

Annual Statement

**OF THE FINANCIAL CONDITION
OF THE NORTHAMPTON RETIREMENT BOARD
TO THE PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION COMMISSION
FOR THE YEAR ENDED 12/31/2017**

Annual Statement for the Year Ended December 31, 2017 of the conditions and Affairs of the Northampton Retirement Board.

Organized Under the Laws of the Commonwealth of Massachusetts to the Public Employee Retirement Administration Commission.

Date of Certificate 07/01/1937

Effective Date 07/01/1937

ADMINISTRATION OFFICE

240 Main Street, Room Five
Street & Number

Northampton, MA 01060
City/Town, State and Zip Code

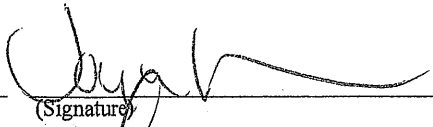
(413) 587-1211
Telephone Number

We, the undersigned, members of the Northampton Retirement Board certify under penalties of perjury, that that we are the official board members of said retirement system, and that on the thirty-first date of December last, all of the herein-described assets were the absolute property of said retirement system, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all of the assets, liabilities, income and disbursements, changes in fund balances, and the conditions and affairs of said retirement system on the said thirty-first date of December last, and for the year ended on that date, according to the best of our information, knowledge, and belief respectively.

Board Of Retirement

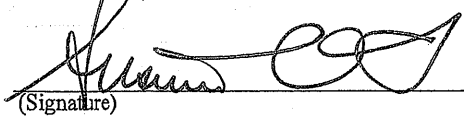
Ex-Officio Member

Joyce E. Karpinski
(Name)


(Signature)

Appointed Member

Susan L. Wright
(Name)


(Signature)

Elected Member

Term Expires 06/30/2017

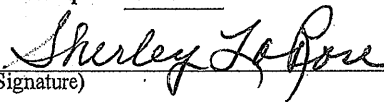
Michael J. Lyons
(Name)


(Signature)

Elected Member

Term Expires 06/30/2019

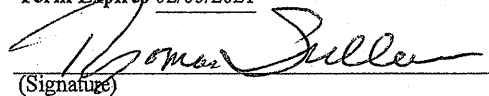
Shirley A. LaRose
(Name)


(Signature)

Member Appointed by Other Members

Term Expires 02/05/2021

Thomas F. Sullivan
(Name)


(Signature)

Investment Managers

The de Burlo Group, Inc.

50 Federal Street, Boston, MA 02110

Investment Consultant

The de Burlo Group, Inc.

50 Federal Street, Boston, MA 02110

Custodian

Peoples' United Bank

240 Cabot Street, Beverly, MA 01915

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We, the undersigned, members of the Northampton Retirement Board certify under penalties of perjury, that that we are the official board members of said retirement system, and that on the thirty-first date of December last, all of the herein-described assets were the absolute property of said retirement system, free and clear from any liens or claims thereon, except as stated, and the following statements, with the schedules and explanations therein contained, annexed, or referred to, are a full and correct exhibit of all of the assets, liabilities, income and disbursements, changes in fund balances, and the conditions and affairs of said retirement system on the said thirty-first date of December last, and for the year ended on that date, according to the best of our information, knowledge, and belief respectively.

Board Of Retirement	Ex-Officio Member	
	Joyce E. Karpinski	
	(Name)	(Signature)
	Appointed Member	
	Susan L. Wright	
	(Name)	(Signature)
	Elected Member	Term Expires <u>06/30/2017</u>
	Michael J. Lyons	
	(Name)	(Signature)
	Elected Member	Term Expires <u>06/30/2019</u>
	Shirley A. LaRose	
	(Name)	(Signature)
	Member Appointed by Other Members	Term Expires <u>02/05/2021</u>
	Thomas F. Sullivan	
	(Name)	(Signature)
Investment Managers	<u>The de Burlo Group, Inc.</u>	<u>50 Federal Street, Boston, MA 02110</u>
Investment Consultant	<u>The de Burlo Group, Inc.</u>	<u>50 Federal Street, Boston, MA 02110</u>
Custodian	<u>Peoples' United Bank</u>	<u>240 Cabot Street, Beverly, MA 01915</u>

ANNUAL STATEMENT BALANCE TESTS

1. ASSET BALANCE

Assets Previous Year	106,497,333.35
Income Current Year	31,382,752.03
Disbursements Current Year	11,797,742.23
Assets Current Year	126,082,343.15

2. ASSET DIFFERENCE

Assets Current Year	126,082,343.15
Assets Previous Year	106,497,333.35
Difference	19,585,009.80

3. INCOME DIFFERENCE

Income Current Year	31,382,752.03
Disbursements Current Year	11,797,742.23
Difference	19,585,009.80

4. FUND CHANGE DIFFERENCE

Total Fund Change Credits Current Year	36,639,888.68
Total Fund Change Debits Current Year	-17,054,878.88
Difference	19,585,009.80

Note: The difference as a result of tests 2, 3 and 4 should be the same.

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

ASSETS & LIABILITIES

	2017	2016	2015
1. 1040 Cash	296,012.33	915,852.45	1,593,680.66
2. 1100 Short Term Investments	6,494,261.95	0.00	0.00
3. 1180 Fixed Income Securities	39,184,441.88	38,212,450.20	41,225,186.54
4. 1170 Equities	79,185,454.00	66,392,311.00	65,492,462.00
5. 1101 Pooled Short Term Funds	0.00	0.00	0.00
6. 1172 Pooled Domestic Equity Funds	0.00	0.00	0.00
7. 1173 Pooled International Equity Funds	0.00	0.00	0.00
8. 1174 Pooled Global Equity Funds	0.00	0.00	0.00
9. 1181 Pooled Domestic Fixed Income Funds	0.00	0.00	0.00
10. 1182 Pooled International Fixed Income Funds	0.00	0.00	0.00
11. 1183 Pooled Global Fixed Income Funds	0.00	0.00	0.00
12. 1193 Pooled Alternative Investments	625,599.51	714,318.37	758,848.80
13. 1194 Pooled Real Estate Funds	0.00	0.00	0.00
14. 1195 Pooled Domestic Balanced Funds	0.00	0.00	0.00
15. 1196 Pooled International Balanced Funds	0.00	0.00	0.00
16. 1197 Hedge Funds	0.00	0.00	875,836.27
17. 1198 PRIT Cash	0.00	0.00	0.00
18. 1199 PRIT Fund	0.00	0.00	0.00
19. 1550 Interest Due and Accrued	301,637.91	297,149.74	216,471.77
20. 1350 Prepaid Expenses	0.00	0.00	0.00
21. 1398 Accounts Receivable (A)	32,791.04	5,625.73	46,471.72
22. 1910 Land	0.00	0.00	0.00
23. 1920 Buildings	0.00	0.00	0.00
24. 1929 Accumulated Depreciation – Buildings	0.00	0.00	0.00
25. 2020 Accounts Payable (A)	(-37,855.47)	(-40,374.14)	(-212,444.23)
TOTAL	126,082,343.15	106,497,333.35	109,996,513.53
FUNDS			
1. 3293 Annuity Savings Fund	24,657,035.04	24,624,814.59	24,679,394.29
2. 3294 Annuity Reserve Fund	11,146,684.18	10,331,004.70	9,671,855.19
3. 3295 Military Service Fund	2,563.70	2,561.14	3,397.33
4. 3296 Pension Fund	1,171,161.37	651,303.23	633,469.87
5. 3298 Expense Fund	0.00	0.00	0.00
6. 3297 Pension Reserve Fund	89,104,898.86	70,887,649.69	75,008,396.85
TOTAL ASSETS AT MARKET VALUE	126,082,343.15	106,497,333.35	109,996,513.53

(A) Specific details for Accounts Receivable and Accounts Payable are to be disclosed on Schedule A

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

	Balance Dec. 31 Prior year	Receipts	Interfund Transfers	Disbursements	Balance Dec.31 Current Year
Annuity Savings Fund	24,624,814.59	2,976,945.09	-2,243,140.91	-701,583.73	24,657,035.04
Annuity Reserve Fund	10,331,004.70	322,524.78	2,227,466.65	-1,734,311.95	11,146,684.18
Pension Fund	651,303.23	6,256,486.52	3,029,670.00	-8,766,298.38	1,171,161.37
Military Service Fund	2,561.14	2.56	0.00	0.00	2,563.70
Expense Fund	0.00	595,548.17	0.00	-595,548.17	0.00
Pension Reserve Fund	70,887,649.69	21,231,244.91	-3,013,995.74	0.00	89,104,898.86
Total All Funds	106,497,333.35	31,382,752.03	- 0 -	-11,797,742.23	126,082,343.15

List below all transfers:

