



NEWSOUTH CAPITAL MANAGEMENT, INC.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM LEADING EDGE

Performance Summary

	<u>Month-to-Date</u> <u>12/1/18-12/31/18</u>	<u>Quarter-to Date</u> <u>10/1/18-12/31/18</u>	<u>Last 12 Months</u> <u>1/1/18-12/31/18</u>	<u>Annualized</u> <u>Two Years</u> <u>1/1/17-12/31/18</u>	<u>Annualized</u> <u>Three Years</u> <u>1/1/16-12/31/18</u>	<u>Annualized</u> <u>Five Years</u> <u>1/1/14-12/31/18</u>	<u>Annualized</u> <u>Inception-to-Date</u> <u>12/1/10-12/31/18</u>
Beginning Market Value	42,016,270	43,017,032	50,805,008	49,716,046	43,950,500	38,228,888	33,990,029
Net Contributions/(Withdrawals)	0	0	-11,730,000	-18,730,000	-18,730,000	-18,730,000	-32,947,358
Adjusted Beginning Market Value	42,016,270	43,017,032	39,075,008	30,986,046	25,220,500	19,498,888	1,042,671
Ending Market Value	37,293,891	37,293,891	37,293,891	37,293,891	37,293,891	37,293,891	37,293,891
Return From Investment	-4,722,379	-5,723,142	-1,781,117	6,307,845	12,073,391	17,795,003	36,251,220
Total Portfolio Rate of Return	-11.24%	-13.30%	-4.56%	5.97%	8.30%	7.87%	11.57%
Russell Midcap Value w/div.	-10.50%	-14.95%	-12.29%	-0.29%	6.06%	5.44%	9.89%
Russell Midcap w/div.	-9.92%	-15.37%	-9.06%	3.82%	7.04%	6.26%	10.29%
Russell Midcap Growth w/div.	-9.07%	-15.99%	-4.75%	9.23%	8.59%	7.42%	10.83%
S&P Midcap w/div.	-11.32%	-17.28%	-11.08%	1.67%	7.66%	6.03%	10.02%

Performance results are gross of fees.



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Beginning Market Value	42,016,270	43,017,032	50,805,008	49,716,046	43,950,500	38,228,888	33,990,029
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Adjusted Beginning Market Value	42,016,270	43,017,032	39,075,008	30,986,046	25,220,500	19,498,888	1,042,671
Ending Market Value	37,293,891	37,293,891	37,293,891	37,293,891	37,293,891	37,293,891	37,293,891
Return From Investment	-4,722,379	-5,723,142	-1,781,117	6,307,845	12,073,391	17,795,003	36,251,220
Total Portfolio Rate of Return	-11.24%	-13.38%	-4.90%	5.59%	7.92%	7.49%	11.18%
Russell Midcap Value w/div.	-10.50%	-14.95%	-12.29%	-0.29%	6.06%	5.44%	9.89%
Russell Midcap w/div.	-9.92%	-15.37%	-9.06%	3.82%	7.04%	6.26%	10.29%
Russell Midcap Growth w/div.	-9.07%	-15.99%	-4.75%	9.23%	8.59%	7.42%	10.83%
S&P Midcap w/div.	-11.32%	-17.28%	-11.08%	1.67%	7.66%	6.03%	10.02%

Performance results are net of fees.



NEWSOUTH CAPITAL MANAGEMENT, INC.

PORTFOLIO APPRAISAL NEW YORK STATE TEACHERS' RETIREMENT SYSTEM LEADING EDGE December 31, 2018

Quantity	Security	Adj Unit Cost	Total Adjusted Cost	Price	Market Value	Pct. Assets	Cur. Yield
Cash & Equivalents							
	Cash & Equivalents		1,794,083		1,794,083	4.8	2.5
	Dividends Receivable		30,967		30,967	0.1	0.0
			1,825,050		1,825,050	4.9	2.4
Common Stocks							
Technology							
18,900	Amdocs LTD	35.77	676,026	58.58	1,107,162	3.0	1.7
21,800	CGI Group Inc - Class A	33.70	734,647	61.19	1,333,942	3.6	0.0
66,800	Open Text Corp	15.81	1,055,879	32.60	2,177,680	5.8	1.9
			2,466,552		4,618,784	12.4	1.3
Health Care							
10,000	MEDNAX Inc	64.82	648,228	33.00	330,000	0.9	0.0
11,100	Thermo Fisher Scientific Inc	54.95	609,923	223.79	2,484,069	6.7	0.3
			1,258,151		2,814,069	7.5	0.3
Consumer Discretionary & Services							
2,550	Autozone Inc.	373.28	951,872	838.34	2,137,767	5.7	0.0
23,200	Cars.com Inc	17.86	414,376	21.50	498,800	1.3	0.0
69,800	Discovery Inc Cl A	27.55	1,923,146	24.74	1,726,852	4.6	0.0
30,500	Dish Network Corp Class A	38.75	1,181,909	24.97	761,585	2.0	0.0
106,100	Hanesbrands Inc.	18.95	2,010,634	12.53	1,329,433	3.6	4.8
46,200	Liberty SiriusXM Group	39.98	1,846,853	36.98	1,708,476	4.6	0.0
48,400	LKQ Corp	29.78	1,441,171	23.73	1,148,532	3.1	0.0
61,500	Nielsen Holdings PLC	26.31	1,617,887	23.33	1,434,795	3.8	6.0
60,200	Qurate Retail Inc	15.51	933,788	19.52	1,175,104	3.2	0.0
31,500	Service Corp International	8.68	273,571	40.26	1,268,190	3.4	1.7
120,500	TEGNA Inc	11.50	1,385,706	10.87	1,309,835	3.5	2.6
			13,980,915		14,499,369	38.9	1.4



