate.
4	So, let me stop there and sum up by	4	MR. DiFUSCO: Yeah.
5	saying good philosophy, very strong philosophy,	5	MR. LYTLE: And what that means.
6	really strong people, very transparent process	6	MR. DiFUSCO: Yeah.
7	that's been able to generate really good returns	7	MR. LYTLE: Between the different
8	while taking a lot lower risk. Okay. We are	8	strategies. From my standpoint, we see this as
9	going to stop there and pass it over to Skip.	9	managing having a relationship with the City.
10	But before Skip goes, I want to thank you for	10	We have to figure that out between fixed income
11	your time. And say that, we really would be	11	side versus the equity side. We can do that.
12	an honor for us to manage this portion of your	12	MR. DiFUSCO: Thank you.
13	assets. And so, pleased that you brought us in	13	MR. LYTLE: Sure.
14	to talk to you today.	14	CHAIRMAN SCOTT: Thank you.
15	Skip.	15	MS. JOHNSON: Thank you.
16	MR. CORKRAN: That's the bulk of our	16	(Macquarie presentation ends.)
17	presentation. I just want to close by saying	17	
18	that the three things that make us feel really	18	(Matarin Capital Reps brought in.)
	good about Frank's team are hear on page 19.	19	MR. DiFUSCO: Thank you for coming in.
19	And that is the experience that this team has	20	We appreciate it. You have met everyone. The
19 20	AND THAT IS THE CARCHERICE THAT THIS TEATH HAS		three Commissioners are your primary audience
20		1 / 1	
20 21	under its hood, been consistent results they	21	
20 21 22	under its hood, been consistent results they produce in both up and down markets. And the	22	today along with PFM and myself. If you can
20 21	under its hood, been consistent results they	1	

18 (Pages 66 to 69)

	Page 70		Page 72
1	the process, the strategy, how you can add	1	siloed. There is no one group that is
2	outlook to the portfolio. And we will	2	responsible for the entire client's investment
3	definitely have questions for you along the way.	3	experience. And we felt it important to be able
4	Thank you again for coming in.	4	to manage all those elements of a client's
5	MS. COTTON: I'm Marta Cotton. Good	5	investment experience and make sure that we are
6	morning. Principal at Matarin. I'm Director of	6	not going to be a firm that's focused on its own
7	Client Development. And joining me Nili	7	pocketbook ahead of the interest of pensioners
8	Gilbert, one of our partners who is Matarin	8	who put their trust in a firm. And we really
9	cofounder. Nili is one of Matarin's cofounders	9	wanted Matarin to be different in that fashion.
10	and portfolio managers, as well. And nice to	10	We have some core tenets or principles
11	have a sunny day in Philadelphia. I always	11	at Matarin. We will only offer strategies that
12	enjoy coming back here. My husband was born	12	can deliver a value for clients net of fees. We
13	here. And in fact my mother-in-law, I don't	13	will close stratagems, this is really important,
14	know if I can point the right direction, she was	14	and add levels before transaction costs erode or
15	born and raised 18th between Walnut and	15	turns our client. It's very important to us.
16	Chestnut. And she used to tell me stories about	16	We won't use soft dollars because that tends to
17	roller skating in Rittenhouse Square, I	17	lead clients to pay more.
18	remember. So, it's nice to be here.	18	These elements are driving principles
19	And about Matarin, we are an	19	for us. We are very proud at Matarin that we
20	eight-year-old firm. We have an investment team	20	really believe we have got a firm that we built
21	that's also worked together for a number of	21	over those almost eight years now that have
22	years even before starting Matarin.	22	succeeded in putting its client's interest
23	If you turn to page 2 in the book, looks	23	first.
24	like some of you got there already, you can see	24	If you flip over to page 3, see a little
	Page 71		Page 73
1	a picture of our team. We are a hundred percent	1	bit in a picture about the kind of growth
2	employee-owned firm, a through investment	2	trajectory we have. We started Matarin with our
3	boutique, as well. Five of us are equity	3	own capital. And we seed its strategies with
4	owners. So, ownership is already broad, and we	4	our own money. In fact, this small-cap strategy
5	intend to broaden it further over time. And as	5	was started in January of 2011 with just one and
6	you can see today and in the photo, we are a	6	a half million dollars from the IRA of Valerie
7	diverse firm and we are a certified women-owned		
		7	Malter, our managing principal. And by the way,
8	firm.	8	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the
8 9	firm. We also believe in diversity broadly.	8 9	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we
8 9 10	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also	8 9 10	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin,
8 9 10 11	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And	8 9 10 11	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our
8 9 10 11 12	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity	8 9 10 11 12	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year
8 9 10 11 12 13	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors.	8 9 10 11 12 13	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less
8 9 10 11 12 13	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People	8 9 10 11 12 13 14	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third
8 9 10 11 12 13 14 15	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms,	8 9 10 11 12 13 14 15	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of
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8 9 10 11 12 13 14 15 16 17	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms, you know, to start a firm like Matarin or join a firm like Matarin from scratch. In hindsight,	8 9 10 11 12 13 14 15 16 17	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of
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8 9 10 11 12 13 14 15 16 17 18 19 20	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms, you know, to start a firm like Matarin or join a firm like Matarin from scratch. In hindsight, it was probably a risky thing for so many of us to do. But the fact is that we all really wanted to work at a firm that we could really be	8 9 10 11 12 13 14 15 16 17 18 19 20	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of \$1.6 billion from that standing start of \$1.5 million just from Valerie almost eight years ago. And the strategy we are talking about today, the small-cap strategy has most of those
8 9 10 11 12 13 14 15 16 17 18 19 20 21	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms, you know, to start a firm like Matarin or join a firm like Matarin from scratch. In hindsight, it was probably a risky thing for so many of us to do. But the fact is that we all really wanted to work at a firm that we could really be proud of and get excited to wake up every day	8 9 10 11 12 13 14 15 16 17 18 19 20 21	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of \$1.6 billion from that standing start of \$1.5 million just from Valerie almost eight years ago. And the strategy we are talking about today, the small-cap strategy has most of those assets, 1.3 billion and 24 institutional
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms, you know, to start a firm like Matarin or join a firm like Matarin from scratch. In hindsight, it was probably a risky thing for so many of us to do. But the fact is that we all really wanted to work at a firm that we could really be proud of and get excited to wake up every day and represent and that truly put its clients	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of \$1.6 billion from that standing start of \$1.5 million just from Valerie almost eight years ago. And the strategy we are talking about today, the small-cap strategy has most of those assets, 1.3 billion and 24 institutional investments from clients, client accounts. And
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms, you know, to start a firm like Matarin or join a firm like Matarin from scratch. In hindsight, it was probably a risky thing for so many of us to do. But the fact is that we all really wanted to work at a firm that we could really be proud of and get excited to wake up every day and represent and that truly put its clients interest first above the firm's own interest.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of \$1.6 billion from that standing start of \$1.5 million just from Valerie almost eight years ago. And the strategy we are talking about today, the small-cap strategy has most of those assets, 1.3 billion and 24 institutional investments from clients, client accounts. And our whole firm has about 32 institutional
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	firm. We also believe in diversity broadly. We believe in it in race and in gender, but also diversity in thought, diversity in opinion. And we actually think that all that diversity together is what helps make us good investors. We all came from large firms. People often ask us, why would you leave such firms, you know, to start a firm like Matarin or join a firm like Matarin from scratch. In hindsight, it was probably a risky thing for so many of us to do. But the fact is that we all really wanted to work at a firm that we could really be proud of and get excited to wake up every day and represent and that truly put its clients	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Malter, our managing principal. And by the way, the first time we ever submitted an RFP to the City of Philadelphia, which was back in 2013, we had firm assets of 160 million. At Matarin, every year since inception, we've grown our assets and our clients each year over the year before, and we are proud of that. And in less than eight years, as of the end of this third quarter that just ended, we have firm assets of \$1.6 billion from that standing start of \$1.5 million just from Valerie almost eight years ago. And the strategy we are talking about today, the small-cap strategy has most of those assets, 1.3 billion and 24 institutional investments from clients, client accounts. And

