

Kentucky Retirement Systems					
Domestic Equity - Common Stock Commissions					
Quarter Ended September 30, 2016					

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
BAIRD, ROBERT W & CO INC, MILWAUKEE	192,705.00	6,445.35	6,673,215.62	0.0334	0.0966%
BARCLAYS CAPITAL LE, JERSEY CITY	179,664.00	5,102.38	6,714,013.14	0.0284	0.0760%
BERNSTEIN SANFORD C & CO, NEW YORK	32,629.00	957.08	2,089,485.01	0.0293	0.0458%
BMO CAPITAL MARKETS CORP, NEW YORK	7,070.00	282.80	754,706.95	0.0400	0.0375%
BTIG LLC, SAN FRANCISCO	1,592.00	39.80	27,182.80	0.0250	0.1464%
BUCKINGHAM RESEARCH GRP INC, BROOKLYN	10,960.00	328.80	132,632.83	0.0300	0.2479%
CANTOR FITZGERALD & CO INC, NEW YORK	15,237.00	380.96	480,476.16	0.0250	0.0793%
CITIGROUP GBL MKTS INC, NEW YORK	83,105.00	912.34	1,554,992.13	0.0110	0.0587%
CITIGROUP GBL MKTS/SALOMON, NEW YORK	16.00	1,348.05	1,049,774.87	84.2531	0.1284%
COWEN AND COMPANY LLC, NEW YORK	20,150.00	718.30	380,769.90	0.0356	0.1886%
CREDIT SUISSE, NEW YORK (CSUS)	147,162.00	3,701.33	8,058,394.56	0.0252	0.0459%
DEUTSCHE BK SECS INC, NY (NWSCUS33)	160,604.00	4,599.29	2,583,874.52	0.0286	0.1780%
FBR CAPITAL MARKETS & CO, ARLINGTON	49,137.00	1,882.61	1,041,440.48	0.0383	0.1808%
GOLDMAN SACHS & CO, NY	203,697.00	6,822.16	8,627,802.57	0.0335	0.0791%
INSTINET CORP, NY	948,993.00	14,513.72	36,037,048.53	0.0153	0.0403%
INVESTMENT TECHNOLOGY GROUP, NEW YORK	2,235,344.00	30,869.45	72,173,412.06	0.0138	0.0428%
ISI GROUP INC, NY	116,122.00	3,797.04	3,295,634.67	0.0327	0.1152%
ITG INC, NY	848,059.00	8,480.59	21,371,451.07	0.0100	0.0397%
J P MORGAN SECURITIES INC, BROOKLYN	124,338.00	2,463.88	5,106,212.06	0.0198	0.0483%
JONESTRADING INSTL SVCS LLC, WESTLAKE	28,523.00	855.69	1,085,718.91	0.0300	0.0788%
KEYBANC CAPITAL MARKETS INC, JERSEY CITY	43,040.00	1,721.60	2,177,140.55	0.0400	0.0791%
KNIGHT EQUITY MARKETS L.P.,JERSEY CITY	166,616.00	4,998.48	12,246,712.79	0.0300	0.0408%
LIQUIDNET INC, NEW YORK	2,777,830.00	40,044.86	84,255,983.33	0.0144	0.0475%
MERRILL LYNCH PIERCE FENNER SMITH INC NY	260,306.00	5,891.94	14,427,004.17	0.0226	0.0408%
MERRILL LYNCH PROFESSIONAL CLRG, PURCHAS	9,580.00	383.20	496,667.69	0.0400	0.0772%
MORGAN STANLEY & CO INC, NY	134,227.00	5,676.29	1,960,968.34	0.0423	0.2895%
NEEDHAM AND COMPANY LLC, JERSEY CITY	690.00	20.70	39,935.15	0.0300	0.0518%
RAYMOND JAMES & ASSOC INC, ST PETERSBURG	109,619.00	3,013.94	4,456,184.18	0.0275	0.0676%
RBC CAPITAL MARKETS LLC, NEW YORK	69,705.00	2,293.85	1,910,324.11	0.0329	0.1201%
STATE STREET BROKERAGE SVCS, BOSTON	135,405.00	1,844.45	4,970,416.87	0.0136	0.0371%
STIFEL NICOLAUS	11,925.00	357.75	154,429.46	0.0300	0.2317%
SUNTRUST CAPITAL MARKETS INC, ATLANTA	59,365.00	2,206.15	1,878,353.33	0.0372	0.1175%
UBS SECURITIES LLC, STAMFORD	5,034,824.00	36,269.54	314,121,990.50	0.0072	0.0115%
WEDBUSH MORGAN SECS INC, LOS ANGELES	27,400.00	1,096.00	1,189,757.32	0.0400	0.0921%
WEEDEN & CO, NEW YORK	72,706.00	1,358.35	2,957,855.91	0.0187	0.0459%
WELLS FARGO SECURITIES LLC, CHARLOTTE	188,083.00	5,291.73	5,118,419.46	0.0281	0.1034%
SANDLER O'NEILL & PARTNERS LP, NEW YORK	24,220.00	726.60	450,809.81	0.0300	0.1612%
STERNE AGEE & LEACH INC	1,765.00	52.95	11,384.25	0.0300	0.4651%
CONVERGE LLC, NEW YORK	5,180.00	103.60	388,004.09	0.0200	0.0267%
MISCHLER FINL/EQUITIES, CORONA DELMAR	9,260.00	277.80	776,747.32	0.0300	0.0358%
BREAN CAPITAL LLC, JERSEY CITY	26,840.00	1,073.60	1,161,994.86	0.0400	0.0924%
BROADCORT CAPITAL CORP FI, NEW YORK	22,990.00	919.60	1,881,248.71	0.0400	0.0489%
LEERINK SWANN & CO, JERSEY CITY	8,500.00	340.00	960,201.95	0.0400	0.0354%
MERRILL LYNCH INTL LONDON EQUITIES	115.00	1.15	1,914.75	0.0100	0.0601%
ABEL NOSER CORP, NEW YORK	1,904,095.00	17,137.20	51,139,574.73	0.0090	0.0335%
JANNEY MONTGOMERY SCOTT, PHILADELPHIA	12,150.00	486.00	210,943.15	0.0400	0.2304%
TOTAL DOMESTIC	16,521,543	228,089	688,583,206	0.0138	0.0331%

