## Spokane Employees' Retirement System (SERS) Board Meeting, 12:00 p.m. December 5, 2018 City Hall - Conference Room 5A

## AGENDA

- 1) Jayson Davidson, Hyas Group
  - a. Third Quarter 2018 Performance Review
    - Information
  - b. Fund Manager Discussion
    - Motion
  - c. Review Index Fund Alternatives
    - Motion
- 2) Minutes of the October 31, 2018 Meeting
  - Motion
- 3) Director's Report
  - a. Retirements
    - Motion
  - b. Withdrawals
    - Motion
  - c. Deaths
    - Information
  - d. Expenditure Summary Report October 2018
    - Motion
  - e. Schedule of Investments October 2018
    - Information
  - f. Monthly Cash Reconciliation
    - Information
  - g. Other Business
- 4) Other Business
- 5) Next Meeting Wednesday January 30, 2019 at 1:30 p.m.

## Spokane Employees' Retirement System (SERS) Board Meeting Minutes October 31, 2018

The regular monthly meeting was called to order at 1:32 p.m. in the Tribal Conference Room in the lobby at City Hall.

- **Present:** Mike Coster, Jim Tieken, Mike Cavanaugh, Candace Mumm, Dean Kiefer, Brian Brill, and J. D. Morscheck
- Staff: Phill Tencick, Donald Brown, and Tim Szambelan
- **Guests:** Joe Cavanaugh, Natalie Hilderbrand, Bob Olsen, Dave Henshaw, Jon Barnhart, Adam Miles, and John Bjork

#### Minutes of the September 26, 2018 Meeting

Candace Mumm moved and Jim Tieken seconded the motion to approve the minutes of the September 26, 2018 meeting as presented. The motion passed unanimously.

## Director's Report

Service Retirements

Name	Age	Retirement Date	Years of Service	Option
William "Mike" Reinken	55	11/02/2018	25.8	E
Christopher P. Galvin	62	12/04/2018	12.1	E

Dean Kiefer moved and Brian Brill seconded the motion to approve the service retirements as amended on the October Retirement Transaction Report. The motion passed unanimously.

#### Withdrawals for September 2018

Name	Years of Service	Termination Date
George B. Stumph	1.9	07/08/2010
Edward L. Davis	0.4	08/16/2011
Devin J. Deatrich	1.5	03/09/2018
Sandra E. Burwell	2.1	08/10/2018

Mike Cavanaugh moved and Candace Mumm seconded the motion to approve the request for withdrawal as presented on the October Retirement Transaction Report. The motion passed unanimously.

#### <u>Vesting</u>

<u> </u>				
Name		Dep	Years of Service	
Omar A. Akkari		Plannir	2.8 Portability	
John H. Enquist	Soli	id Wast	22.1	
<u>Deaths</u>				
Name	Date Retired	Age	Date of Death	Information
Lantia Passmore	12/30/1995	85	09/20/2018	No Further Benefits
Orville J. Poole	12/27/1997	83	10/05/2018	No Further Benefits
Harold G. Piper	03/26/1983	92	10/13/2018	No Further Benefits

Vesting and Death information provided to the Board for review.

## Expenditure Summary Report – September 2018

The Expenditure Summary Report was presented to the Board and discussed.

Mike Cavanaugh moved and Jim Tieken seconded the motion to approve the September 2018 Expenditure Summary Report. The motion passed unanimously.

## <u>Schedule of Investments – September 2018</u>

The monthly investment report was presented to the Board for review. The estimated market value of the SERS portfolio on September 30, 2018 was \$312 million with an estimated rate of return of 1.4% for the month.

## Monthly Cash Reconciliation

The monthly cash reconciliation report was presented to provide the Board with additional insight into the ongoing liquidity, transactions, and cash position of the plan.

## Index Fund Primer

Mr. Tencick provided a presentation on construction and evaluation of index funds.