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ı			
	Page 74		Page 76
1	strategy. And if we think about the makeup of	1	top 17 percent of all those 600 small-cap
2	the client base that we have, we are very proud	2	strategies, beating 83 percent of them.
3	we have a number of public plans as clients. In	3	But I'd be remiss if I didn't mention
4	fact, four of the five largest clients in our	4	our most recent performance. You can see it has
5	strategy are large state public plans. And we	5	not been as strong as the full since inception
6	also have a number of city and county plans, as	6	seven and three-quarter year's track record.
7	well. So, we know what it's like to work with	7	And we all know that all managers have periods
8	clients similar to you. We know the kind of	8	of outperformance and periods of
9	environment, the transparency under which you	9	underperformance. And we happen to have
10	operate, the risk you take in hiring managers,	10	experienced the latter more recently since the
11	it's something we are very familiar with.	11	first quarter of last year, but that follows a
12	Our primary goal is to deliver above	12	period of five years where we had really strong
13	benchmark risk adjusted returns. And we don't	13	outperformance. So actually, we think it could
14	want to be the kind of manager you see with	14	be a really interesting and good time to
15	these high highs and these low lows that make	15	potentially invest with Matarin. The
16	the client experience really painful. So, we	16	environments that have given us the headwinds
17	are quite focused on risk controls so we can	17	since last year, these our environments that do
18	deliver the highest possible level of returns	18	tend to revert.
19	while still managing the risk appropriately.	19	And we happen to have some new clients
20	If you flip forward to page 14 and 15,	20	that think so, too. Some investors have
21	share a little bit with you about the kind of	21	recently given us some new mandates, which is
22	performance we have had since inception. And	22	very exciting even following the period of
23	also, the performance relative to the almost 600	23	underperformance. Giving us their vote of
24	strategies in the whole Evestment small-cap	24	confidence. Three new clients just in the last
	Page 75		Page 77
1	universe, which is on the following page. We	_	
	universe, which is on the following page. We	1	few months. One of those is 125 million-dollar
2	are pleased we have done quite well for our	1 2	few months. One of those is 125 million-dollar mandate from LACERA, which is the \$56 billion
2			
	are pleased we have done quite well for our	2	mandate from LACERA, which is the \$56 billion
3	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell	2 3 4 5	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well.
3 4	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell 2000 index by an annualized 2.1 percent. And	2 3 4	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well. I will turn it over to Nili to share
3 4 5 6 7	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell 2000 index by an annualized 2.1 percent. And that strong excess return performance ranks in	2 3 4 5 6 7	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well. I will turn it over to Nili to share with you a little bit more about our team's
3 4 5 6 7 8	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell 2000 index by an annualized 2.1 percent. And that strong excess return performance ranks in the top 22 percent. You can see some of those	2 3 4 5 6 7 8	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well. I will turn it over to Nili to share with you a little bit more about our team's background, how we manage portfolios and to put
3 4 5 6 7 8 9	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell 2000 index by an annualized 2.1 percent. And that strong excess return performance ranks in the top 22 percent. You can see some of those rankings on the bar chart on the next page.	2 3 4 5 6 7 8 9	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well. I will turn it over to Nili to share with you a little bit more about our team's background, how we manage portfolios and to put that performance into context.
3 4 5 6 7 8 9	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell 2000 index by an annualized 2.1 percent. And that strong excess return performance ranks in the top 22 percent. You can see some of those rankings on the bar chart on the next page. That means, we beat 78 percent of other	2 3 4 5 6 7 8 9	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well. I will turn it over to Nili to share with you a little bit more about our team's background, how we manage portfolios and to put that performance into context. MS. GILBERT: Hi, everyone. As Marta
3 4 5 6 7 8 9 10	are pleased we have done quite well for our clients in the time we have been managing the strategy. In the seven and three-quarter years since inception, we outperformed the Russell 2000 index by an annualized 2.1 percent. And that strong excess return performance ranks in the top 22 percent. You can see some of those rankings on the bar chart on the next page. That means, we beat 78 percent of other small-cap managers in delivering excess returns	2 3 4 5 6 7 8 9 10	mandate from LACERA, which is the \$56 billion Los Angeles County Employees Require Association. That was quite gratifying, as well. I will turn it over to Nili to share with you a little bit more about our team's background, how we manage portfolios and to put that performance into context. MS. GILBERT: Hi, everyone. As Marta said, I'm a cofounder and portfolio manager of
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In any case, the origins of a investment process at Matarin at the way back to 1980 at a firm a Capital Management, which was Citi Bank Asset Management. Citibank. Part of why we belied investment philosophy so strong it is actually been adding value for institutional clients like yoursel over almost 40 years now. My cofounder and fellow paranagers Stuart Kaye joined the	actually go all called Chancellor as even before that It's fund out of we in Matarin's gly is because for ves for	1 2 3 4 5 6 7 8 9	fear come into the market, for example, lately or greed, sometimes investors egos come into play or things happen that just cause them to forget to stick to their knitting. When those things start to happen, you can see stock prices move pretty far away from what we would call their long term fair value. And so, what we do is we first start
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7 investment philosophy so strong 8 it's actually been adding value f 9 institutional clients like yoursel 10 over almost 40 years now. 11 My cofounder and fellow p	gly is because for ves for portfolio	8 9	their long term fair value. And so, what we do is we first start
9 institutional clients like yoursel 10 over almost 40 years now. 11 My cofounder and fellow p	ves for portfolio	9	
over almost 40 years now. My cofounder and fellow p	oortfolio	1	with ideas that we have an included 1.0.1
11 My cofounder and fellow p		10	with ideas that we hope are insightful and
			creative about what will drive the stock's fair
12 managers Stuart Kave joined th		11	values over to long run. And then we find ways
	at group in 1994.	12	to quantity those insights so that we can
And he was in the chief investn		13	implement them in the stock market
when he recruited me out of Co	lumbia business	14	systematically. And what being systematic
school in 2003 to join his team,	and recruited	15	means, is that we are able to get our own
our fellow portfolio manager R	alph in 1999.	16	emotions and biases out of the way when we are
Sos, we have been working tog		17	making these investment decisions so that when
strategies similar to these for a		18	the emotional dislocations happen, that we are
19 time. As a matter of fact, our g	roup at	19	able to take the other side of those trades.
20 Chancellor, was ultimately inqu	ired by Investo,	20	In fact, oftentimes we will be making
was managing over \$25 billion		21	investment decisions that other investors might
time that we all spun out to fund		22	find uncomfortable. So, we say we tend to be
was in 2010 when Stuart, our c	ofounder Valerie	23	contrarian in our style of investing at times.
and I started up the firm.		24	We actually believe that it's kind of hard to
	Page 79		Page 81
1 Our experience of working	g for very large	1	get paid in the markets for making the most
2 firms as Marta mentioned over		2	comfortable decisions. If it's something that
3 the feeling that we could do bet		3	is really obvious or, you know, really easy to
4 clients at the end of the day. W		4	do, it's probably already reflected in the
5 portfolio managers. And we we		5	price. Other investors have already made the
6 alpha, the returns that we were		6	comfortable decisions. It's hard to get paid
7 for our clients. But we just felt		7	for them.
8 so much more that matters for y		8	What this has meant for our clients'
9 than just the returns. So, Marta		9	portfolios over time is that we tend to offer a
type of policies that we have pu		10	differentiated pattern of returns, especially at
able to ensure and strengthen th		11	emotional turning points in the markets. I
So with that, let me just m		12	always like it when Marta says that our
discussion of our investment ph		13	performance tends to zig when others zag. That
process which, as I mentioned,		14	is really by design.
several decades of work. I am		15	If you move forward two slides to page
in the book which describes our	r philosophy at a	16	6, here you will see a description of the types
high level.		17	of stocks we like to buy and hold in our
18 Matarin's investment philo		18	portfolio. In a nutshell, we want to be buying
why we believe we can beat the		19	good businesses that are trading at inexpensive
managers at all is essentially the		20	valuations or prices with shareholder friendly
stock markets as being inefficie		21	leadership, that's our people concept. And then
intermediate term. Actually, th		22	finally, we want to see evidence of some
believe creates most of these in		23 24	short-term catalyst for outperformance.
investor's emotions. When you	see unings like	24	On the other hand, if a stock's business