NEWSOUTH CAPITAL MANAGEMENT, INC.

PORTFOLIO APPRAISAL
NEW YORK STATE TEACHERS' RETIREMENT SYSTEM
LEADING EDGE
December 31, 2018

<u>Quantity</u>	<u>Security</u>	<u>Adj Unit Cost</u>	<u>Total Adjusted Cost</u>	<u>Price</u>	<u>Market Value</u>	<u>Pct. Assets</u>	<u>Cur. Yield</u>
Materials & Processing							
17,700	FMC Corp	46.15	816,876	73.96	1,309,092	3.5	2.2
			816,876		1,309,092	3.5	2.2
Producer Durables							
8,300	FedEx Corp.	131.86	1,094,423	161.33	1,339,039	3.6	1.6
20,500	MSC Industrial Direct Co-A	67.42	1,382,086	76.92	1,576,860	4.2	3.3
12,300	Stanley Black & Decker	77.43	952,383	119.74	1,472,802	3.9	2.2
19,600	Xylem Inc	24.37	477,650	66.72	1,307,712	3.5	1.3
17,800	Zebra Technologies Corp Cl A	88.45	1,574,443	159.23	2,834,294	7.6	0.0
			5,480,985		8,530,707	22.9	1.4
Financial Services							
31,400	Brookfield Asset Mgmt Inc. Class A	20.27	636,535	38.35	1,204,190	3.2	1.6
17,800	Fiserv Inc	15.62	277,954	73.49	1,308,122	3.5	0.0
7,800	Willis Towers Watson PLC	90.20	703,568	151.86	1,184,508	3.2	1.6
			1,618,057		3,696,820	9.9	1.0
	Common Stocks Total		25,621,537		35,468,841	95.1	1.3
TOTAL PORTFOLIO			27,446,586		37,293,891	100.0	1.4



NEWSOUTH CAPITAL MANAGEMENT, INC.

CONTRIBUTIONS/WITHDRAWALS NEW YORK STATE TEACHERS' RETIREMENT SYSTEM LEADING EDGE

From 12-01-2018 To 12-31-2018

<u>Tran Code</u>	<u>Trade Date</u>	<u>Settle Date</u>	<u>Security</u>	<u>Amount</u>	<u>Quantity</u>	<u>Broker Code</u>	<u>Commission</u>
CONTRIBUTIONS				0			
WITHDRAWALS				0			
EXPENSE ACCOUNTS				0			
AFTER FEE PERFORMANCE EXPENSE ACCOUNTS				0			
PORTFOLIO NET TOTAL				0			
EXPENSE ACCOUNTS PAID BY CLIENT				0			
AFTER FEE PERFORMANCE EXPENSE ACCOUNTS PAID BY CLIENT				0			
GRAND TOTAL				0			



NEWSOUTH CAPITAL MANAGEMENT, INC.

PURCHASE AND SALE NEW YORK STATE TEACHERS' RETIREMENT SYSTEM LEADING EDGE

From 12-01-2018 To 12-31-2018

Trade Date	Settle Date	Quantity	Security	Unit Price	Amount
PURCHASES					
12-10-2018	12-12-2018	1,900	FedEx Corp.	194.25	369,074
12-17-2018	12-19-2018	2,000	FMC Corp	77.07	154,145
12-28-2018	01-02-2019	14,900	Hanesbrands Inc.	12.28	182,972
12-13-2018	12-17-2018	2,465.000	iShares - Russell Midcap Value	82.13	202,448
12-26-2018	12-28-2018	1,215.000	iShares - Russell Midcap Value	72.91	88,585
12-04-2018	12-06-2018	23,210	Liberty SiriusXM Group	40.04	929,403
					<u>1,926,627</u>
SALES					
12-28-2018	01-02-2019	3,680.000	iShares - Russell Midcap Value	75.72	278,658
12-10-2018	12-12-2018	2,600	Shire PLC ADR	170.17	442,434
12-11-2018	12-13-2018	4,645	Shire PLC ADR	169.67	788,106
12-12-2018	12-14-2018	4,655	Shire PLC ADR	172.16	801,382
12-04-2018	12-06-2018	147,020	Sirius XM Holdings Inc.	6.24	917,805
					<u>3,228,384</u>



NEWSOUTH CAPITAL MANAGEMENT, INC.