## 2019 Contribution Rate Resolution

Mr. Tencick presented the Contribution Rate Resolution. This resolution will increase employee contributions from 9.00% of eligible compensation to 9.25% as previously voted by the Board at the April 2018 SERS Board meeting. The resolution will be effective as of the pay period beginning December 16<sup>th</sup>.

Mike Cavanaugh moved and Jim Tieken seconded the motion to adopt the Contribution Rate resolution. Candace Mumm will work with Staff to present the resolution to City Council.

## 2019 Education Opportunities

Mr. Tencick gave a brief overview of the educational opportunities that were included with the Board packet and encouraged Board members to contact Staff if they were interested in attending any of the conferences.

#### Other Business

Mike Cavanaugh requested that the Board meeting be moved to a more suitable meeting space. Discussion ensued pointing out issues with noise from various sources causing distractions to the information being discussed.

Candace Mumm moved and Jim Tieken seconded the motion to find a more suitable room for the SERS Board meeting to meet. The motion passed unanimously.

J. D. Morscheck asked for more detailed performance information from Hyas Group for SERS investments. Mr. Tencick will meet to discuss what information is needed and request it from Hyas Group.

There being no other business, the meeting adjourned at 2:26 p.m.

Phillip Tencick, Retirement Director

# SERS Retirement Transaction Report November 2018

# Retirements

INGUIG						
			Retirement	Years of		
	Name	Age	Date	Service	Department	Option
1	Terry S. Savage	63	11/05/2018	18.0	Development Services Center	ST
2	Brenda L. Corbett	66	12/05/2018	22.3	Municipal Court	ST
3	Paul A. Traynor	62	01/08/2019	25.5	Water	E
4	Shawn C. Pray	58	01/03/2019	29.4	EMS Fund Advanced	А
5	Shao-Zen Chang	67	02/02/2019	16.7	Wastewater Treatment	D
	Retirements YTD	68				
	2017 Total Retirements	62				

# Withdrawals

		Years of		Termination
	Name	Service	Department	Date
1	Jonathan C. Williams	8.9	Information Technology	02/04/2016
2	John P. Brennan	1.3	Street	09/22/2017
3	Emily E. Maiani	1.9	Library	02/16/2018
4	Jocelyn Q. Sullivan	0.4	Legal	04/20/2018
5	Melody A. Reinken	0.7	Police Records	05/01/2018
6	Timothy G. Shell	0.7	Fleet	09/07/2018
7	Jesse D. Jones	0.6	Library	09/07/2018
8	Raymond E. Lunceford	1.2	Street	09/20/2018
9	Tina J. Franklin	2.6	Library	10/05/2018

# Deaths

		Date			
	Name	Retired	Age	Date of Death	Information
1	Carol K. Taylor	06/04/2010	85	10/17/2018	No Further Benefits
2	Peggy A. Edwards	11/04/2003	80	10/25/2018	No Further Benefits
3	Evelyn L. Lund	01/01/2011	91	10/25/2018	No Further Benefits