21 (Pages 78 to 81)

the leadership starts making poor business decisions or the short-term catalyst breakdown, that is when we would make a decision to sell a stock out of the portfolio that we have been holding. Since inception, all four of these concepts have added value for our clients' portfolios as we would hope. And another thing that's interesting about the way that we think about this design, is that all four of the concepts don't always do well at the same time. The very good for business, that maybe there is another concept that's less favor. But there is another oncept that's less favor. But there is always something in the portfolio helping to support returns. So for example, in the more recent period 2017 and 2018, until this recent market turn, one thing that we have seen is that very all the think about valuation. Page 83 that focuses on the shorter term drivers of performance has been the strongest performer in the portfolio. But on the other hand, the market has not been focusing on whether stocks are trading at very high prices. So, expensive stock shave also been very well rewarded. And so, our catalyst concept that focuses on the shorter term drivers of performance has been the strongest performer in the portfolio. But on the other hand, the market has not been focusing on whether stocks are trading at very high prices. So, expensive stocks have also been very well rewarded. And so, our catalyst concept that focuses on the shorter term drivers of performance has been the strongest performer in the portfolio. But on the other hand, the market has not been focusing on whether stocks are trading at very high prices. So, expensive stock have also been very well rewarded. And so, our catalyst concept that focuses on the shorter term drivers of performance has been the strongest performer in the portfolio. But on the other hand, the market has not been focusing on whet		Page 82		Page 84
and more expensive as we are holding it, or if the leadership starts making poor business decisions or the short-term catalyst breakdown, that is when we would make a decision to sell a stock out of the portfolio that we have been for holding. Since inception, all four of these Since inception, all four of these Concepts have added value for our clients' portfolios as we would hope. And another thing that's interesting about the way that we think about this design, is that all four of the that's interesting about the way that we think about this design, is that all four of the that's interesting about the way that we think that's interesting about the way that we think about this design, is that all four of the that's interesting about the way that we think that we are hoping if it's an environment that, say, tery good for business, that maybe there is another concept that's less favor. But there is another concept that's less favor. But there is another concept that's less favor. But there is always something in the portfolio helping to support returns. So for example, in the more recent period 2017 and 2018, until this recent market turn, one thing that we have seen is that very high momentum stocks, think of your high flying tech stocks or biotech stocks, have been very well rewarded. And so, our catalyst concept that focuses on the shorter term drivers of performance has been the strongest performer in the portfolio. But on the other hand, the market has not been focusing on whether stocks are trading at very high prices. So, expensive stocks have also been very well rewarded. And so, ohe price concept that focuses on valuation the performance has been the strongest performer in the portfolio. But on the other hand, the market has not been focusing on whether stocks are trading at very high prices. So, expensive stocks have also been need to have the portfolio that is going to sto, when we do that, and the negative price concept that describes the negative price concept that describes the negative price	1	starts to deteriorate or if its price gets more	1	fundamentals matter a lot.
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			I	are actually able to come up with fresh forecast
24 Whereas, for utilities, the current business 24 for every stock, over 1800 small-caps stocks			l	· · · · · · · · · · · · · · · · · · ·
2.2 Thereas, for duffices, the current business 2.4 for every stock, over 1000 stilan-caps stocks	2.1	vincicus, ioi utiliuos, the cultent business		for every stock, over 1000 sman-caps stocks