Xfer from	Pension Fund Control Account	to	Pension Reserve Fund Control Acct	in the amt of	3,029,670.00	on acct of	To meet estimated cost of benefits
Xfer from	Annuity Savings Fund Control Acct	to	Annuity Reserve Fund	in the amt of	17,228.08	on acct of	10-year inactive transfers
Xfer from	Annuity Reserve Fund	to	Annuity Savings Fund Control Acct	in the amt of	1,553.82	on acct of	Restore prior 10-year inactive transfers
Xfer from	Annuity Savings Fund Control Acct	to	Annuity Reserve Fund	in the amt of	2,227,466.65	on acct of	Retirements in 2017
Xfer from		to		in the amt of		on acct of	
Xfer from		to		in the amt of		on acct of	

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

RECEIPTS

	2017	2016	2015
1. Annuity Savings Fund:			
(a) 4891 Members' Deductions	2,683,411.68	2,500,925.07	2,482,788.86
(b) 4892 Transfers from Other Systems	244,522.61	219,128.66	244,201.89
(c) 4893 Member Make Up Payments and Redeposits	14,321.47	8,011.92	20,181.86
(d) 4900 Member Payments from Rollovers	0.00	0.00	0.00
(e) Investment Income Credited to Members' Accounts	34,689.33	36,823.10	36,927.93
Subtotal	2,976,945.09	2,764,888.75	2,784,100.54
2. Annuity Reserve Fund:			
(a) 4750 Recovery of Annuity from Reinstatement	0.00	0.00	5,132.54
(b) Investment Income Credited to Annuity Reserve Fund	322,524.78	303,765.17	272,973.63
Subtotal	322,524.78	303,765.17	278,106.17
3. Pension Fund:			
(a) 4898 3(8)(c) Reimbursements from Other Systems	263,642.40	223,757.27	181,377.84
(b) 4899 Received from Commonwealth for COLA & Survivor Bft	60,110.12	66,413.34	78,502.07
(c) 4894 Pension Fund Appropriation	5,930,334.00	5,629,486.00	5,415,093.00
(d) 4840 Workers Compensation Settlement	2,400.00	0.00	0.00
(e) 4751 Recovery of Pension from Reinstatement	0.00	0.00	5,855.58
(f) 4841 Recovery of 91A Overearnings	0.00	0.00	0.00
Subtotal	6,256,486.52	5,919,656.61	5,680,828.49
4. Military Service Fund:			
(a) 4890 Contributions Received from Municipality	0.00	0.00	186.62
(b) Investment Income Credited	2.56	2.55	3.32
Subtotal	2.56	2.55	189.94
5. Expense Fund:			
(a) 4896 Expense Fund Appropriation	0.00	0.00	0.00
(b) Investment Income Credited to Expense Fund	595,548.17	621,727.76	625,389.17
Subtotal	595,548.17	621,727.76	625,389.17
6. Pension Reserve Fund:			
(a) 4897 Federal Grant Reimbursement	16,086.10	15,688.95	16,466.08
(b) 4895 Pension Reserve Appropriation	0.00	0.00	0.00
(c) 4822 Interest Not Refunded	3,258.30	2,240.27	4,939.49
(d) 4825 Miscellaneous Income	0.00	0.00	259.49
(e) Excess Investment Income	21,211,900.51	-1,712,893.57	-1,320,118.01
Subtotal	21,231,244.91	-1,694,964.35	-1,298,452.95
TOTAL RECEIPTS	31,382,752.03	7,915,076.49	8,070,161.36

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

DISBURSEMENTS

	2017	2016	2015
1. Annuity Savings Fund:			
(a) 5757 Refunds to Members	210,794.62	340,868.88	242,976.83
(b) 5756 Transfers to Other Systems	490,789.11	492,579.55	175,190.28
Subtotal	701,583.73	833,448.43	418,167.11
2. Annuity Reserve Fund:			
(a) 5750 Annuities Paid	1,702,929.05	1,583,286.88	1,415,432.35
(b) 5759 Option B Refunds	31,382.90	28,049.35	3,325.34
Subtotal	1,734,311.95	1,611,336.23	1,418,757.69
3. Pension Fund:			
(a) 5751 Pensions Paid	8,412,793.30	8,070,491.30	7,556,009.16
Regular Pension Payments	6,716,021.91	6,398,650.83	5,928,076.36
Survivorship Payments	334,906.68	317,109.57	282,781.96
Ordinary Disability Payments	165,802.02	162,454.38	178,187.29
Accidental Disability Payments	973,723.75	992,000.06	958,967.11
Accidental Death Payments	200,623.02	179,193.00	177,438.00
Section 101 Benefits	21,715.92	21,083.46	30,558.44
(b) 5755 3(8)(c) Reimbursements To Other Systems	353,505.08	277,252.95	256,066.98
(c) 5752 COLAs Paid	0.00	0.00	0.00
(d) 5753 Chapter 389 Beneficiary Increase Paid	0.00	0.00	0.00
Subtotal	8,766,298.38	8,347,744.25	7,812,076.14
4. Military Service Fund:			
(a) 4890 Return to Municipality for Members who Withdrew Funds	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00
5. Expense Fund:			
(a) 5118 Board Member Stipend	18,000.00	18,000.00	18,000.00
(b) 5119 Salaries	122,901.76	111,646.58	108,202.26
(c) 5304 Management Fees	337,175.53	322,835.44	343,959.56
(d) 5305 Custodial Fees	46,531.19	91,418.08	87,766.03
(e) 5307 Investment Consultant Fees	0.00	0.00	0.00
(f) 5308 Legal Expenses	969.79	2,279.50	1,696.89
(g) 5309 Medical Expenses	0.00	0.00	16.50
(h) 5310 Fiduciary Insurance	6,477.00	6,386.00	6,199.00
(i) 5311 Service Contracts	24,500.00	23,445.00	22,330.00
(j) 5312 Rent Expense	0.00	0.00	0.00
(k) 5315 Professional Services	0.00	0.00	0.00
(l) 5316 Actuarial Services	6,000.00	14,825.00	5,800.00
(k) 5317 Accounting Services	0.00	0.00	0.00
(n) 5320 Education And Training	2,029.50	1,699.76	2,064.26
(o) 5589 Administrative Expenses	28,161.21	27,073.80	25,600.16
(p) 5599 Furniture and Equipment	1,721.43	981.00	1,678.95
(q) 5719 Travel	1,080.76	1,137.60	2,075.56
(r) 5829 Depreciation Expense: Building	0.00	0.00	0.00
Subtotal	595,548.17	621,727.76	625,389.17
TOTAL DISBURSEMENTS	11,797,742.23	11,414,256.67	10,274,390.11

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

INVESTMENT INCOME

Investment Income received from:	2017	2016	2015
(a) Cash (from Schedule 1)	30,474.42	18,158.63	2,085.17
(b) Short Term Investments (from Schedule 2)	3,013.91	0.00	0.00
(c) Fixed Income Securities (from Schedules 3A and 3C)	1,474,898.36	1,392,265.14	1,129,377.36
(d) Equities (from Schedules 4A and 4C)	688,696.33	801,238.26	679,930.98
(e) Pooled Funds (from Schedule 5)	13,879.61	34,675.52	46,219.51
(f) Commission Recapture	0.00	0.00	0.00
4821 TOTAL INVESTMENT INCOME	2,210,962.63	2,246,337.55	1,857,613.02
Plus:			
4884 Realized Gains (Profits)	12,007,883.45	4,116,293.59	1,716,820.96
4886 Unrealized Gains (Increase in Market Value)	10,844,419.92	3,558,649.41	5,603,215.20
1550 Interest Due & Accrued on Fixed Income Securities at End Of Current Year	301,637.91	297,149.74	216,471.77
Less:			
4823 Paid Accrued Interest on Fixed Income Securities	236,949.40	282,209.55	265,992.29
4885 Realized Losses	2,220,355.11	8,852,402.81	7,862,030.03
4887 Unrealized Losses (Decrease in Market Value)	445,784.31	1,617,921.15	1,466,260.14
1550 Interest Due and Accrued on Fixed Income Securities Prior Year	297,149.74	216,471.77	184,662.45
NET INVESTMENT INCOME	22,164,665.35	-750,574.99	-384,823.96
Income required:			
Annuity Savings Fund (from Supplementary Schedule)	34,689.33	36,823.10	36,927.93
Annuity Reserve Fund	322,524.78	303,765.17	272,973.63
Expense Fund	595,548.17	621,727.76	625,389.17
Military Service Fund	2.56	2.55	3.32
TOTAL INCOME REQUIRED	952,764.84	962,318.58	935,294.05
Net Investment Income	22,164,665.35	-750,574.99	-384,823.96
Less Income Required	952,764.84	962,318.58	935,294.05
EXCESS INCOME TO PENSION RESERVE FUND	21,211,900.51	-1,712,893.57	-1,320,118.01