#### SPOKANE EMPLOYEES' RETIREMENT SYSTEM - 6100 2018 EXPENDITURE SUMMARY REPORT OCTOBER 31, 2018

			OCTOBER	2018		
	2017	2018	ACTUAL	ACTUAL YTD		PERCENTAGE
	ACTUAL	BUDGET	EXPENDITURES	EXPENDITURES	VARIANCE	USED
OPERATING EXPENDITURES						
Departmental Salaries	272,809.13	290,564.00	21,288.00	223,025.18	67,538.82	76.8%
Departmental Benefits	78,628.12	86,250.00	6,663.53	68,648.10	17,601.90	79.6%
Reserve for Budget Adjustment	-	10,000.00	-	-	10,000.00	0.0%
Administrative Income	(19,374.47)	(10,000.00)	-	(17,378.84)	7,378.84	
Postage/Supplies/Other	4,680.88	9,950.00	33.81	1,949.20	8,000.80	19.6%
State Audit Charges	10,669.62	15,000.00	2,031.62	8,535.86	6,464.14	56.9%
Contractual Services	139,186.91	175,000.00	19,958.31	121,000.06	53,999.94	69.1%
Travel	10,968.76	15,000.00	-	6,513.81	8,486.19	43.4%
Registration/Schooling	15,980.00	15,000.00	-	8,575.00	6,425.00	57.2%
Other Dues/Subscriptions/Membership	1,886.00	2,500.00	-	566.00	1,934.00	22.6%
Other Miscellaneous Charges	708.66	1,300.00	55.00	554.48	745.52	42.7%
Amortization	17,649.00	-	-	-	-	
TOTAL OPERATING EXPENDITURES	533,792.61	610,564.00	50,030.27	421,988.85	188,575.15	69.1%
INTERFUND EXPENDITURES						
Interfund - Centralized Purchasing	_	378.00	94.50	378.00	-	100.0%
Interfund - Centralized Accounting	2,346.92	2,078.00	519.40	2,077.60	0.40	100.0%
Interfund - IT Phones	1,514.36	_,010100	-	_,011100	-	
Interfund - Risk Management	760.00	790.00	-	592.50	197.50	75.0%
Interfund - Worker's Compensation	104.00	109.00	-	81.75	27.25	75.0%
Interfund - Reprographics	7,596.07	4,500.00	455.85	6,924.11	(2,424.11)	153.9%
Interfund - IT	13,756.33	16,171.00	1,354.99	12,168.23	4,002.77	75.2%
Interfund - IT Replacement	2,772.00	2,066.00	172.17	1,549.53	516.47	75.0%
Interfund - My Spokane	435.90	1,532.00	-	1,149.00	383.00	75.0%
TOTAL INTERFUND EXPENDITURES	29,285.58	27,624.00	2,596.91	24,920.72	2,703.28	90.2%
TOTAL ADMINISTRATIVE EXPENDITURES	563,078.19	638,188.00	52,627.18	446,909.57	191,278.43	70.0%

#### SPOKANE EMPLOYEES' RETIREMENT SYSTEM - 6100 2018 EXPENDITURE SUMMARY REPORT OCTOBER 31, 2018

	2017 ACTUAL	2018 BUDGET	OCTOBER ACTUAL EXPENDITURES	2018 ACTUAL YTD EXPENDITURES	VARIANCE	PERCENTAGE USED
<b>PENSIONS</b> Pensions-Annuity Benefit Payments	24,852,639.62	27,000,000.00	2,228,202.04	21,733,781.38	5,266,218.62	80.5%
Pensions-Disability Payments	125,328.48	140,000.00	10,444.04	104,440.40	35,559.60	74.6%
Pensions-Survivor Annuity Benefits Payments	1,913,816.49	2,100,000.00	172,521.06	1,641,068.96	458,931.04	78.1%
TOTAL PENSIONS	26,891,784.59	29,240,000.00	2,411,167.14	23,479,290.74	5,760,709.26	80.3%
Refunds	551,908.36	1,000,000.00	27,121.51	353,801.89	646,198.11	35.4%
TOTAL EXPENSES	28,006,771.14	30,878,188.00	2,490,915.83	24,280,002.20	6,598,185.80	78.6%
INVESTMENT EXPENSE* Advisory Technical Service	449,836.97	500,000.00	38,950.64	305,132.34	194,867.66	61.0%

\* investment expenses are netted against investment income in the statement of changes of plan net assets to arrive at a net investment income amount.