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	Page 86		Page 88
1	every single day. So once we have got these	1	hopefully, also going forward.
2	return forecasts, our portfolio construction	2	Any questions about the putting it all
3	process wants to combine information about the	3	together piece or anything else that I said
4	expected returns along with information about	4	about the investment process?
5	the risks of the stocks, along with information	5	If not, I will pass it on to Marta to
6	about how much it's going to cost to actually	6	conclude.
7	trade. As Marta mentioned, risk management is a	7	MS. COTTON: Hopefully, we have been
8	very important part of our process.	8	able to share with you a little bit about how
9	Essentially, the way that we think about	9	this process comes together. It's this blend of
10	it is in terms of what we call risk budget.	10	fundamental and quantitative. We think of it as
11	What we want to do when we are taking risk	11	the best of both worlds, actually. It's how do
12	relative to our benchmark, is to spend our risk	12	you take that best fundamental thinking that we
13	budget in the area where we think we have the	13	have, and we just happen to use these rigorous
14	most skill. And for us, that is picking stocks.	14	and systematic tools to express the best and
15	So what that means is that we don't want to	15	fundamental thinking. And our edge is the way
16	spend our risk budget on taking big bets in	16	in which we are able to put those together
17	sectors as compared to the benchmark or big bets	17	successfully.
18	about macroeconomic risks, like, we wouldn't	18	You have heard about the common sense
19	want to have a portfolio that has a lot of	19	risk controls that we have that let's us focus
20	interest rate sensitivity as compared to your	20	on the area that is our greatest area of skill,
21	benchmark or oil price sensitivity. What we	21	which is that stock selection. The process is
22	really want to do is create a process that	22	disciplined. It's repeatable. It's added
23	allows us to focus just on our pure stock	23	significant value for clients. We believe in
24	picking ability alone.	24	putting our clients interests first. We believe
	Page 87		Page 89
1	And then the third part, the transaction	1	in fair and client-friendly fees. And again,
2	cost forecasts are really important especially	2	closing the strategy at an appropriate level
3	in the small-cap space. Believe it or not, we	3	that's in the best interest of our clients,
4	have seen some situations where managers have	4	something we feel extremely strongly about.
5	spent 2 to 3 percent per year on trading costs	5	And we are actually not that far away,
6	alone, and that comes directly out of the	6	as it turns out in terms of small-cap at this
7	returns that you are able to use to pay	7	point in time. So, our incentives are firmly
8	benefits. So, we forecast how much is going to	8	aligned with yours, as well. We believe in, you
9	cost to trade every stock, and won't make a	9	know, eating our own cooking. And if you put
10	trade if the expected cost of the trade is more	10	your trust in us, we will work very hard for
11	than the expected return that we think we can	11	you. You will really get a true long-term
12	pick up from doing the trade.	12	partner. And we commit to coming back whenever
13	We put all of these elements together	13	you would like us to, to talk about the
14	into what we call an optimizer, which is	14	portfolio.
15	basically just you can think of it, I do, as a	15	We commit to open clear transparent
16	really big calculator that helps us to solve for	16	communication as well with PFM. And we would
17	all of these problems at once. Even though we	17	really be honored to work in service of PGW and
18	love math at Matarin, it's more than we would be	18	the City if you would select us.
19	able to keep track of in our heads. And at the	19	MR. DiFUSCO: I just had one additional
20	end of the day, what this results in is a	20	question. Commissioners may, as well. Did
21	portfolio that tends to have about 170 stocks on	21	you mentioned that the bulk of your assets are
22	average, and is very diversified by sector.	22	in this strategy. I least one of you or both
23	This process, as we said, has led to	23	said about 1.3 or 1.6.
0.4			
24	returns for our investors since inception. And	24	MS. COTTON: Correct.

23 (Pages 86 to 89)

	Page 90		Page 92
1	MR. DiFUSCO: Do you consider that firm	1	of being 100 percent management owned. We are
2	risk or is there a concern about, you know, if	2	not spending somebody else's money. And so,
3	there is an issue with this particular strategy,	3	that from a business perspective, that's how
4	it causes stress on the entire firm? Are you	4	we think about being able to stick it out for
5	looking to, you know, expand capital in other	5	the long run.
6	strategies?	6	You may also be interested to hear that
7	If I'm not phrasing it right, hopefully	7	when we founded the firm, we set a commitment to
8	you	8	hopefully build an entity that can last even
9	MS. COTTON: I know what you mean.	9	beyond its founder. We are thinking a great
10	Sure, Chris. So briefly, the other strategies	10	deal about longevity at Matarin.
11	just so you know what they are, we have a U.S.	11	MR. AMMATURO: How much of that 1.6
12	large-cap strategy. That is actually done	12	billion is with emerging manager programs as
13	exceptionally well versus a thousand strategies	13	opposed to directly plan sponsored?
14	out there. It's in the fifth percentile for	14	MS. COTTON: So, we feel very fortunate
15	those risk adjusted returns that I mentioned.	15	to have a number of accounts, especially early
16	And so, obviously, large cap has had some	16	on, to come from those emerging manager
17	headwinds. But we still are optimistic in	17	programs. We always say we really wouldn't be
18	growing assets in that strategy.	18	here without them. They are very important.
19	We also have a micro cap strategy which	19	Who is going to give you money at the 18-month
20	is very new, actually, which has seen new	20	mark when you really don't have any. But in
21	investments in it just in the last few months.	21	addition to having grown with the benefit of
22	We want to be prudent and thoughtful about the	22	those programs, then as our track record got
23	kind of strategies that we do offer. We have	23	long enough and our assets grew, we started
24	been approached, actually, to begin some very	24	meeting the criteria for various RFPs and being
	Page 91		Page 93
1	strategies that we chose not to do because we	1	invited to finals and then winning some along
2	didn't think we could deliver them in the best	2	the way.
3	way for our clients. We talk all the time about	3	Eight of our last ten clients, new
4	other strategies. We are working on some other	4	clients, have been direct mandates such that the
5	ideas potentially. It is something we will	5	overall split from the firm has really moved,
6	always approach in a really thoughtful way.	6	frankly, in a nice way for a firm like ours to
7	MR. DiFUSCO: Thank you.	7	have in its life cycle development. That split
8	MS. COTTON: Just to add to your	8	now is 70/30. Seventy percent is direct and
9	question in terms of how we think about it in	9	30 percent from those emerging manager programs.
10	terms of business risk. It's something we do	10	MR. AMMATURO: Thanks.
11	talk about. The way that we think about the	11	CHAIRMAN SCOTT: Thank you.
12	business risk, is we want to be able to manage	12	MS. JOHNSON: Thank you.
13	volatility whether in the markets or possibly,	13	(Matarin Firm presentation concludes.)
14	hopefully, not in clients while keeping the	14	
15	being able to always cover the firm's costs.	15	MR. GOLDSMITH: Well, you know, looking
16	When it comes to business risks, one of	16	at all that, I think there was some questions in
17	the things that you see too often is that firms	17	between Macquarie and Matarin. There was some
18	kind of scale up their costs as they grow and	18	discussions about ownership I overhead a little
19	the markets are rising or when their strategy is	19	bit. You know, in looking at the data,
20	in favor. And then when things go out of favor,	20	performance data we have in front of us, what we
21	it's hard to continue to cover those costs. And	21	just heard from all three managers and the fee
22	so, we have been so diligent in thinking about	22	proposals they are in, I find it hard to make a
23	how we manage our financing ever since we	23	case against Copeland, especially you know, if
24	founded the firm. I think it's also a byproduct	24	we are going down the road of, you know, one
	71		-