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
MANULIFE ASSET MGMT	-	1,342.88	-	0.0000	0.0000%
NTGI STRUCTURED	848,190.00	9,829.79	22,423,140.69	0.0116	0.0438%
RIVER ROAD	951,882.00	21,071.76	48,034,543.71	0.0221	0.0439%
S&P 500 INDEX	4,840,769.00	30,514.49	310,323,856.78	0.0063	0.0098%
SYSTEMATIC	8,082,141.00	114,177.61	225,488,175.34	0.0141	0.0506%

TORTOISE CAP	300,779.00	3,866.63	9,351,458.22	0.0129	0.0413%
WESTFIELD CAPITAL	1,494,452.00	47,252.49	72,581,990.61	0.0316	0.0651%
WARBURG PINCUS PE X	3,330.00	33.30	380,040.27	0.0100	0.0088%
TOTAL DOMESTIC	16,521,543	228,089	688,583,206	0.0138	0.0331%

Kentucky Retirement Systems
Global Equity - Common Stock Commissions
Quarter Ended September 30, 2016

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
BARCLAYS CAPITAL, LONDON (BARCGB33)	177,770.00	4,001.40	3,654,128.58	0.0225	0.1095%
BERNSTEIN SANFORD C & CO, NEW YORK	501,900.00	4,000.20	20,961,440.89	0.0080	0.0191%
BNP PARIBAS PEREGRINE SEC LTD, HONG KONG	32,600.00	1,939.07	1,617,845.00	0.0595	0.1199%
BNP PARIBAS SEC SVCS, LONDON (PARBGB2L)	19,697.00	494.45	411,554.23	0.0251	0.1201%
CITIGROUP GBL MKTS INC, NEW YORK	260,561.00	2,084.49	11,623,622.50	0.0080	0.0179%
CITIGROUP GBL MKTS/SALOMON, NEW YORK	1,633,138.00	14,350.81	18,674,215.76	0.0088	0.0768%
CITIGROUP GLOBAL MARKETS LTD, LONDON	1,162,364.00	11,393.55	8,653,501.70	0.0098	0.1317%
CLSA AUSTRALIA PTY LTD, SYDNEY	31,612.00	1,058.63	529,556.80	0.0335	0.1999%
CREDIT LYONNAIS SECS, SINGAPORE	26,000.00	888.10	740,972.65	0.0342	0.1199%
CREDIT SUISSE (EUROPE), LONDON	58,456.00	15,145.84	10,244,386.92	0.2591	0.1478%
CREDIT SUISSE (EUROPE), SEOUL	120.00	3.06	6,141.92	0.0255	0.0498%
CREDIT SUISSE, NEW YORK (CSUS)	1,486,399.00	6,439.11	21,300,300.39	0.0043	0.0302%
DAIWA SECS AMER INC, NEW YORK	381,800.00	8,340.59	8,340,257.96	0.0218	0.1000%
DEUTSCHE BK SECS INC, NY (NWSCUS33)	381,217.00	8,981.37	11,590,950.04	0.0236	0.0775%
EXANE, PARIS (EXANFRPP)	270,598.00	3,571.70	5,949,273.87	0.0132	0.0600%
GOLDMAN SACHS & CO, NY	600,460.00	8,224.68	14,735,159.38	0.0137	0.0558%
HSBC BANK PLC (MIDLAND BK)(JAC), LONDON	117,700.00	433.69	1,453,266.98	0.0037	0.0298%
INSTINET EUROPE LIMITED, LONDON	103,100.00	307.11	1,023,581.02	0.0030	0.0300%
INVESTMENT TECHNOLOGY GROUP LTD,DUBLIN	867,866.00	15,154.40	14,186,225.72	0.0175	0.1068%