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

MEMBERSHIP FOR CURRENT YEAR

ACTIVE MEMBERS

	Group 1	Group 2 & 4	TOTAL
Active Membership, Dec. 31st, Previous Year	499	133	632
Inactive Membership, Dec. 31st, Previous Year	169	20	189
Enrolled During Current Year	93	6	99
Transfers Between Groups	0	0	0
Reinstatements of Disabled Members	0	0	0
SUBTOTAL	93	6	99
Deduct:			
Death	2	0	2
Withdrawals	39	5	44
Retirements	23	3	26
SUBTOTAL	64	8	72
Active Membership, Dec. 31st, Current Year	491	131	622
Inactive Membership, Dec. 31st, Current Year	206	20	226

RETIRED MEMBERS, BENEFICIARIES & SURVIVORS

Retired, Beneficiary and Survivor Membership, Dec. 31st, Previous Year

Retirements During the Year	303	106	409
Superannuation	23	3	26
Ordinary Disability	0	0	0
Accidental Disability	0	0	0
Termination Retirement Allowance	0	0	0
Beneficiary of Deceased Retiree	0	1	1
Survivor Benefits from Active Membership	0	0	0
SUBTOTAL	23	4	27

Deduct:

Deaths of Retired Members	9	1	10
Termination of Survivor Benefits	1	2	3
Reinstatements of Disabled Pensions	0	0	0
SUBTOTAL	10	3	13

Retired Membership, Dec. 31st, Current Year

Superannuation	270	71	341
Ordinary Disability	2	7	9
Accidental Disability	10	19	29
Termination	1	0	1
Beneficiaries from Accidental Deaths	1	4	5
Beneficiaries from Section 100	0	0	0
Beneficiaries from Section 101	1	1	2
Beneficiaries under Option C	14	4	18
Option (D) Survivor Allowance	16	1	17
Section 12B Survivor Allowance	1	0	1

Total Retired, Beneficiary and Survivor Membership, Dec. 31st, Current Year

TOTAL MEMBERSHIP

Active, Inactive, Retired, Beneficiary and Survivor, Dec. 31st, Current Year	1,013	258	1,271
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Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2017.

Schedule A: Detail of Accounts Receivable and Accounts Payable

Accounts Receivable	Amount	Original Date
4751 Recovery of Pension from Reinstatement	0.00	
4840 Workers Compensation Settlements	0.00	
4841 Recovery of 91A Overearnings	0.00	
4891 Members Deductions	0.00	
4892 Transfers From Other Systems	0.00	
4893 Member Make Up Payments and Redeposits	2,926.29	12/31/2017
4900 Member Payments from Rollovers	0.00	
4898 3(8)(c) Reimbursements from Other Systems	0.00	
4899 Received from Commonwealth for COLA and Survivor Benefits	29,864.75	12/31/2017
4884 Realized Gain on Sale of Investments	0.00	
4894 Pension Fund Appropriation (Current Fiscal Year)	0.00	
4894 Pension Fund Appropriation (Previous Fiscal Year)	0.00	
4890 Contributions Received from Municipality on Account of Military Service	0.00	
4897 Federal Grant Reimbursement	0.00	
4895 Pension Reserve Appropriation	0.00	
Investments Sold But Funds Not Received (list individually)		
	0.00	
	0.00	
	0.00	
	0.00	
TOTAL RECEIVABLES	32,791.04	
Accounts Payable		
5316 Actuarial Services	0.00	
5317 Accounting Services	0.00	
5320 Education and Training	0.00	
5757 Refunds to Members	0.00	
5756 Transfers to Other Systems	0.00	
5750 Annuities Paid	0.00	
5759 Option B Refund	0.00	
5751 Pensions Paid	0.00	
5755 3(8)(c) Reimbursements to Other Systems	0.00	
5752 COLAs Paid	0.00	
5753 Chapter 389 Beneficiary Increase Paid	0.00	
4885 Realized Loss on Sale of Investments	0.00	
4890 Return to Municipality for Members Who Withdrew Their Funds	0.00	
5118 Board Members' Stipend	0.00	
5119 Salaries	0.00	
5304 Management Fees	-29,332.00	12/31/2017
5305 Custodial Fees	-7,783.49	12/31/2017
5307 Investment Consultant Fees	0.00	
5308 Legal Expenses	0.00	
5309 Medical Expenses	0.00	
5310 Fiduciary Insurance	0.00	
5311 Service Contracts	0.00	
5312 Rent Expense	0.00	
5315 Professional Services Expense	0.00	
5589 Administrative Expenses	0.00	
5599 Furniture and Equipment	-739.98	12/31/2017
5719 Travel	0.00	
Investments Purchased But Not Paid For (list individually)		
	0.00	
	0.00	
	0.00	
	0.00	
TOTAL PAYABLES	-37,855.47	

NORTHAMPTON RETIREMENT BOARD

Annuity Reserve Fund interest calculation
for the year ended December 31, 2017

	Debit Balance		Credit Balance		(Debits)		Balance	x .0025
	5750	5759	3294		Credits			
Dec 31st					0.00		10,331,004.70	25,827.51
Jan 31st	137,024.65		382,922.43		245,897.78		10,576,902.48	26,442.26
Feb 28th	136,516.00		84,459.39		-52,056.61		10,524,845.87	26,312.11
Mar 31st	137,415.45		123,212.30		-14,203.15		10,510,642.72	26,276.61
Apr 30th	136,886.78		249,089.59		112,202.81		10,622,845.53	26,557.11
May 31st	139,328.62		79,665.53		-59,663.09		10,563,182.44	26,407.96
Jun 30th	137,880.84		217,656.72		79,775.88		10,642,958.32	26,607.40
Jul 31st	143,407.10		421,786.04		278,378.94		10,921,337.26	27,303.34
Aug 31st	146,505.38		282,611.56		136,106.18		11,057,443.44	27,643.61
Sep 30th	147,454.82		298,972.52		151,517.70		11,208,961.14	28,022.40
Oct 31st	146,778.02	6,241.42	42,392.93		-110,626.51		11,098,334.63	27,745.84
Nov 30th	146,882.19				-146,882.19		10,951,452.44	27,378.63
Dec 31st	146,849.20	25,141.48	44,697.64		-127,293.04		10,824,159.40	

1,702,929.05 31,382.90 2,227,466.65 322,524.78 Total

Interest Posted to Military Service Fund: 2.56

Interest Posted to Members Accounts: 34,689.33

ARF

Starting Balance: 10,331,004.70
Investment Income Credited: 322,524.78
Interfund Transfers: 2,227,466.65
Disbursements: 1,734,311.95
Post-Close Ending Balance: 11,146,684.18

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 1: CASH ACCOUNT ACTIVITY DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	BOOK VALUE AT END OF <u>PREVIOUS YEAR</u>	DEPOSITS/ WITHDRAWALS <u>THIS YEAR</u>	BOOK VALUE AT <u>END OF YEAR</u>	INCOME RECEIVED <u>THIS YEAR</u>	INCOME DUE AND ACCRUED <u>AT YEAR END</u>
				<u>TOTAL</u>			
FLORENCE BANK - PAYROLL DISBURSEMENT ACCT			159,502.86	(48,181.79)	111,321.07	437.21	0.00
NHZ0	930AZCI1	STATE STREET BANK STIF	753,318.07	(753,318.07)	0.00	0.00	0.00
NHZ1	8611249M9	STATE STREET BANK STIF	3,031.52	(3,031.52)	0.00	0.00	0.00
936214	930AZCI1	STATE STREET BANK STIF	0.00	0.00	0.00	259.21	0.00
936214	999J00325	COLLECTIVE US GOV'T STIF 15	0.00	352,336.71	352,336.71	28,664.45	2,033.19
936215	8611249M9	STATE STREET BANK STIF	0.00	0.00	0.00	6.06	0.00
936215	999J00325	COLLECTIVE US GOV'T STIF 15	0.00	282,062.77	282,062.77	1,107.49	254.39
936214		CASH BALANCE	0.00	(449,708.22)	(449,708.22)	0.00	0.00
SCHEDULE TOTALS			915,852.45	(619,840.12)	296,012.33	30,474.42	2,287.58