24 (Pages 90 to 93)

	Page 94		Page 96
1	manager, one index.	1	always frequently, the lowest across all
2	You know, I think they we look at	2	periods. You know, these are things that point
3	firm characteristics, employee owned. And more	3	to, I want to say, defensively minded but also
4	so than that, every member of the investment	4	able to find that alpha in the small-cap
5	team is an owner even, you know, their quant	5	universe. I think that flushes with our
6	analyst who is graduate from college in 2014. I	6	philosophy when it comes to total portfolio
7	assume that some element of his compensation is	7	construction. At the same time, they run the
8	being awarded equity in the firm. The nature of	8	most concentrated strategy within the lowest
9	their, I guess the philosophy is reflected in	9	turnover. You know, 40 holdings or so. You
10	the nature of their performance in that they	10	know, 30 to 40 to 50 holdings at any various
11	have exhibited not just in what they showed	11	times. That type of strategy would pair well
12	here, but in the book. If you flip ahead to	12	with an index. You have got your broad
13	this page I don't think it's a page number on	13	benchmark exposure, then a much more
14	it, but it's labeled Historical Statistics.	14	concentrated portfolio.
15	You know, it covers it features a	15	So again and then lastly, I will add
16	number of metrics that are all over their books.	16	in the fees were significantly lower. I mean,
17	Here is nice place where you can look at it all	17	they are starting with the 20-plus basis point
18	at once. There is number of applicable	18	head start.
19	statistics on here.	19	CHAIRMAN SCOTT: So, their dividend
20	MR. DiFUSCO: It's behind the PFM memo.	20	growth philosophy, is that unique?
21	The last page or two of the	21	MR. GOLDSMITH: Within these three
22	MR. GOLDSMITH: Right. Before the	22	managers, I would say it certainly is. I don't
23	Copeland start of the Copeland book. This is	23	think it's unique to the overall universe of
24	all these are the composites of all the	24	investment managers. I don't want to call it a
	Page 95		Page 97
1	managers over the same period. You know, all	-	
2		1	sub-bucket like value or growth. I would call
2	ending September 30. You know, some	2	sub-bucket like value or growth. I would call it a philosophy that some managers have, you
3			
	ending September 30. You know, some	2	it a philosophy that some managers have, you
3	ending September 30. You know, some similarities. Think all managers probably noted	2 3	it a philosophy that some managers have, you know, chosen to make their prevailing strategy.
3 4	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven	2 3 4	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary
3 4 5	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven quarters leading up to this point were not the	2 3 4 5	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary accounts, dividend growth managers in the large
3 4 5 6	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven quarters leading up to this point were not the best environment for the types of strategies	2 3 4 5 6	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary accounts, dividend growth managers in the large cap space. I think that's typically where it's
3 4 5 6 7	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven quarters leading up to this point were not the best environment for the types of strategies they were running. You know that being said,	2 3 4 5 6 7	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary accounts, dividend growth managers in the large cap space. I think that's typically where it's most prevalent. It's not entirely unique in the
3 4 5 6 7 8	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven quarters leading up to this point were not the best environment for the types of strategies they were running. You know that being said, you know, across all the periods here and flips	2 3 4 5 6 7 8	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary accounts, dividend growth managers in the large cap space. I think that's typically where it's most prevalent. It's not entirely unique in the small-cap space.
3 4 5 6 7 8 9	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven quarters leading up to this point were not the best environment for the types of strategies they were running. You know that being said, you know, across all the periods here and flips on the ten years, well Copeland hasn't been	2 3 4 5 6 7 8	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary accounts, dividend growth managers in the large cap space. I think that's typically where it's most prevalent. It's not entirely unique in the small-cap space. I think it requires, just like any
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3 4 5 6 7 8 9 10	ending September 30. You know, some similarities. Think all managers probably noted this, the last year and a half or last seven quarters leading up to this point were not the best environment for the types of strategies they were running. You know that being said, you know, across all the periods here and flips on the ten years, well Copeland hasn't been around for ten years, neither has Matarin. But you know, downmarket capture, the fourth column from the right. Copeland is very	2 3 4 5 6 7 8 9 10	it a philosophy that some managers have, you know, chosen to make their prevailing strategy. You know, we at PFM have utilized discretionary accounts, dividend growth managers in the large cap space. I think that's typically where it's most prevalent. It's not entirely unique in the small-cap space. I think it requires, just like any management small-cap or large-cap, it requires more work to do. There are more names to cover.
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25 (Pages 94 to 97)