#### SERS Schedule of Cash and Investments October 31, 2018

	October 31, 2018				
11/27/2018			Δ	llocation	
11/27/2010	Toma				
	Туре		Target	Current	DIII.
Cash Held by Treasurer	Cash	\$ 47,415			
US Bank	Short-term Inv	149,773			
Total Cash		197,188	0.0%	0.1%	0.1%
			0.070	0.170	0.1 /0
Sterling Capital	Total Return	24,807,745			
Total Total Return		24,807,745	10.0%	8.4%	-1.6%
Hotchkis & Wiley	High Yield - Mutual Fund	11,917,710			
Total High Yield		11,917,710	5.0%	4.0%	-1.0%
_			5.0 %	4.0 /0	-1.0 /0
Polar	LLC	6,772,985			
American Beacon	Mutual Fund	-			
Castine Capital II	Ltd Partnership	7,819,792			
	•				
Post Limited Term High Yield	Ltd Partnership	6,086,658			
Rimrock Low Volatility	Ltd Partnership	9,948,786			
Total Absolute Return	•	30,628,221	8.0%	10.4%	2.4%
Total Absolute Neturn		50,020,221	0.070	10.470	2.7/0
Total Capital Preservation		67,550,864	23.0%	22.9%	-0.1%
Hotchkis & Wiley	LC Value - Mutual Fund	15,403,465			
Jackson Square	LC Growth - Mutual Fund	16,414,400			
MFS Heritage	LC Core	14,183,601			
Vanguard S&P 500 Index	LC Core - Mutual Fund	10,684,093			
Total US Large Cap		56,685,559	21.0%	19.2%	-1.8%
•			£1.070	13.270	-1.0 %
Sterling	MC Value	4,492,549			
Vanguard MC Growth	MC Growth - Mutual Fund	3,833,178			
Vanguard MC Index	MC Core - Mutual Fund	3,867,542			
Champlain	SC Core	6,074,179			
Phocas	SC Value - Mutual Fund	3,769,471			
Bridge City	SC Growth	5,406,393			
Vanguard SC Index	SC Core - Mutual Fund	859,407			
Total US Small/Mid Cap		28,302,719	11 <b>.0</b> %	9.6%	-1.4%
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		04 000 070	00.00/	00.00/	0.00/
Total US Equities		84,988,278	32.0%	28.8%	-3.2%
Artisan	SMID Value - Mutual Fund	19,801,224			
Euro Pacific	LC Blend - Mutual Fund	19,268,244			
		13,200,244			
Vanguard International	LC Index - Mutual Fund	-			
Total International Large Cap		39,069,468	15.0%	13.2%	-1.8%
Trivalent	SC Value - Mutual Fund	11,541,473			
					<u> </u>
Total International Small/Mid		11,541,473	4.0%	3.9%	<b>-0.1%</b>
Vanguard EM Index	EM - Mutual Fund	1,050,371			
ABS Emerging Markets	Ltd Partnership	7,436,079			
	-				
Berens	Ltd Partnership	936,212			
Berens Total Emerging Markets	•	936,212 9, <b>422,662</b>	3.0%	3.2%	0.2%
	•		3.0%	3.2%	0.2%
			3.0% 22.0%	3.2% 20.3%	0.2% -1.7%
Total Emerging Markets		9,422,662			
Total Emerging Markets Total International Equities		9,422,662 60,033,603			
Total Emerging Markets Total International Equities Weatherlow Offshore	Ltd Partnership	9,422,662 60,033,603 15,579,094			
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I	Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687			
Total Emerging Markets Total International Equities Weatherlow Offshore	Ltd Partnership	9,422,662 60,033,603 15,579,094	22.0%	20.3%	
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II	Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I	Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687			
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased	Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased	Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs)	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC LP LLC REITS	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC LP LLC REITS	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunties Morgan Stanley Prime Principal (REITs) Total Real Estate	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237	22.0%	20.3%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778	22.0% 7.0% 9.0%	20.3% 7.3% 8.8%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunties Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LLC REITS Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015	22.0% 7.0% 9.0%	20.3% 7.3% 8.8%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549	22.0% 7.0% 9.0%	20.3% 7.3% 8.8%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421	22.0% 7.0% 9.0% 7.0%	20.3% 7.3% 8.8% 6.9%	-1.7% 0.3% -0.2%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549	22.0% 7.0% 9.0%	20.3% 7.3% 8.8%	-1.7%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II	Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421	22.0% 7.0% 9.0% 7.0%	20.3% 7.3% 8.8% 6.9%	-1.7% 0.3% -0.2%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund V Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970	22.0% 7.0% 9.0% 7.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421	22.0% 7.0% 9.0% 7.0%	20.3% 7.3% 8.8% 6.9%	-1.7% 0.3% -0.2%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$295,528,197	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ 295,528,197 \$ (2,438,701)	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LP LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ 295,528,197 \$ (2,438,701)	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership As of September 30, 2018	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ (2,438,701) \$ 312,182,781	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ 295,528,197 \$ (2,438,701)	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets Total International Equities Weatherlow Offshore Royalty Opportunities I Royalty Opportunities II Total Long Biased Metropolitan Real Estate Partners Morrison Street Fund IV Morrison Street Fund IV Morrison Street Debt Opportunities Morgan Stanley Prime Principal (REITs) Total Real Estate Contrarian Capital Fund I Beach Point Total Opportunistic Credit Contrarian EM Credit OrbiMed II Total Special Opportunities	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership As of September 30, 2018	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ (2,438,701) \$ 312,182,781	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1%	-1.7% 0.3% -0.2% -0.1%