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 2A: SHORT TERM SECURITIES OWNED AT END OF YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY DATE</u>	<u>PAR VALUE</u>	<u>PRICE</u>	<u>MARKET VALUE AT END OF YEAR</u>	<u>CHANGE IN MARKET VALUE INCR/DECR</u>	<u>INTEREST RECEIVED DURING YEAR</u>	<u>INTEREST DUE AND ACCRUED AT YEAR END</u>
936214	912796LC1	U S TREASURY BILL	0.000	01/04/18	6,500,000.000	99.91200	6,494,261.95	0.00	0.00	0.00
SCHEDULE TOTALS							6,494,261.95	0.00	0.00	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 2B: SHORT TERM SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY		PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING COMMISSION BUT EXCLUDING INT	
			RATE	DATE							
936214	912796KQ1	U S TREASURY BILL	0.000	04/06/17	2,000,000.000	03/01/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	1,999,242.22	
936214	912796KR9	U S TREASURY BILL	0.000	10/12/17	4,000,000.000	09/01/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	3,995,518.89	
936214	912796KR9	U S TREASURY BILL	0.000	10/12/17	2,000,000.000	09/22/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	1,999,226.67	
936214	912796KU2	U S TREASURY BILL	0.000	05/04/17	2,000,000.000	04/04/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	1,998,833.33	
936214	912796KX6	U S TREASURY BILL	0.000	11/09/17	1,500,000.000	10/11/17	FIRST TENNESSEE BANK NA BD D	0.00	0.00	1,498,845.00	
936214	912796LA5	U S TREASURY BILL	0.000	06/01/17	4,000,000.000	05/01/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	3,997,841.11	
936214	912796LB3	U S TREASURY BILL	0.000	12/07/17	4,000,000.000	11/03/17	FIRST TENNESSEE BANK NA BD D	0.00	0.00	3,996,727.78	
936214	912796LB3	U S TREASURY BILL	0.000	12/07/17	3,000,000.000	11/10/17	RAYMOND JAMES/FI, SAINT PETER	0.00	0.00	2,998,064.17	
936214	912796LC1	U S TREASURY BILL	0.000	01/04/18	7,000,000.000	12/06/17	J.P. MORGAN SECURITIES INC, NE	0.00	0.00	6,993,820.56	
936214	912796LM9	U S TREASURY BILL	0.000	08/03/17	4,000,000.000	06/28/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	3,996,733.33	
936214	912796LM9	U S TREASURY BILL	0.000	08/03/17	2,500,000.000	07/06/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	2,498,237.50	
936214	912796LM9	U S TREASURY BILL	0.000	08/03/17	1,000,000.000	07/07/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	999,393.33	
936214	912796LM9	U S TREASURY BILL	0.000	08/03/17	1,000,000.000	07/25/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	999,788.89	
936214	912796LW7	U S TREASURY BILL	0.000	10/05/17	4,500,000.000	08/03/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	4,491,691.88	
936214	912796LW7	U S TREASURY BILL	0.000	10/05/17	1,000,000.000	09/11/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	999,418.61	
936214	912796MA4	U S TREASURY BILL	0.000	11/02/17	4,000,000.000	10/05/17	FIRST TENNESSEE BANK BOND DI	0.00	0.00	3,996,966.67	
936214	912796MA4	U S TREASURY BILL	0.000	11/02/17	1,000,000.000	10/06/17	FIRST TENNESSEE BANK NA BD D	0.00	0.00	999,413.33	
936214	912796MA4	U S TREASURY BILL	0.000	11/02/17	1,000,000.000	10/18/17	FIRST TENNESSEE BANK NA BD D	0.00	0.00	999,671.39	
SCHEDULE TOTALS								0.00	0.00	49,459,434.66	

Schedule 2C: SHORT TERM SECURITIES SOLD DURING YEAR

TOTAL PROFIT	25,359.43
TOTAL LOSS	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3A: FIXED INCOME SECURITIES OWNED AT END OF YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	PRICE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	INTEREST RECEIVED DURING YEAR	INTEREST DUE AND ACCRUED AT YEAR END
936214	00206RCT7	AT&T INC	4.125	02/17/26	250,000.000	102.28600	255,715.00	2,572.50	10,312.50	3,839.10
936214	00206REM0	AT&T INC	3.900	08/14/27	250,000.000	100.66800	251,670.00	2,102.50	0.00	3,899.52
936214	00774MAB1	AERCAP IRELAND CAPITAL DAC / A	3.650	07/21/27	200,000.000	98.96600	197,932.00	(1,056.00)	0.00	3,244.80
936214	00912XAS3	AIR LEASE CORP	3.375	06/01/21	250,000.000	102.14900	255,372.50	1,907.50	8,437.50	703.20
936214	00912XAW4	AIR LEASE CORP	2.625	07/01/22	150,000.000	98.65100	147,976.50	(1,353.00)	0.00	2,177.06
936214	01609WAT9	ALIBABA GROUP HOLDING LTD	3.400	12/06/27	200,000.000	99.97500	199,950.00	1,158.00	0.00	472.25
936214	01748NAE4	ALLEGION US HOLDING CO INC	3.550	10/01/27	500,000.000	98.88100	494,405.00	(4,385.00)	0.00	4,388.59
936214	025816BR9	AMERICAN EXPRESS CO	3.000	10/30/24	175,000.000	99.83400	174,709.50	(180.25)	0.00	889.38
936214	03062AAF3	AMERICREDIT AUTOMOBILE REC 3 C	2.580	09/08/20	250,000.000	100.31000	250,775.00	(2,230.13)	6,450.00	412.16
936214	031162CP3	AMGEN INC	2.650	05/11/22	250,000.000	99.73100	249,327.50	(427.50)	3,312.50	920.00
936214	03242AP1	ANHEUSER-BUSCH INBEV FINANCE I	3.650	02/01/26	500,000.000	103.19800	515,990.00	8,395.00	18,250.00	7,603.50
936214	037833CR9	APPLE INC	3.200	05/11/27	250,000.000	101.27000	253,175.00	3,175.00	4,000.00	1,111.00
936214	05531FBB8	BB&T CORP	2.850	10/26/24	500,000.000	99.27200	496,360.00	(3,230.00)	0.00	2,572.70
936214	09681LAD2	BOC AVIATION LTD 144A	2.750	09/18/22	250,000.000	97.87800	244,695.00	(3,952.50)	0.00	1,967.30
936214	09681LAE0	BOC AVIATION LTD 144A	3.500	09/18/27	250,000.000	97.02900	242,572.50	(7,112.50)	0.00	2,503.93
936214	11134LAG4	BROADCOM CORP / BROADCOM 144	3.875	01/15/27	250,000.000	98.40500	246,012.50	(2,882.50)	4,736.11	4,467.06
936214	120568AX8	BUNGE LTD FINANCE CORP	3.250	08/15/26	250,000.000	95.56700	238,917.50	(1,152.50)	8,125.00	3,069.52
936214	126650CQ1	CVS HEALTH CORP	4.750	12/01/22	1,120,000.000	107.11300	1,199,665.60	(3,449.60)	0.00	4,433.36
936214	13063A5E0	CALIFORNIA ST	7.500	04/01/34	805,000.000	148.08200	1,192,060.10	37,005.40	61,629.17	15,093.90
936214	14040HAY1	CAPITAL ONE FINANCIAL CORP	4.750	07/15/21	250,000.000	106.84800	267,120.00	(3,275.00)	11,875.00	5,476.34
936214	14041NFB2	CAPITAL ONE MULTI-ASSET A8 A8	2.050	08/15/23	350,000.000	99.54500	348,407.50	(1,543.50)	7,175.04	318.88
936214	16892DAB4	CHINA SOUTHERN POWER GRID 144	2.750	05/08/22	600,000.000	99.23300	595,398.00	(2,712.00)	8,250.00	2,428.99
936214	17119UJA4	CHRYSLER CAPITAL AUT AA B 144A	2.070	01/15/21	300,000.000	100.05400	300,162.00	(124.32)	6,210.00	276.00
936214	17119XAF6	CHRYSLER CAPITAL AUT AA C 144A	2.280	11/15/19	250,000.000	100.12000	250,300.00	(1,682.00)	5,700.00	253.28
936214	172967LD1	CITIGROUP INC	3.887	01/10/28	450,000.000	103.50800	465,786.00	15,786.00	8,745.75	8,308.89
936214	172967LP4	CITIGROUP INC	3.668	07/24/28	150,000.000	101.45500	152,182.50	2,182.50	0.00	2,398.96
936214	17401QAL5	CITIZENS BANK NA/PROVIDENCE RI	2.650	05/26/22	250,000.000	99.08600	247,715.00	(2,052.50)	3,312.50	644.00
936214	174610AN5	CITIZENS FINANCIAL GROUP INC	2.375	07/28/21	250,000.000	98.69100	246,727.50	1,567.50	5,937.50	2,522.97
936214	224044CJ4	COX COMMUNICATIONS INC 144A	3.500	08/15/27	250,000.000	98.63500	246,587.50	(2,217.50)	0.00	3,500.64
936214	25272KAK9	DELL INTERNATIONAL LLC / 144A	6.020	06/15/26	310,000.000	110.26200	341,812.20	4,950.00	15,050.00	829.45
936214	25466AAJ0	DISCOVER BANK	3.450	07/27/26	250,000.000	98.71500	246,787.50	5,385.00	8,625.00	3,689.84
936214	26208CAJ7	DRIVE AUTO RECEIVABLE AA B 144A	2.510	01/15/21	250,000.000	100.27900	250,697.50	707.62	5,490.66	278.88
936214	269246BP8	E*TRADE FINANCIAL CORP	2.950	08/24/22	255,000.000	99.15600	252,847.80	(1,892.10)	0.00	2,654.30
936214	271014TU6	EAST BAY CA MUNI UTILITY DIST	5.874	06/01/40	225,000.000	133.95500	301,398.75	3,570.75	6,608.25	1,101.30
936214	30212PAP0	EXPEDIA INC	3.800	02/15/28	250,000.000	96.63100	241,577.50	(7,790.00)	0.00	2,639.00
936214	31620MAT3	FIDELITY NATIONAL INFORMATION	3.000	08/15/26	250,000.000	96.65700	241,642.50	6,910.00	7,479.17	2,832.88
936214	33829TAA4	FIVE CORNERS FUNDING TRUS 144A	4.419	11/15/23	600,000.000	107.16300	642,978.00	6,903.00	26,514.00	3,387.90
936214	36179Q3X7	GNMA II POOL #0MA2614	2.500	01/20/45	274,260.680	100.88400	276,685.14	(1,832.06)	8,535.11	571.50
936214	36179RCC1	GNMA II POOL #0MA2767	2.500	04/20/45	346,928.480	100.61300	349,055.15	(3,354.79)	10,381.91	722.70
936214	36179RJ77	GNMA II POOL #0MA2974	2.500	06/20/45	418,336.210	100.58300	420,775.11	(4,032.78)	11,992.54	871.50