	Page 98		Page 100
1	Copeland was also employee owned; is that	1	said
2	correct?	2	MS. JOHNSON: I was just looking at for
3	MR. GOLDSMITH: Yeah.	3	those small-cap space, had three firms here
4	CHAIRMAN SCOTT: How do you evaluate the	4	today at three varying sizes. And I guess from
5	risk of that type of ownership versus that	5	your I just want to hear from your
6	the larger firm we interview?	6	perspective kind of the not saying which one
7	MR. GOLDSMITH: I think the risk to	7	of these firms you think, but kind of just
8	employee-owned firms, you know, broadly	8	upsides do you need a large Delaware Macquarie
9	speaking, could be key man risk where one person	9	firm to be successful in this space? Or do, you
10	owns the majority of the equity or the process	10	know or a Copeland which is very different
11	is overly rely on that one person. We don't	11	from Matarin firm.
12	have those issues with either of these	12	So, just kind of want to get your
13	employee-owned firms.	13	perspective of that because these are three
14	You know, the bigger risk I think would	14	various sizes of firms.
15	be that of acquisition, which is not always a	15	CHAIRMAN SCOTT: Let me ask.
16	negative risk necessarily. But things can	16	MR. AMMATURO: That's a good question.
17	change. We heard, I think, Matarin talk about,	17	CHAIRMAN SCOTT: One was 1.3 billion,
18	you know, I think they all sort of moved away	18	another was 3 billion and another one was what,
19	from those types of firms to specifically run	19	150?
20	the strategy and run the firm they way that they	20	MR. GOLDSMITH: So 1.6, 3 and several
21	wanted to. I don't want to say the would go and	21	hundreds.
22	sell to a large financial conglomerate. But you	22	MS. JOHNSON: When it comes to equities
23	know, the performance is strong. Anything can	23	probably
24	happen in the investment management phase.	24	MR. GOLDSMITH: 90 billion maybe in
21	nappen in the investment management phase.	24	WK. GOLDSWITTI. 90 billion maybe in
	Page 99		Page 101
1	A change to culture could occur in that	1	equities Macquarie.
2	instance. Again, this is purely hypothetical.	2	MR. DiFUSCO: Yeah, that's right.
3	These are things that just my happen.	3	MR. AMMATURO: I think there's been
4	MR. AMMATURO: It's a net positive. We	4	proof statements out there that the emerging
5	look for employee-owned firms. We look for	5	firms have been able to outperform the
6	portfolio managers, employee management	6	mainstream managers. That's not across the
7	ownership take in the firm. Interests are	7	board, obviously. But there is proof statements
0	aligned with your interests. And that's one of	8	out there that small boutiques have been able to
Ö			out there that sman boundings have been able to
8 9		9	add incremental return.
9	the things we look for.	1	add incremental return.
9 10	the things we look for. MR. GOLDSMITH: You know, on the	10	add incremental return. I don't think you're dealing with
9 10 11	the things we look for. MR. GOLDSMITH: You know, on the flipside, Macquarie, they are certainly	10 11	add incremental return. I don't think you're dealing with emerging firms here that are like 500 million,
9 10 11 12	the things we look for. MR. GOLDSMITH: You know, on the flipside, Macquarie, they are certainly performance-based salary compensation schedule,	10 11 12	add incremental return. I don't think you're dealing with emerging firms here that are like 500 million, 600 million that are really business risk. I
9 10 11 12 13	the things we look for. MR. GOLDSMITH: You know, on the flipside, Macquarie, they are certainly performance-based salary compensation schedule, you heard them. They also when we have	10 11 12 13	add incremental return. I don't think you're dealing with emerging firms here that are like 500 million, 600 million that are really business risk. I don't think PGW is entering down the roads of
9 10 11 12 13 14	the things we look for. MR. GOLDSMITH: You know, on the flipside, Macquarie, they are certainly performance-based salary compensation schedule, you heard them. They also when we have our own P&L for just this strategy. That is a	10 11 12 13 14	add incremental return. I don't think you're dealing with emerging firms here that are like 500 million, 600 million that are really business risk. I don't think PGW is entering down the roads of business risk by investing with one of these
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9 10 11 12 13 14 15 16 17 18 19 20 21	the things we look for. MR. GOLDSMITH: You know, on the flipside, Macquarie, they are certainly performance-based salary compensation schedule, you heard them. They also when we have our own P&L for just this strategy. That is a little interesting to hear. You don't always hear that with the large firms. I think they take his success in Macquarie is relying on the profitability of that strategy. One that comes from performance but also, you know, keeping expenses I think. I thought it was interesting. But certainly,	10 11 12 13 14 15 16 17 18 19 20 21	add incremental return. I don't think you're dealing with emerging firms here that are like 500 million, 600 million that are really business risk. I don't think PGW is entering down the roads of business risk by investing with one of these boutiques. I think especially Copeland is past that hurdle of \$3 million. So, you I don't think you can really go wrong. Because I think either shop in terms of the first two managers, to your point Rasheia, can't get much different. You are going from a boutique lean organization to a top

26 (Pages 98 to 101)

			Page 104
1	MS. JOHNSON: Right. Their returns each	1	something differently. So, we went up for RFP.
2	year over year.	2	And we retained most if not all of our managers,
3	MR. AMMATURO: Is fairly consistent.	3	but then added additional four or five.
4	It's more your appetite for that boutique lean	4	Everyone is not going to get money from the
5	organization or the multinational top 50 asset	5	offset, but we negotiated with them.
6	manager. Kind of what are you more comfortable	6	They came up with their best and final
7	with as a commission. We at PFM favor the	7	offer. We'd like to contract with you, but can
8	boutique that is employee-owned that has skin in	8	you move here, there. They agreed. Now it's
9	the game. But we presented all these firms	9	with the Law Department and their compliance and
10	because we are comfortable with all of them.	10	kind of going back and forth. But the fees are
11	MS. JOHNSON: Fair enough.	11	solid.
12	MR. WHITE: Boutique sells 55	12	CHAIRMAN SCOTT: Okay. Copeland
13	significantly cheaper fee.	13	relative to their diversity philosophy, how I
14	MR. DiFUSCO: Right.	14	can't recall.
15	MR. GOLDSMITH: What's shown here, take	15	MR. GOLDSMITH: Here are the numbers. I
16	away 20 basis points from the other two. These	16	don't know if there was an explicit diversity
17	are growths.	17	philosophy. We talking diversity of employees
18	MR. AMMATURO: That's a good point. If	18	or diversification
19	they are right on top of each other, that means	19	CHAIRMAN SCOTT: Yeah, employees.
20		20	
21	Copeland outperformed by 25 basis points. MR. GOLDSMITH: Like 57 I think.	21	MS. JOHNSON: Employees. MR. DiFUSCO: A quarter of investment
		22	
22 23	MR. DiFUSCO: Yeah. I approximated	23	professionals are minority, 18 percent of the
23 24	because it depends on the exact break.	23	executives in C-suite positions are female or
24	CHAIRMAN SCOTT: So, the firm that	24	minority. And employees as a whole, 22 percent
	Page 103		Page 105
1	the City of Philadelphia is looking at one of	1	each female minority, 11 percent ownership by
2	these firms or has a relationship with one of	2	female minority. Numbers, I would say, slightly
3	them?	3	higher depending on how you would break it down
4	MS. JOHNSON: We are contracting with	4	for Delaware. Although, I don't know if it's
5	Delaware Investments, Macquarie or whatever they	5	leaps and bounds of and then Matarin,
6	are calling themselves.	6	obviously, is smaller. Shop only total
7	CHAIRMAN SCOTT: The question that	7	employees. But over half women. And of the
8	Christopher asked relative to the	8	five women, two are Hispanic, one is
9	competitiveness of their fees, is it that's	9	African-American. The Hispanic women are both
10	still in the discussion phase in terms of their	10	considered executive or C-Suite. Then
11	fee structure? Or is that etched?	11	African-American you know, is pretty much
12	MS. JOHNSON: Our fee structure with	12	running strategy on the investment team.
13	them is etched. And either they're going to	13	CHAIRMAN SCOTT: PFM, you guys are
14	sign it or they are not. Everything is	14	recommending Copeland?
15	negotiable.	15	MR. GOLDSMITH: I think, like I we said,
16	MR. DiFUSCO: I like how you negotiate.	16	we came in today with standing behind all
17	Sign it or leave.	17	these managers. When you look at purely you
18	MS. JOHNSON: We gave them best and	18	heard the stories of philosophies. You know,
19	final, and then I followed up. Because on our	19	regardless of whether you favor one or the
20		20	
	investment manager side, we had very small edge.	20	other, assuming you stand behind all of those
21 22	We had about \$3 billion in assets for the City	21	roughly equally, you look at historical
44	that we have with managers. Again, very short		performance in certain market periods.
	town Dut I think was had also the fire action	((()	I think (Concloud atom do not be and be and
23 24	term. But I think we had about five active managers. And we had no we wanted to do	23 24	I think Copeland stands out just based on purity to some extent. Even you can see that