ITG AUSTRALIA LTD, MELBOURNE	89,661.00	1,244.42	1,552,118.67	0.0139	0.0802%
ITG CANADA CORP, TORONTO	6,000.00	45.36	125,539.82	0.0076	0.0361%
ITG HONG KONG LIMITED, HONG KONG	118,000.00	2.39	5,966.55	0.0000	0.0401%
J P MORGAN SEC, SYDNEY	12,000.00	1,259.05	1,143,333.32	0.1049	0.1101%
J P MORGAN SECS LTD, LONDON	282,725.00	16,808.95	13,583,446.19	0.0595	0.1237%
J.P. MORGAN CLEARING CORP, NEW YORK	146,095.00	3,385.76	4,258,403.25	0.0232	0.0795%
JEFFERIES & CO INC, NEW YORK	91,654.00	3,969.22	4,100,438.46	0.0433	0.0968%
JPMORGAN SECURITIES INC, NEW YORK	626,000.00	7,600.75	3,809,207.87	0.0121	0.1995%
LIQUIDNET EUROPE LIMITED, LONDON	3,461.00	409.02	583,887.54	0.1182	0.0701%
LIQUIDNET INC, NEW YORK	10,155.00	152.34	835,883.33	0.0150	0.0182%
MACQUARIE BANK LIMITED, SYDNEY	50,784.00	940.15	583,410.96	0.0185	0.1611%
MERRILL LYNCH INTL LONDON EQUITIES	9,144,586.00	19,199.84	24,137,721.50	0.0021	0.0795%
MERRILL LYNCH PIERCE FENNER SMITH INC NY	53,324.00	425.93	7,723,238.48	0.0080	0.0055%
MERRILL LYNCH PIERCE FENNER, WILMINGTON	52,509,900.00	227.28	454,317.46	0.0000	0.0500%
MERRILL LYNCH, SYDNEY	22,906.00	315.64	263,626.78	0.0138	0.1197%
MIZUHO SECURITIES USA INC. NEW YORK	345,700.00	5,931.17	5,925,237.73	0.0172	0.1001%
MORGAN STANLEY & CO INC, NY	1,822,087.00	19,195.66	29,831,160.26	0.0105	0.0643%
NESBITT BURNS, TORONTO (NTDT)	8,940.00	204.80	426,296.41	0.0229	0.0480%
RBC DOMINION SECS INC, TORONTO (DOMA)	289,558.00	6,852.30	9,513,546.43	0.0237	0.0720%
REDBURN PARTNERS LLP, LONDON	566,482.00	17,808.81	16,948,668.84	0.0314	0.1051%
SANFORD C BERNSTEIN & CO INC, LONDON	193,346.00	6,625.27	6,676,605.33	0.0343	0.0992%
SCOTIA CAPITAL MKTS, TORONTO	56,300.00	1,559.31	1,246,597.71	0.0277	0.1251%
SG SEC (LONDON) LTD, LONDON	32,366.00	1,923.90	1,865,468.94	0.0594	0.1031%
UBS WARBURG ASIA LTD, HONG KONG	6,749,800.00	1,665.97	3,330,699.30	0.0002	0.0500%
UBS WARBURG, LONDON	196,144.00	10,123.85	8,805,016.42	0.0516	0.1150%
JEFFERIES & CO LTD, LONDON	12,500.00	675.57	563,658.93	0.0540	0.1199%
KEPLER EQUITIES, PARIS	36,750.00	8,943.89	7,477,090.43	0.2434	0.1196%
SMBC SECURITIES, INC NEW YORK	85,800.00	1,491.77	1,428,743.28	0.0174	0.1044%
AUTONOMOUS LLP, LONDON	54,548.00	1,983.86	1,610,431.23	0.0364	0.1232%
DEUTSCHE MORGAN GRENFELL SEC, SYDNEY	12,000.00	1,369.39	1,243,534.89	0.1141	0.1101%