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3A: FIXED INCOME SECURITIES OWNED AT END OF YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	PRICE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	INTEREST RECEIVED DURING YEAR	INTEREST DUE AND ACCRUED AT YEAR END
936214	36179RME6	GNMA II POOL #00MA3057	2.000	08/20/45	118,897.070	102.15600	121,460.49	516.02	3,079.47	198.30
936214	37045XBK1	GENERAL MOTORS FINANCIAL CO II	3.700	05/09/23	950,000.000	101.99200	968,924.00	8,464.50	9,250.00	5,077.05
936214	38141GVU5	GOLDMAN SACHS GROUP INC/THE	2.625	04/25/21	600,000.000	99.93100	599,586.00	3,942.00	16,800.00	2,887.50
936214	38141GWQ3	GOLDMAN SACHS GROUP INC/THE	3.272	09/29/25	500,000.000	99.59700	497,985.00	(2,015.00)	0.00	4,180.48
936214	38143U8H7	GOLDMAN SACHS GROUP INC/THE	3.750	02/25/26	250,000.000	102.60900	256,522.50	5,787.50	9,375.00	3,281.04
936214	38379JAE8	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	376,466.130	100.70800	379,131.51	(4,200.17)	13,701.87	941.10
936214	404280AV1	HSBC HOLDINGS PLC	3.400	03/08/21	250,000.000	102.21000	255,525.00	1,305.00	8,500.00	2,667.93
936214	40429CGD8	HSBC FINANCE CORP	6.676	01/15/21	475,000.000	111.18100	528,109.75	(5,352.65)	48,309.13	18,901.32
936214	437076BS0	HOME DEPOT INC/THE	3.900	06/15/47	150,000.000	105.46000	158,190.00	9,216.00	3,087.50	260.00
936214	46625HJZ4	JPMORGAN CHASE & CO	4.125	12/15/26	250,000.000	105.49100	263,727.50	8,562.50	10,312.50	458.40
936214	46625HQW3	JPMORGAN CHASE & CO	3.300	04/01/26	150,000.000	100.78800	151,182.00	3,799.50	4,950.00	1,237.50
936214	46625HRL6	JPMORGAN CHASE & CO	2.700	05/18/23	250,000.000	99.34400	248,360.00	3,762.50	6,750.00	806.25
936214	46625HRV4	JPMORGAN CHASE & CO	2.950	10/01/26	600,000.000	98.22400	589,344.00	16,650.00	17,700.00	4,425.30
936214	46647PAJ5	JPMORGAN CHASE & CO	3.882	07/24/38	250,000.000	102.79700	256,992.50	6,992.50	0.00	4,232.72
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	3.500	05/25/47	458,704.095	101.23200	464,355.33	(2,268.57)	9,907.21	1,338.00
936214	539439AQ2	LLOYDS BANKING GROUP PLC	3.574	11/07/28	500,000.000	99.05900	495,295.00	(4,705.00)	0.00	2,680.56
936214	53944YAD5	LLOYDS BANKING GROUP PLC	3.750	01/11/27	300,000.000	101.55300	304,659.00	6,735.00	5,625.00	5,312.50
936214	53315CAD9	MMAF EQUIPMENT FINA AA A4 144A	1.590	02/08/22	400,000.000	99.62800	398,512.00	12.84	6,360.00	406.41
936214	55315FAE0	MMAF EQUIPMENT FINA AA A5 144A	2.210	12/15/32	400,000.000	98.01900	392,076.00	(37.44)	8,840.04	392.96
936214	55315XAE1	MMAF EQUIPMENT FINA AA A5 144A	2.680	07/16/27	400,000.000	99.12300	396,492.00	(3,246.08)	6,640.42	446.70
936214	570535AR5	MARKEL CORP	3.500	11/01/27	175,000.000	99.49200	174,111.00	(509.25)	0.00	1,003.59
936214	57600KV4	MASSACHUSETTS ST SCH BLDG AU	5.715	08/15/39	125,000.000	127.33800	159,172.50	2,577.50	7,143.76	2,698.24
936214	57604TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	350,000.000	130.41800	456,463.00	914.00	7,880.13	1,671.59
936214	591560AA5	METLIFE CAPITAL TRUST IV 144A	7.875	12/15/67	650,000.000	133.25000	866,125.00	(9,312.50)	25,593.75	2,275.04
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	100,000.000	154.73900	154,739.00	(228.00)	25,804.38	937.41
936214	594918BT0	MICROSOFT CORP	3.700	08/08/46	500,000.000	104.25100	521,255.00	50,520.00	18,500.00	7,348.77
936214	594918CA0	MICROSOFT CORP	4.250	02/06/47	250,000.000	114.32700	285,817.50	36,490.00	5,312.50	4,278.95
936214	61744YAH1	MORGAN STANLEY	2.750	05/19/22	1,500,000.000	99.63300	1,494,495.00	(2,370.00)	20,625.00	4,812.36
936214	61746BEF9	MORGAN STANLEY	3.625	01/20/27	450,000.000	102.34500	460,552.50	15,057.00	8,156.25	7,294.91
936214	64966H4K3	NEW YORK NY	5.517	10/01/37	100,000.000	126.13600	126,136.00	776.00	7,394.32	1,379.38
936214	68607DNL5	OREGON ST DEPT OF TRANSPRTN F	5.834	11/15/34	40,000.000	128.79000	51,516.00	1,843.60	13,677.49	298.08
936214	69335PCG8	PFS FINANCING CORP BA A2 144A	2.220	07/15/22	350,000.000	98.80300	345,810.50	(4,133.22)	2,719.50	345.28
936214	709599AY0	PENSKE TRUCK LEASING CO L 144A	2.700	03/14/23	150,000.000	98.26200	147,393.00	(2,265.00)	0.00	1,203.75
936214	754730AE9	RAYMOND JAMES FINANCIAL INC	3.625	09/15/26	250,000.000	100.46900	251,172.50	82.50	4,531.25	2,668.02
936214	754730AF6	RAYMOND JAMES FINANCIAL INC	4.950	07/15/46	250,000.000	113.05500	282,637.50	25,885.00	6,187.50	5,707.08
936214	78448TAB8	SMBC AVIATION CAPITAL FIN 144A	3.000	07/15/22	150,000.000	99.03100	148,546.50	(1,783.50)	0.00	2,025.00
936214	80168NEP0	SANTA CLARA VLY CA TRANSPRTN /	5.876	04/01/32	100,000.000	121.18000	121,180.00	(3,415.00)	2,938.00	1,468.80
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	188,756.250	100.03600	188,824.20	68.00	3,750.84	87.12
936214	860630AD4	STIFEL FINANCIAL CORP	4.250	07/18/24	800,000.000	102.43200	819,456.00	24,952.00	34,000.00	15,393.72
936214	87165BAL7	SYNCHRONY FINANCIAL	3.700	08/04/26	250,000.000	98.59200	246,480.00	6,162.50	9,250.00	3,776.43