27 (Pages 102 to 105)

	Page 106		Page 108
1	all managers performed generally well. I think	1	MR. AMMATURO: I'll be very brief. It's
2	when you apply the fees, it makes it a clear	2	2.1 of the page. It's labeled September 30,
3	decisions well, a clearer decision I would	3	2018 Total Fund Market Value, 550,636,304.
4	say.	4	Again, this is as of September 30. We all know,
5	MR. AMMATURO: Macquarie, they would be	5	again, market sold off posts September 30. But
6	willing to talk fees with you, did they not	6	through the first nine months in the calendar
7	Chris at the end? You asked point blank. Said,	7	year, your portfolio was performing very well.
8	we are willing to talk. Not sure how much	8	On absolute basis, up 4.73 and on a relative
9	wiggle room there is.	9	basis. If you look at it verse the benchmark,
10	MR. DiFUSCO: Yeah. They would I	10	benchmark is only 3.52.
11	guess my would they come down 30 basis points	11	What is driving that? Outperformance on
12	maybe, I think that's unlikely. We were talking	12	a relative basis is two things. One, they are
13	10 basis points maybe, I think they would talk.	13	overweight to equity markets. And again,
14	I don't know that I, based on my experience in	14	through the first nine months of the year, the
15	past negotiations, not with them but with other	15	equity markets are very strong. And you will
16	firms, they don't come down.	16	see active managers have really done well in
17	MR. GOLDSMITH: I think Copeland had	17	this portfolio. You have two things kind of
18	lower fees, I think from the start, as well,	18	adding to your incremental return over the
19	even what was proposed in RFP. Their business	19	benchmark.
20	model or whatever they are willing to have, and	20	Within large-cap, a lot of the assets
21	their margins in general I think are lower.	21	are indexed, if you look at Rhumbline and
22	MR. AMMATURO: That's the benefit of	22	Northern Trust, that is really 3 percent of your
23	being a smaller employee-owned shop. There is	23	assets. So 33 out of 40 I'm sorry, 28 out
24	more infrastructure, more red tape obviously at	24	of 40 is passively managed. And then you have
	Page 107		Page 109
1	Macquarie relative to Copeland.	1	PineBridge, a recent addition at the end of last
2	CHAIRMAN SCOTT: Yes. Is the	2	year.
3	committee I mean, Commissioners are you guys	3	PineBridge just got started in November
4	ready to vote?	4	of last year. If you look all the way to the
5	Does anyone want to make a	5	far right, and they are up 11 percent in this
6	recommendation? I know I am prepared to make	6	calendar year, slightly outperforming. That's
7	one.	7	10 percent of your assets. Good start by
8	MR. WHITE: Based on fees.	8	PineBridge.
9	CHAIRMAN SCOTT: It look likes we are	9	On the small-cap side, this is where we
10	leaning in the direction of Copeland.	10	spent our morning discussing who is going to
11	Is there a motion?	11	potentially replace Vaughan Nelson and Eagle.
12	MR. WHITE: Motion to recommend or to	12	If you look at the compositive level, combined
13	the recommendation of Copeland.	13	small-cap year to date column, 14.8 vs 11.5.
14	MS. JOHNSON: Second.	14	Good outperformance for your active managers of
15	CHAIRMAN SCOTT: Motion has been made	15	small-cap this calendar year.
16	and properly seconded that we go with Copeland.	16	On the international side, again, I
17	All those in favor?	17	wouldn't focus on the year-to-date column and
18	(Ayes.)	18	the combined equity. Negative 1.8 verse a
19	CHAIRMAN SCOTT: Ayes have it.	19	negative 3. So international has not been the
20			place to be this calendar year. But on a
21	here.	1	relative basis, your manager has minimized
			losses. That's what you want, right, from your
23	cover the investment performance and then we	23	active managers. Negative 1.8 versus benchmark
24	have one other brief item.	24	that's negative 3 for the first nine months of
21 22	MR. DiFUSCO: Well, Marc, will briefly	20 21 22 23 24	place to be this calendar year. But on a relative basis, your manager has minimized losses. That's what you want, right, from you active managers. Negative 1.8 versus bence

28 (Pages 106 to 109)