NATIONAL FINL SVCS CORP, NEW YORK	140,000.00	2,126.49	3,479,239.61	0.0152	0.0611%
UBS SECURITIES LLC, STAMFORD	6,713.00	268.52	540,962.32	0.0400	0.0496%
S G WARBURG, SEOUL	20,100.00	521.30	1,043,135.45	0.0259	0.0500%
DAVY STOCKBROKERS, DUBLIN	6,897.00	465.28	608,739.72	0.0675	0.0764%
LIQUIDNET CANADA INC, TORONTO	96,300.00	1,458.82	4,390,473.46	0.0151	0.0332%
NOMURA SECS INTL INC, NEW YORK	99,700.00	4,401.11	3,668,827.13	0.0441	0.1200%
ROYAL BANK OF CANADA EUROPE LTD, LONDON	15,550.00	1,484.48	1,483,002.54	0.0955	0.1001%
BARCLAYS CAPITAL INC./LE, NEW JERSEY	235,680.00	1,885.44	9,751,862.44	0.0080	0.0193%
BERENBERG GOSSLER & CIE, HAMBURG	370,627.00	3,365.72	2,801,401.26	0.0091	0.1201%
SOCIETE GENERALE LONDON BRANCH, LONDON	550,691.00	7,608.61	10,875,053.91	0.0138	0.0700%
BANK J VONTOBEL & CO LTD, ZURICH	24,023.00	2,099.98	1,889,239.14	0.0874	0.1112%
CITATION GROUP/BCC CLRG, NEW YORK	24,640.00	660.80	2,059,523.01	0.0268	0.0321%
MITSUBISHI UFJ SECS INTL PLC, LONDON	15,200.00	339.31	332,449.42	0.0223	0.1021%
BNP PARIBAS SEC SRVS SA, SINGAPORE	7,382.00	262.74	328,193.24	0.0356	0.0801%
GOLDMAN SACHS DO BRASIL, SAO PAULO	296,000.00	3,606.67	1,807,528.96	0.0122	0.1995%
BNY CONVERGEX EXECUTION SOL, NEW YORK	273,000.00	5,823.34	8,317,766.16	0.0213	0.0700%
CITIBANK NA, LONDON	20,700.00	463.70	451,925.56	0.0224	0.1026%
BNP PARIBAS SECS SRVS, SYDNEY	53,749.00	505.77	631,816.33	0.0094	0.0801%
HSBC BANK PLC (MIDLAND BK)(XXX), LONDON	89,106.00	305.53	153,068.65	0.0034	0.1996%
TOTAL GLOBAL	84,088,988	286,807	370,363,887	0.0034	0.0774%

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
AMERICAN CENTURY	7,377,524.00	102,955.21	169,015,115.83	0.0140	0.0609%
FRANKIN TEMPLETON	9,633,705.00	79,616.36	70,074,849.96	0.0083	0.1136%
LAZARD ASSET MGMT	5,363,437.00	94,378.32	110,016,303.11	0.0176	0.0858%
LSV ASSET MANAGEMENT	59,234,602.00	7,183.51	15,514,563.54	0.0001	0.0463%
LSV ASSET MGMT	2,479,720.00	2,674.08	5,743,054.49	0.0011	0.0466%
TOTAL GLOBAL	84,088,988	286,807	370,363,887	0.0034	0.0774%