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3A: FIXED INCOME SECURITIES OWNED AT END OF YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	PRICE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	INTEREST RECEIVED DURING YEAR	INTEREST DUE AND ACCRUED AT YEAR END
936214	87165BAM5	SYNCHRONY FINANCIAL	3.950	12/01/27	750,000.000	99.57900	746,842.50	(1,012.50)	0.00	2,221.83
936214	878091BF3	TEACHERS INSURANCE & ANNU 144,	4.270	05/15/47	250,000.000	105.75400	264,385.00	15,185.00	5,545.07	1,363.90
936214	89641UAC5	TRINITY ACQUISITION PLC	4.400	03/15/26	500,000.000	105.75900	528,795.00	22,670.00	22,000.00	6,477.66
936214	90117PAL9	1211 AVENUE OF THE 1211 C 144A	4.142	08/10/35	1,175,000.000	104.62700	1,229,367.25	(9,434.95)	0.00	4,055.81
936214	90351DAH0	UBS GROUP FUNDING SWITZER 144,	2.650	02/01/22	250,000.000	98.86800	247,170.00	4,195.00	6,460.00	2,760.00
936214	90352JAE3	UBS GROUP FUNDING SWITZER 144,	2.859	08/15/23	500,000.000	98.85700	494,285.00	(5,715.00)	0.00	5,400.56
936214	91159HIM5	US BANCORP	3.100	04/27/26	250,000.000	99.29600	248,240.00	4,850.00	7,750.00	1,377.92
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	1,500,000.000	105.13700	1,577,055.00	16,634.86	34,116.85	5,842.57
936214	912810RY6	U S TREASURY BOND	2.750	08/15/47	1,700,000.000	100.12500	1,702,125.00	13,453.12	0.00	17,658.33
936214	912810RZ3	U S TREASURY BOND	2.750	11/15/47	300,000.000	100.16400	300,492.00	4,851.37	0.00	1,071.13
936214	9128282R0	U S TREASURY NOTE	2.250	08/15/27	900,000.000	98.59400	887,346.00	(12,047.23)	4,432.75	7,648.81
936214	9128283F5	U S TREASURY NOTE	2.250	11/15/27	1,700,000.000	98.59000	1,676,030.00	(7,235.64)	0.00	4,966.07
936214	92343VDY7	VERIZON COMMUNICATIONS INC	4.125	03/16/27	150,000.000	104.27100	156,406.50	7,522.50	3,093.75	1,804.95
936214	981464CW8	WORLD FINANCIAL NETWORK CR A,	3.140	01/17/23	300,000.000	101.22200	303,666.00	(4,486.08)	9,420.00	418.72
SCHEDULE TOTALS							39,184,441.88	285,021.27	768,606.44	299,350.33
							TOTAL INCREASE	434,714.08		
							TOTAL DECREASE	149,692.81		

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3B: FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING COMMISSION BUT EXCLUDING INT
936214	00206REM0	AT&T INC	3.900	08/14/27	250,000.000	07/27/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	249,567.50
936214	00774MAB1	AERCAP IRELAND CAPITAL DAC / A	3.650	07/21/27	200,000.000	07/17/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	198,988.00
936214	00912XAW4	AIR LEASE CORP	2.625	07/01/22	150,000.000	06/05/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	149,329.50
936214	01609WAT9	ALIBABA GROUP HOLDING LTD	3.400	12/06/27	200,000.000	11/29/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	198,792.00
936214	01748NAE4	ALLEGION US HOLDING CO INC	3.550	10/01/27	500,000.000	09/18/17	J.P. MORGAN SECURITIES INC, NEV	0.00	0.00	498,790.00
936214	025816BR9	AMERICAN EXPRESS CO	3.000	10/30/24	175,000.000	10/23/17	FIRST CLEARING LLC, RICHMOND	0.00	0.00	174,889.75
936214	031162CP3	AMGEN INC	2.650	05/11/22	250,000.000	05/08/17	STIFEL NICOLAUS	0.00	0.00	249,755.00
936214	037833CR9	APPLE INC	3.200	05/11/27	250,000.000	05/04/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	250,000.00
936214	04351LAB6	ASCENSION HEALTH	3.945	11/15/46	250,000.000	09/06/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,095.73	264,790.00
936214	04351LAB6	ASCENSION HEALTH	3.945	11/15/46	250,000.000	09/26/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,643.65	259,855.00
936214	04351LAB6	ASCENSION HEALTH	3.945	11/15/46	250,000.000	10/02/17	MORGAN STANLEY & CO INC, NY	0.00	3,972.40	255,407.50
936214	05531FBB8	BB&T CORP	2.850	10/26/24	500,000.000	10/23/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	499,590.00
936214	072024NT5	BAY AREA CA TOLL AUTH TOLL BRI	6.793	04/01/30	150,000.000	01/11/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,000.24	184,489.50
936214	09681LAD2	BOC AVIATION LTD 144A	2.750	09/18/22	250,000.000	09/11/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	248,647.50
936214	09681LAE0	BOC AVIATION LTD 144A	3.500	09/18/27	250,000.000	09/11/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	249,685.00
936214	11134LAG4	BROADCOM CORP / BROADCOM 144	3.875	01/15/27	250,000.000	01/11/17	FIRST CLEARING LLC, RICHMOND	0.00	0.00	248,895.00
936214	126650CQ1	CVS HEALTH CORP	4.750	12/01/22	1,120,000.000	12/15/17	J.P. MORGAN SECURITIES INC, NEV	0.00	2,660.00	1,203,115.20
936214	13063A5E0	CALIFORNIA ST	7.500	04/01/34	100,000.000	07/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,229.17	143,597.00
936214	13063A5E0	CALIFORNIA ST	7.500	04/01/34	100,000.000	07/26/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,500.00	144,835.00
936214	13063A5E0	CALIFORNIA ST	7.500	04/01/34	80,000.000	08/02/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,100.00	117,859.20
936214	13063A5E0	CALIFORNIA ST	7.500	04/01/34	100,000.000	08/09/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,770.83	148,026.00
936214	13063A5G5	CALIFORNIA ST	7.550	04/01/39	75,000.000	05/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	581.98	110,446.50
936214	14040HBN4	CAPITAL ONE FINANCIAL CORP	3.750	03/09/27	750,000.000	03/06/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	747,705.00
936214	16892DAB4	CHINA SOUTHERN POWER GRID 144	2.750	05/08/22	600,000.000	04/27/17	UBS FINANCIAL SERVICES INC, WE	0.00	0.00	598,110.00
936214	172967LD1	CITIGROUP INC	VAR RT	01/10/28	450,000.000	01/04/17	PERSHING LLC, JERSEY CITY	0.00	0.00	450,000.00
936214	172967LP4	CITIGROUP INC	VAR RT	07/24/28	150,000.000	07/17/17	PERSHING LLC, JERSEY CITY	0.00	0.00	150,000.00
936214	17401QAL5	CITIZENS BANK NAPROVIDENCE RI	2.650	05/26/22	250,000.000	05/22/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	249,767.50
936214	17858PAA9	CITY OF HOPE	5.623	11/15/43	500,000.000	08/08/17	RAYMOND JAMES/FI, SAINT PETER	0.00	6,716.36	627,255.00
936214	207758KM4	CONNECTICUT ST SPL TAX OBLIG R	5.459	11/01/30	175,000.000	03/22/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,874.37	204,272.25
936214	224044CJ4	COX COMMUNICATIONS INC 144A	3.500	08/15/27	250,000.000	07/24/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	248,805.00
936214	25272KAK9	DELL INTERNATIONAL LLC / 144A	6.020	06/15/26	60,000.000	12/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	40.13	66,037.20
936214	26208CAJ7	DRIVE AUTO RECEIVABLE AA B 144A	2.510	01/15/21	250,000.000	01/24/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	249,989.88
936214	26443CAA1	DUKE UNIVERSITY HEALTH SYSTEM	3.920	06/01/47	250,000.000	06/01/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	250,000.00
936214	26443CAA1	DUKE UNIVERSITY HEALTH SYSTEM	3.920	06/01/47	75,000.000	07/25/17	RAYMOND JAMES/FI, SAINT PETER	0.00	424.67	76,314.00
936214	269246BP8	E*TRADE FINANCIAL CORP	2.950	08/24/22	255,000.000	08/15/17	FIRST CLEARING LLC, RICHMOND	0.00	0.00	254,739.90
936214	271014TU6	EAST BAY CA MUNI UTILITY DIST	5.874	06/01/40	150,000.000	06/20/17	RAYMOND JAMES/FI, SAINT PETER	0.00	538.45	197,673.00
936214	271014TU6	EAST BAY CA MUNI UTILITY DIST	5.874	06/01/40	75,000.000	11/27/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,178.28	100,155.00
936214	30212PAN5	EXPEDIA INC 144A	3.800	02/15/28	250,000.000	09/18/17	J.P. MORGAN SECURITIES INC, NEV	0.00	0.00	249,367.50
936214	30212PAP0	EXPEDIA INC	3.800	02/15/28	250,000.000	12/29/17	CONVERSION	0.00	0.00	249,367.50