Total Emerging Markets         Total International Equities         Weatherlow Offshore       Royalty Opportunities I         Royalty Opportunities II       Total Long Biased         Metropolitan Real Estate Partners       Morrison Street Fund IV         Morrison Street Fund V       Morrison Street Fund V         Morrison Street Debt Opportunities       Morgan Stanley Prime         Principal (REITs)       Total Real Estate         Contrarian Capital Fund I       Beach Point         Total Opportunistic Credit       OrbiMed II         Total Special Opportunities       Total Cash and Investments	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LLC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership Souther States of September 30, 2018 Estimated Rate of Return	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ (2,438,701) \$ 312,182,781 -4.6%	22.0% 7.0% 9.0% 7.0% 0.0%	20.3% 7.3% 8.8% 6.9% 5.1% 100.0%	-1.7% 0.3% -0.2% -0.1% 5.1% 0.0%
Total Emerging Markets         Total International Equities         Weatherlow Offshore       Royalty Opportunities I         Royalty Opportunities II       Total Long Biased         Metropolitan Real Estate Partners       Morrison Street Fund IV         Morrison Street Fund IV       Morrison Street Fund V         Morrison Street Debt Opportunities       Morgan Stanley Prime         Principal (REITs)       Total Real Estate         Contrarian Capital Fund I       Beach Point         Total Opportunistic Credit       OrbiMed II         Total Special Opportunities       Total Cash and Investments	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC Ltd Partnership Souther States of September 30, 2018 Estimated Rate of Return Thesis 2017.1	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ (2,438,701) \$ 312,182,781 -4.6% 55,435,966	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1% 100.0%	-1.7% 0.3% -0.2% -0.1% 5.1% 0.0%
Total Emerging Markets         Total International Equities         Weatherlow Offshore       Royalty Opportunities I         Royalty Opportunities II       Total Long Biased         Metropolitan Real Estate Partners       Morrison Street Fund IV         Morrison Street Fund V       Morrison Street Debt Opportunities         Morgan Stanley Prime       Principal (REITs)         Total Real Estate         Contrarian Capital Fund I         Beach Point       Total Opportunistic Credit         Contrarian EM Credit       OrbiMed II         Total Special Opportunities       Total Cash and Investments	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ 295,528,197 \$ (2,438,701) \$ 312,182,781 -4.6% 55,435,966 32,242,725	22.0% 7.0% 9.0% 7.0% 0.0%	20.3% 7.3% 8.8% 6.9% 5.1% 100.0%	-1.7% 0.3% -0.2% -0.1% 5.1% 0.0%
Total Emerging Markets         Total International Equities         Weatherlow Offshore       Royalty Opportunities I         Royalty Opportunities II       Total Long Biased         Metropolitan Real Estate Partners       Morrison Street Fund IV         Morrison Street Fund V       Morrison Street Debt Opportunities         Morgan Stanley Prime       Principal (REITs)         Total Real Estate         Contrarian Capital Fund I         Beach Point       Total Opportunistic Credit         Contrarian EM Credit       OrbiMed II         Total Special Opportunities       Total Cash and Investments	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC Ltd Partnership Souther States of September 30, 2018 Estimated Rate of Return Thesis 2017.1	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ (2,438,701) \$ 312,182,781 -4.6% 55,435,966	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1% 100.0%	-1.7% 0.3% -0.2% -0.1% 5.1% 0.0%
Total Emerging Markets         Total International Equities         Weatherlow Offshore       Royalty Opportunities I         Royalty Opportunities II       Total Long Biased         Metropolitan Real Estate Partners       Morrison Street Fund IV         Morrison Street Fund IV       Morrison Street Fund V         Morrison Street Debt Opportunities       Morgan Stanley Prime         Principal (REITs)       Total Real Estate         Contrarian Capital Fund I       Beach Point         Total Opportunistic Credit       OrbiMed II         Total Special Opportunities       Total Cash and Investments	Ltd Partnership Ltd Partnership Ltd Partnership LLC LLC LLC LC REITS Ltd Partnership Ltd Partnership Ltd Partnership Ltd Partnership LLC Ltd Partnership	9,422,662 60,033,603 15,579,094 3,131,687 2,866,533 21,577,314 200,819 356,981 3,985,918 4,139,770 7,251,412 10,072,253 26,007,153 9,727,237 10,597,778 20,325,015 6,271,549 8,774,421 15,045,970 \$ 295,528,197 \$ (2,438,701) \$ 312,182,781 -4.6% 55,435,966 32,242,725	22.0% 7.0% 9.0% 7.0% 0.0% 100.0%	20.3% 7.3% 8.8% 6.9% 5.1% 100.0%	-1.7% 0.3% -0.2% -0.1% 5.1% 0.0% -1.1%