COMMISSIONS BY PORTFOLIO NEW YORK STATE TEACHERS' RETIREMENT SYSTEM LEADING EDGE

From 12-01-18 To 12-31-18

Date	Tran Code	Security	Quantity	Dollar Amount	Commission	Commiss. Per Shr	As % of Trade	Broker
12-10-18	by	FedEx Corp.	1,900	369,074.05	38.00	0.02	0.01%	BTIG Inc
12-10-18	sl	Shire PLC ADR	2,600	442,434.42	52.00	0.02	0.01%	BTIG Inc
12-11-18	sl	Shire PLC ADR	4,645	788,105.51	92.90	0.02	0.01%	BTIG Inc
12-12-18	sl	Shire PLC ADR	4,655	801,382.28	93.10	0.02	0.01%	BTIG Inc
12-13-18	by	iShares - Russell Midcap Value	2,465.000	202,448.48	49.30	0.02	0.02%	BTIG Inc
12-26-18	by	iShares - Russell Midcap Value	1,215.000	88,585.41	24.30	0.02	0.03%	BTIG Inc
12-28-18	sl	iShares - Russell Midcap Value	3,680.000	278,657.75	73.60	0.02	0.03%	BTIG Inc
TOTAL			21,160.00	2,970,687.90	423.20	0.02	0.01%	
12-04-18	by	Liberty SiriusXM Group	23,210	929,402.67	464.20	0.02	0.05%	Cantor Fitzgerald
12-04-18	sl	Sirius XM Holdings Inc.	147,020	917,804.50	1,470.20	0.01	0.16%	Cantor Fitzgerald
12-17-18	by	FMC Corp	2,000	154,144.60	40.00	0.02	0.03%	Cantor Fitzgerald
12-28-18	by	Hanesbrands Inc.	14,900	182,972.00	149.00	0.01	0.08%	Cantor Fitzgerald
TOTAL			187,130.00	2,184,323.77	2,123.40	0.01	0.10%	
GRAND TOTAL			208,290	5,155,011.67	2,546.60	0.01	0.05%	

LEADING EDGE INVESTMENT ADVISORS, LLC
Brokerage / Commission Report

Manager Name:

NewSouth Capital Management, Inc.

For the Period Ending: December 31, 2018
Length of Period: Monthly

Client Name	Executing Broker	Total Commissions	Shares	Soft Dollars Yes or No	Recapture Yes or No	Minority Yes or No	Client Directed Yes or No	Cents per Share
New York State Teachers'	FBTIG Inc.	423.20	21,160	No	No	No	No	0.01
	Cantor Fitzgerald	2,123.40	187,130	No	No	No	No	0.01
TOTAL CLIENT		\$ 2,546.60	208,290					0.01

*Note - Research or Administrative
**Note - If other than the broker executing the trade.

Soft Dollar Commissions Only!					
Purpose*	Vendor**	Product	Hard Dollar Cost of Service	Soft Dollar Equivalent	28(e) Compliant Yes or No

Attribution Summary
NEW YORK STATE TEACHERS' RETIREMENT SYSTEM vs. Russell Midcap Value w/ div.
Net of Fees
From 11-30-18 to 12-31-18

Summary	
Portfolio Return	-11.24
Benchmark Return	-10.50
Active Return	-0.74
Allocation Effect	-0.43
Selection Effect	-0.31
Total Effect	-0.74

Largest Weights			
Security	Avg Wgt	Return	Contrib
Zebra Technologies Corp Cl A	7.47	-11.44	-0.86
Thermo Fisher Scientific Inc	6.60	-10.26	-0.68
Open Text Corp	5.67	-4.98	-0.27
Autozone Inc.	5.58	3.62	0.15
Discovery Inc Cl A	4.88	-19.47	-1.00
Total	30.20	-2.65	-2.65

Industry Sector							
Top Attribution Effects	Allocation	Selection	Total	Bottom Attribution Effects	Allocation	Selection	Total
Technology	-0.01	0.55	0.55	Consumer Discretionary & Services	-0.20	-0.75	-0.95
Energy	0.48	0.00	0.48	Utilities	-0.69	0.00	-0.69
Cash & Equivalents	0.27	0.00	0.27	Producer Durables	-0.20	-0.39	-0.59
Financial Services	-0.06	0.20	0.14	Materials & Processing	-0.02	-0.01	-0.03
Health Care	-0.01	0.13	0.12	Consumer Staples	-0.03	0.00	-0.03
Total	0.67	0.88	1.55	Total	-1.14	-1.15	-2.29