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3B: FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING COMMISSION BUT EXCLUDING INT
936214	33829TAA4	FIVE CORNERS FUNDING TRUS 144A	4.419	11/15/23	100,000.000	04/21/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,976.28	107,485.00
936214	37045XBK1	GENERAL MOTORS FINANCIAL CO IN	3.700	05/09/23	700,000.000	12/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,021.67	714,462.00
936214	38141GWQ3	GOLDMAN SACHS GROUP INC/THE	VAR RT	09/29/25	500,000.000	09/26/17	PERSHING LLC, JERSEY CITY	0.00	0.00	500,000.00
936214	40429CGD8	HSBC FINANCE CORP	6.676	01/15/21	80,000.000	10/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,453.88	90,341.60
936214	40429CGD8	HSBC FINANCE CORP	6.676	01/15/21	250,000.000	11/16/17	RAYMOND JAMES/FI, SAINT PETER	0.00	5,795.14	280,135.00
936214	437076BS0	HOME DEPOT INC/THE	3.900	06/15/47	150,000.000	05/24/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	148,974.00
936214	46847PAJ5	JPMORGAN CHASE & CO	VAR RT	07/24/38	250,000.000	07/17/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	250,000.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	500,000.000	05/22/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,458.33	508,632.81
936214	47770VAZ3	JOBSHIO BEVERAGE SYS STWD LI	4.532	01/01/35	175,000.000	02/10/17	RAYMOND JAMES/FI, SAINT PETER	0.00	969.34	187,001.50
936214	47770VAZ3	JOBSHIO BEVERAGE SYS STWD LI	4.532	01/01/35	50,000.000	03/23/17	RAYMOND JAMES/FI, SAINT PETER	0.00	547.62	53,855.50
936214	47770VAZ3	JOBSHIO BEVERAGE SYS STWD LI	4.532	01/01/35	160,000.000	05/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,880.34	173,548.80
936214	47770VAZ3	JOBSHIO BEVERAGE SYS STWD LI	4.532	01/01/35	115,000.000	08/30/17	RAYMOND JAMES/FI, SAINT PETER	0.00	926.54	127,448.75
936214	47770VAZ3	JOBSHIO BEVERAGE SYS STWD LI	4.532	01/01/35	50,000.000	10/11/17	RAYMOND JAMES/FI, SAINT PETER	0.00	642.03	54,741.50
936214	539439AQ2	LLOYDS BANKING GROUP PLC	VAR RT	11/07/28	500,000.000	10/31/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	500,000.00
936214	53944YAD5	LLOYDS BANKING GROUP PLC	3.750	01/11/27	300,000.000	01/04/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	297,924.00
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	100,000.000	01/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	367.36	123,665.00
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	250,000.000	03/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,154.51	305,247.50
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	100,000.000	04/06/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,597.22	123,844.00
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	200,000.000	08/10/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,405.56	256,846.00
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	100,000.000	01/24/17	BB&T SECURITIES, LLC, RICHMOND	0.00	488.08	134,325.00
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	120,000.000	02/15/17	FIRST CLEARING LLC, RICHMOND	0.00	1,126.33	160,166.40
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	85,000.000	09/12/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,164.82	118,898.85
936214	55315XAE1	MMAF EQUIPMENT FINA AA A5 144A	2.680	07/16/27	400,000.000	04/25/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	399,738.08
936214	570535AR5	MARKEL CORP	3.500	11/01/27	175,000.000	10/30/17	FIRST CLEARING LLC, RICHMOND	0.00	0.00	174,620.25
936214	576000KV4	MASSACHUSETTS ST SCH BLDG AU	5.715	08/15/39	125,000.000	01/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,155.16	156,595.00
936214	57601TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	150,000.000	08/29/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,149.13	195,777.00
936214	57601TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	200,000.000	12/01/17	RAYMOND JAMES/FI, SAINT PETER	0.00	127.36	260,720.00
936214	57601TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	150,000.000	12/11/17	RAYMOND JAMES/FI, SAINT PETER	0.00	286.55	194,829.00
936214	591560AA5	METLIFE CAPITAL TRUST IV 144A	7.875	12/15/67	475,000.000	10/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	11,429.69	640,062.50
936214	591560AA5	METLIFE CAPITAL TRUST IV 144A	7.875	12/15/67	175,000.000	10/03/17	JEFFERIES & CO INC, NEW YORK	0.00	4,210.94	235,375.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	300,000.000	01/17/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,973.67	443,205.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	50,000.000	01/20/17	RAYMOND JAMES/FI, SAINT PETER	0.00	713.22	72,829.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	60,000.000	01/25/17	RAYMOND JAMES/FI, SAINT PETER	0.00	917.00	86,790.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	100,000.000	03/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,547.22	144,119.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	150,000.000	05/01/17	RAYMOND JAMES/FI, SAINT PETER	0.00	5,165.77	220,341.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	65,000.000	07/12/17	RAYMOND JAMES/FI, SAINT PETER	0.00	821.22	97,175.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICAT	7.336	11/15/39	100,000.000	12/14/17	RAYMOND JAMES/FI, SAINT PETER	0.00	672.47	154,967.00
936214	594918CA0	MICROSOFT CORP	4.250	02/06/47	250,000.000	01/30/17	PERSHING LLC, JERSEY CITY	0.00	0.00	249,327.50
936214	61744YAH1	MORGAN STANLEY	2.750	05/19/22	2,500,000.000	05/16/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	2,494,775.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3B: FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING	
										COMMISSION BUT EXCLUDING INT	EXCLUDING INT
936214	61746BEF9	MORGAN STANLEY	3.625	01/20/27	450,000.000	01/17/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	445,495.50	
936214	64966H4K3	NEW YORK NY	5.517	10/01/37	125,000.000	01/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,164.66	151,076.25	
936214	64966H4K3	NEW YORK NY	5.517	10/01/37	100,000.000	12/01/17	RAYMOND JAMES/FI, SAINT PETER	0.00	980.80	125,360.00	
936214	64966HTX8	NEW YORK NY	5.985	12/01/36	75,000.000	01/09/17	RAYMOND JAMES/FI, SAINT PETER	0.00	511.22	93,876.00	
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	100,000.000	04/20/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,285.20	122,714.00	
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	35,000.000	05/01/17	RAYMOND JAMES/FI, SAINT PETER	0.00	498.02	43,007.65	
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	120,000.000	05/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,780.92	147,565.20	
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	45,000.000	08/08/17	RAYMOND JAMES/FI, SAINT PETER	0.00	68.85	56,137.50	
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	55,000.000	08/30/17	RAYMOND JAMES/FI, SAINT PETER	0.00	286.11	69,848.90	
936214	6499022F9	NEW YORK ST DORM AUTH ST PERS	5.389	03/15/40	300,000.000	02/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	6,781.16	363,900.00	
936214	6499022H8	NEW YORK ST DORM AUTH ST PERS	5.427	03/15/39	255,000.000	01/10/17	RAYMOND JAMES/FI, SAINT PETER	0.00	4,536.07	303,641.25	
936214	6499022T37	NEW YORK ST DORM AUTH ST PERS	5.600	03/15/40	200,000.000	08/29/17	RAYMOND JAMES/FI, SAINT PETER	0.00	5,164.44	257,154.00	
936214	6499022T37	NEW YORK ST DORM AUTH ST PERS	5.600	03/15/40	50,000.000	10/05/17	RAYMOND JAMES/FI, SAINT PETER	0.00	194.44	62,948.00	
936214	6499022Q9	NEW YORK ST DORM AUTH ST PERS	5.628	03/15/39	225,000.000	01/04/17	RAYMOND JAMES/FI, SAINT PETER	0.00	4,009.95	270,562.50	
936214	6499022Q9	NEW YORK ST DORM AUTH ST PERS	5.628	03/15/39	200,000.000	04/12/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,031.80	243,134.00	
936214	677632MV0	OHIO ST UNIV	4.910	06/01/40	150,000.000	01/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,084.29	172,348.50	
936214	677632MV0	OHIO ST UNIV	4.910	06/01/40	200,000.000	05/22/17	BB&T SECURITIES, LLC, RICHMOND	0.00	4,746.33	236,688.00	
936214	68607DNL5	OREGON ST DEPT OF TRANSPRTN F	5.834	11/15/34	40,000.000	03/16/17	RAYMOND JAMES/FI, SAINT PETER	0.00	816.76	49,672.40	
936214	69335PCG8	PFS FINANCING CORP BA A2 144A	2.220	07/15/22	350,000.000	08/01/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	349,943.72	
936214	709599AY0	PENSKE TRUCK LEASING CO L 144A	2.700	03/14/23	150,000.000	09/12/17	FIRST CLEARING LLC, RICHMOND	0.00	0.00	149,658.00	
936214	73358WJ3	PORT AUTH OF NEW YORK & NEW JI	6.040	12/01/29	75,000.000	01/09/17	RAYMOND JAMES/FI, SAINT PETER	0.00	515.92	93,186.75	
936214	73358WCW2	PORT AUTH OF NEW YORK & NEW JI	5.647	11/01/40	170,000.000	03/14/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,626.63	204,664.70	
936214	73358WCW2	PORT AUTH OF NEW YORK & NEW JI	5.647	11/01/40	75,000.000	05/25/17	RAYMOND JAMES/FI, SAINT PETER	0.00	362.94	93,304.50	
936214	73358WEK6	PORT AUTH OF NEW YORK & NEW JI	4.926	10/01/51	100,000.000	01/30/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,655.68	110,374.00	
936214	73358WEK6	PORT AUTH OF NEW YORK & NEW JI	4.926	10/01/51	100,000.000	03/30/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,463.00	112,053.00	
936214	754730AE9	RAYMOND JAMES FINANCIAL INC	3.625	09/15/26	250,000.000	05/23/17	RAYMOND JAMES/FI, SAINT PETER	0.00	1,787.33	251,090.00	
936214	754730AF6	RAYMOND JAMES FINANCIAL INC	4.950	07/15/46	250,000.000	05/05/17	RAYMOND JAMES/FI, SAINT PETER	0.00	3,953.13	256,752.50	
936214	78448TAB8	SMBC AVIATION CAPITAL FIN 144A	3.000	07/15/22	150,000.000	07/13/17	STIFEL NICOLAUS	0.00	0.00	150,330.00	
936214	80168NEF0	SANTA CLARA VLY CA TRANSPRTN /	5.876	04/01/32	100,000.000	09/06/17	RAYMOND JAMES/FI, SAINT PETER	0.00	2,562.59	124,595.00	
936214	83404JAA4	SOFT CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	250,000.000	05/11/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	249,999.95	
936214	87165BAM5	TEACHERS INSURANCE & ANNU 144	3.950	12/01/27	750,000.000	11/28/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	747,855.00	
936214	878091BF3	TOLL BROTHERS FINANCE CORP	4.270	05/15/47	250,000.000	05/03/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	249,200.00	
936214	88947EAS9	1211 AVENUE OF THE 1211 C 144A	4.875	03/15/27	150,000.000	03/07/17	FIRST CLEARING LLC, RICHMOND	0.00	0.00	150,000.00	
936214	90117PAL9	UBS GROUP FUNDING SWITZER 144	VAR RT	08/10/35	1,175,000.000	12/15/17	J.P. MORGAN SECURITIES INC, NEV	0.00	0.00	1,238,802.20	
936214	90352JAE3	U S TREASURY BOND	2.875	11/15/46	500,000.000	08/07/17	UBS FINANCIAL SERVICES INC, WE	0.00	0.00	500,000.00	
936214	912810RV4	U S TREASURY BOND	3.000	02/15/47	400,000.000	05/04/17	ARBOR RESEARCH & TRADING, INI	0.00	6,949.24	486,171.88	
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	300,000.000	03/17/17	FIRST TENNESSEE BANK BOND DI	0.00	1,160.22	389,937.50	
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	100,000.000	03/21/17	FIRST TENNESSEE BANK BOND DI	0.00	895.03	296,765.63	
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	100,000.000	03/28/17	FIRST TENNESSEE BANK BOND DI	0.00	356.35	100,187.50	