# Cash Recon - Nov 18

Date	Transactions	Sources	Uses	Balance
10/25/2018 B	eginning Balance			741,187.05
10/25/2018	Distribution - Morrison Street V	62,772.87		803,959.92
10/29/2018	Payroll Contributions	706,147.14		1,510,107.06
10/29/2018	Trust Fees		(23,012.95)	1,487,094.11
10/31/2018	October Pension Payments		(2,438,701.02)	(951,606.91)
10/31/2018	Sale - MFS Blended Research (Large Cap)	325,000.00		(626,606.91)
11/1/2018	Distribution - Morrison Street MSDO	99,739.37		(526,867.54)
11/1/2018	Distribution - OrbiMed Royalty Opps	675,494.99		148,627.45
11/1/2018	Interest	1,145.69		149,773.14
11/5/2018	Return/Reissue Pension Check	291.66	(291.66)	149,773.14
11/9/2018	Return/Reissue Pension Checks	2,483.51	(1,827.14)	150,429.51
11/13/2018	Payroll Contributions	703,486.02		853,915.53
11/19/2018	Wire - City Operating Account		(150,000.00)	703,915.53
11/26/2018	Payroll Contributions	709,913.78		1,413,829.31
11/28/2018 E	nding Balance	3,286,475.03	(2,613,832.77)	1,413,829.31
<u>L</u>	Ipcoming			
11/29/2018	Sale - Jackson Square Large Cap Growth	1,110,000.00		
11/30/2018	November Pension Payments		(2,510,915.81)	