Top Contributors	Avg Wgt	Return	Contrib
Cash & Equivalents	3.39	0.17	0.00
Other	0.28	-7.53	-0.03
Materials & Processing	3.30	-10.10	-0.33
Technology	12.05	-5.83	-0.67
Financial Services	9.76	-8.15	-0.78
Total	28.78	-1.80	-1.80

Bottom Contributors	Avg Wgt	Return	Contrib
Consumer Discretionary & Services	39.39	-13.18	-5.28
Producer Durables	22.48	-14.01	-3.17
Health Care	9.35	-10.68	-0.98
Financial Services	9.76	-8.15	-0.78
Technology	12.05	-5.83	-0.67
Total	93.02	-10.89	-10.89

Security							
Top Attribution Effects	Allocation	Selection	Total	Bottom Attribution Effects	Allocation	Selection	Total
Autozone Inc.	0.68	0.00	0.68	FedEx Corp.	0.37	-1.10	-0.73
Open Text Corp	0.56	-0.26	0.30	Discovery Inc Cl A	-0.45	0.00	-0.45
Cash & Equivalents	0.26	0.00	0.27	Hanesbrands Inc.	0.33	-0.69	-0.36
CGI Group Inc - Class A	0.34	-0.13	0.21	Dish Network Corp Class A	-0.29	0.00	-0.29
Willis Towers Watson PLC	0.15	0.00	0.15	TEGNA Inc	0.39	-0.66	-0.28
Total	2.01	-0.40	1.61	Total	0.34	-2.46	-2.11

Top Contributors	Avg Wgt	Return	Contrib
Autozone Inc.	5.58	3.62	0.15
Sirius XM Holdings Inc.	0.28	0.20	0.00
Cash & Equivalents	3.30	0.20	0.00
Dividends Receivable	0.10	0.00	0.00
iShares - Russell Midcap Value	0.28	-7.53	-0.03
Total	9.54	0.13	0.13

Bottom Contributors	Avg Wgt	Return	Contrib
FedEx Corp.	3.64	-28.76	-1.17
Discovery Inc Cl A	4.88	-19.47	-1.00
Zebra Technologies Corp Cl A	7.47	-11.44	-0.86
Hanesbrands Inc.	3.27	-21.24	-0.72
TEGNA Inc	3.72	-17.76	-0.69
Total	22.98	-4.43	-4.43

Attribution by Industry Sector
NEW YORK STATE TEACHERS' RETIREMENT SYSTEM vs. Russell Midcap Value w/div.
Net of Fees
From 11-30-18 to 12-31-18

Industry Sector	Portfolio			Benchmark			Difference			Attribution Effects		
	Avg Wgt	Return	Contrib	Avg Wgt	Return	Contrib	Avg Wgt	Return	Contrib	Alloc	Select	Total
Cash & Equivalents	3.39	0.17	0.00	0.00	0.00	0.00	3.39	0.17	0.00	0.27	0.00	0.27
Technology	12.05	-5.83	-0.67	6.64	-10.56	-0.71	5.41	4.72	0.04	-0.01	0.55	0.55
Health Care	9.35	-10.68	-0.98	6.75	-11.84	-0.80	2.60	1.15	-0.18	-0.01	0.13	0.12
Consumer Discretionary & Services	39.39	-13.18	-5.28	11.68	-11.19	-1.31	27.71	-2.00	-3.97	-0.20	-0.75	-0.95
Consumer Staples	0.00	0.00	0.00	5.11	-9.96	-0.51	-5.11	9.96	0.51	-0.03	0.00	-0.03
Energy	0.00	0.00	0.00	6.23	-17.85	-1.17	-6.23	17.85	1.17	0.48	0.00	0.48
Materials & Processing	3.30	-10.10	-0.33	7.00	-9.83	-0.68	-3.70	-0.27	0.35	-0.02	-0.01	-0.03
Producer Durables	22.48	-14.01	-3.17	10.57	-12.28	-1.31	11.91	-1.73	-1.86	-0.20	-0.39	-0.59
Financial Services	9.76	-8.15	-0.78	33.56	-10.24	-3.41	-23.80	2.09	2.64	-0.06	0.20	0.14
Utilities	0.00	0.00	0.00	12.46	-4.60	-0.59	-12.46	4.60	0.59	-0.69	0.00	-0.69
Other	0.28	-7.53	-0.03	0.00	0.00	0.00	0.28	-7.53	-0.03	0.03	-0.03	0.00
Total	100.00	-11.24	-11.24	100.00	-10.50	-10.50	0.00	-0.74	-0.74	-0.43	-0.31	-0.74