	Page 110		Page 112
1	the year.	1	book, I think it's an important point. Again,
2	You have one index fund there. You see	2	behind Tab 2. So, this is what I was saying
3	Rhumbline, which just got hired mid 2017. And	3	earlier.
4	you have three active managers, which are in the	4	If you look at the blue bar for domestic
5	process of 16 getting replaced, as well:	5	equity, you have a nice size overweight. That's
6	Mondraine, Harding and DFA. But again in the	6	been a tailwind to your performance for the
7	aggregate preservation of capital at the	7	first nine months of the year. If you look at
8	international equity level, which is good to see	8	combined fixed income, you are underweight by
9	in this turbulent market.	9	about 5 percent. That is what's driving that
10	On the fixed income side on the	10	relative outperformance for the first nine
11	subsequent page, again, similar theme. It's	11	months of the year. Being overweight to
12	been a tough year even with the bond market.	12	equities and underweight at the bond market.
13	Bond market is down negative 1.6 for the first	13	Your target is roughly 65 equity and
14	nine months of the year. If you look at the	14	you're close to 70 percent equity as of the end
15	Barclay's aggregate, your managers on a	15	of September 30.
16	consolidated basis are negative. But again, not	16	MR. GOLDSMITH: Speaking to maybe what
17	as far down as the benchmark. Negative 0.74,	17	happened in October a little bit, one thing
18	which again is good to see.	18	we as this plan raises about 2.5 million in
19	You have six active managers. And they	19	cash per month. It's been a theme throughout
20	all outperformed five of the six five of the	20	2017, and really for most of 2018 that those
21	top five outperformed. SKY Harbor, the bottom	21	selling assets to raise that cash has mostly
22	one, just got hired. If you look all the way to	22	come from U.S. equities. The strongest
23	the far right, SKY Harbor just got hired in	23	performing, most overvalued assets class.
24	April. Let's put that one aside. But the other	24	So you know, by trimming sort of
	Page 111		Page 113
1	five, all productive capital during this	1	consecutively throughout the year, it's a way of
2	volatile time period for the bond market, which	2	dollar-cost averaging those assets on the way
3	is good to see. The first two managers have the	3	out. So you know, being overweight in October
4	majority of the assets. That is almost half of	4	to domestics didn't help. But letting it drift,
5	your fixed income allocation. They both, you	5	it would have been much more overweight. I
6	know, on a year-to-date basis, projected	6	think that's, obviously, a little when we
7	capital. Is good to see.	7	give our recommendations to Chris, relative
8	MR. GOLDSMITH: Just a note on SKY	8	valuations and our outlook for the future is
9	Harbor, you might remember, that's a high yield	9	always, you know, what goes into that decision.
10	manager that was added. The benchmark for	10	We handed out the market value as of the
11	combined fixed income is the Barclay's	11	end of the day yesterday. You know, I don't
12	aggregate. Even though SKY Harbor, you know,	12	I think we are a little bit underweight to cash.
13	has lagged in its style specific benchmark, that	13	That is by design throughout we like to keep
14	decision to add high yield specifically into the	14	a cushion to cash. So when there is volatility
15	fixed income portfolio has added a lot of value	15	like you saw in October, we don't aren't
16	since inception. SKY Harbor is up 2.45 since	16	forced to sell assets at, you know, in the
17	early 2018, while the Barclay's aggregate is	17	middle of 10 percent market correction. And we
18	negative over that period. It's an allocation	18	did. I think you might have seen we rebalanced
19	decision to high yield.	19	it this week. Taking assets from fixed income
	MR. DiFUSCO: Is this in the binder, as	20	now as sort of the market conditions have
20		21	flipped somewhat.
20 21	well?		
		22	**
21	MR. GOLDSMITH: Yes. MR. AMMATURO: Is think it's worth to		CHAIRMAN SCOTT: We went from September 30 we were at 550. And on

29 (Pages 110 to 113)

1 _			
1	MR. AMMATURO: Yeah.	1	immediately. But I am saying practically
2	MR. DiFUSCO: About a 6.4 percent	2	speaking, since we are halfway through the
3	this morning, 6.4 percent decline.	3	quarter, I suspect, you know, it's reasonable to
4	MR. GOLDSMITH: We expect the October	4	ask them to start meeting that goal for the
5	flash performance to be available, hopefully,	5	first quarter.
6	later on today. If it is, Chris will distribute	6	MS. JOHNSON: Make sense.
7	it to you all.	7	MR. DiFUSCO: Just being realistic.
8	CHAIRMAN SCOTT: Thank you.	8	CHAIRMAN SCOTT: At the January meeting,
9	MR. AMMATURO: Thank you.	9	would we see actual performance?
10	CHAIRMAN SCOTT: Chris, No. 5.	10	MR. DiFUSCO: Sure. I send those out to
11	MR. DiFUSCO: Sure. We discussed this	11	you as I get them. You will have those in
12	briefly. I mentioned over email. We set up	12	January on or before the first, you will have
13	Commission supported approval that diversity	13	the numbers at the end of the quarter for third
14	female veteran local brokerage program about a	14	quarter. The fourth quarter numbers will
15	year ago. We started that at 30 percent target.	15	probably be ready around the first of February.
16	We have seen a lot of managers close to it or	16	Have to add everything. Soon as I have them, I
17	exceed it. And a couple that are not or happy	17	will send them out.
18	to be ones that, for various reasons, are on	18	CHAIRMAN SCOTT: Thank you.
19	their way out.	19	MR. DiFUSCO: Yup.
20	And so, the large pension fund, the City	20	CHAIRMAN SCOTT: This has been a pretty
21	pension fund recently increased the target to	21	long meeting.
22	35 percent. I think it makes sense. We have a	22	MR. DiFUSCO: Try not to do that very
23	lot of the managers in common. You know, a lot	23	often.
24	of these managers work with other public funds	24	CHAIRMAN SCOTT: That's all right.
21	of these managers work with other public funds		CIL INCOLL VICEOTT. That's all right.
	Page 115		Page 117
1	that have, you know, high targets, as well.	1	Are you guys ready to adjourn?
2	With the Commission's approval, I would	2	Is there a motion to adjourn?
3	like to increase the target here as well to	3	MR. WHITE: Motion to adjourn.
4	35 percent. Keep those consistent and, you	4	MS. JOHNSON: It's seconded.
5	know, push our managers on the diversity and	5	CHAIRMAN SCOTT: Thank you, everybody.
6	gender front to deal with a little bit more. So	6	(At this time, the Meeting adjourned at
7	if the Commission is so inclined, I would ask	7	12:19 p.m.)
8	for a motion to support that.	8	
9	MS. JOHNSON: I'll make a notion	9	
10	MR. WHITE: Second.	10	
11	CHAIRMAN SCOTT: I think the motion was	11	
12	made and it was seconded.	12	
13	MS. JOHNSON: All in the same breath.	13	
14	CHAIRMAN SCOTT: All those in favor?	14	
15	(Ayes.)	15	
16	CHAIRMAN SCOTT: That is passed.	16	
17	MR. DiFUSCO: Thank you. I will alert	17	
18	the managers. And just for reporting purposes,	18	
19	I will probably ask them to, you know you	19	
20	will see what it is at the end of the quarter.	20	
21	I will expect that they will start more fully	21	
22	given it's already mid November. You really	22	
		23	
23	Kick that thio gear the first of the year - that		
23 24	kick that into gear the first of the year. That is my expectation given the target will increase	24	

30 (Pages 114 to 117)

CERTIFICATION	
I, hereby certify that the proceedings and evidence noted are contained fully and accurately in the stenographic notes taken by me in the foregoing matter, and that this is a correct transcript of the same.	
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