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Schedule 3B: FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING COMMISSION BUT EXCLUDING INT	
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	300,000.000	03/30/17	ARBOR RESEARCH & TRADING, INI	0.00	1,093.92	299,343.75	
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	300,000.000	05/08/17	ARBOR RESEARCH & TRADING, INI	0.00	2,113.26	299,484.38	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	200,000.000	06/27/17	FIRST TENNESSEE BANK BOND DI	0.00	717.39	210,500.00	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	200,000.000	06/27/17	FIRST TENNESSEE BANK BOND DI	0.00	733.70	211,125.00	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	300,000.000	07/13/17	ARBOR RESEARCH & TRADING, INI	0.00	1,565.22	304,781.25	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	300,000.000	07/24/17	ARBOR RESEARCH & TRADING, INI	0.00	1,760.87	310,593.75	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	300,000.000	08/03/17	ARBOR RESEARCH & TRADING, INI	0.00	2,054.35	310,734.38	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	300,000.000	08/04/17	ARBOR RESEARCH & TRADING, INI	0.00	2,078.80	311,625.00	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	200,000.000	08/08/17	FIRST TENNESSEE BANK BOND DI	0.00	1,418.48	205,218.75	
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	700,000.000	11/07/17	INDUSTRIAL & COMM BK OF CHINA	0.00	10,157.61	731,718.75	
936214	912810RY6	U S TREASURY BOND	2.750	08/15/47	400,000.000	08/30/17	ARBOR RESEARCH & TRADING, INI	0.00	478.26	401,082.50	
936214	912810RY6	U S TREASURY BOND	2.750	08/15/47	400,000.000	09/21/17	ARBOR RESEARCH & TRADING, INI	0.00	1,225.54	395,906.25	
936214	912810RY6	U S TREASURY BOND	2.750	08/15/47	200,000.000	10/16/17	FIRST TENNESSEE BANK NA BD DI	0.00	956.52	197,281.25	
936214	912810RY6	U S TREASURY BOND	2.750	08/15/47	700,000.000	11/07/17	INDUSTRIAL & COMM BK OF CHINA	0.00	4,498.64	694,421.88	
936214	912810RZ3	U S TREASURY BOND	2.750	11/15/47	300,000.000	11/16/17	FIRST TENNESSEE BANK NA BD DI	0.00	45.58	295,640.63	
936214	912828R0	U S TREASURY NOTE	2.250	08/15/27	300,000.000	09/07/17	ARBOR RESEARCH & TRADING, INI	0.00	495.24	305,296.88	
936214	912828R0	U S TREASURY NOTE	2.250	08/15/27	500,000.000	09/20/17	ARBOR RESEARCH & TRADING, INI	0.00	1,161.68	500,937.50	
936214	912828R0	U S TREASURY NOTE	2.250	08/15/27	400,000.000	09/26/17	ARBOR RESEARCH & TRADING, INI	0.00	1,076.09	400,687.50	
936214	912828R0	U S TREASURY NOTE	2.250	08/15/27	300,000.000	09/29/17	ARBOR RESEARCH & TRADING, INI	0.00	825.41	298,195.31	
936214	912828R0	U S TREASURY NOTE	2.250	08/15/27	400,000.000	11/07/17	INDUSTRIAL & COMM BK OF CHINA	0.00	2,078.80	397,687.50	
936214	912828R0	U S TREASURY NOTE	2.250	11/15/27	700,000.000	11/16/17	INDUSTRIAL & COMM BK OF CHINA	0.00	87.02	693,765.63	
936214	912828R0	U S TREASURY NOTE	2.250	11/15/27	300,000.000	11/27/17	FIRST TENNESSEE BANK NA BD DI	0.00	261.05	297,984.38	
936214	912828R0	U S TREASURY NOTE	2.250	11/15/27	400,000.000	12/08/17	INDUSTRIAL & COMM BK OF CHINA	0.00	671.27	395,312.50	
936214	912828R0	U S TREASURY NOTE	2.250	11/15/27	300,000.000	12/12/17	INDUSTRIAL & COMM BK OF CHINA	0.00	522.10	296,203.13	
936214	912828R0	U S TREASURY NOTE	1.625	05/15/26	400,000.000	02/07/17	INDUSTRIAL & COMM BK OF CHINA	0.00	1,544.20	375,875.00	
936214	912828R0	U S TREASURY NOTE	2.000	11/15/26	500,000.000	01/12/17	INDUSTRIAL & COMM BK OF CHINA	0.00	1,767.96	486,406.25	
936214	912828R0	U S TREASURY NOTE	2.000	11/15/26	300,000.000	02/07/17	FIRST TENNESSEE BANK BOND DI	0.00	1,425.41	289,687.50	
936214	912828R0	U S TREASURY NOTE	2.000	11/15/26	300,000.000	02/08/17	INDUSTRIAL & COMM BK OF CHINA	0.00	1,441.99	291,140.63	
936214	912828R0	U S TREASURY NOTE	2.250	02/15/27	600,000.000	02/16/17	ARBOR RESEARCH & TRADING, INI	0.00	223.76	588,375.00	
936214	912828R0	U S TREASURY NOTE	2.250	02/15/27	400,000.000	04/07/17	ARBOR RESEARCH & TRADING, INI	0.00	1,367.40	399,125.00	
936214	912828R0	U S TREASURY NOTE	2.250	02/15/27	400,000.000	04/13/17	ARBOR RESEARCH & TRADING, INI	0.00	1,541.44	400,687.50	
936214	912828R0	U S TREASURY NOTE	2.250	02/15/27	500,000.000	04/25/17	ARBOR RESEARCH & TRADING, INI	0.00	2,175.41	498,046.88	
936214	912828R0	U S TREASURY NOTE	2.250	02/15/27	500,000.000	05/10/17	ARBOR RESEARCH & TRADING, INI	0.00	2,765.88	493,203.13	
936214	912828R0	U S TREASURY NOTE	2.250	02/15/27	300,000.000	07/12/17	ARBOR RESEARCH & TRADING, INI	0.00	2,834.25	298,453.13	
936214	912828R0	U S TREASURY NOTE	2.375	05/15/27	500,000.000	07/12/17	ARBOR RESEARCH & TRADING, INI	0.00	1,903.87	502,890.63	
936214	912828R0	U S TREASURY NOTE	2.375	05/15/27	500,000.000	07/13/17	ARBOR RESEARCH & TRADING, INI	0.00	2,065.22	501,953.13	
936214	912828R0	U S TREASURY NOTE	2.375	05/15/27	300,000.000	07/19/17	ARBOR RESEARCH & TRADING, INI	0.00	1,297.21	303,000.00	
936214	912828R0	U S TREASURY NOTE	2.375	05/15/27	600,000.000	08/02/17	ARBOR RESEARCH & TRADING, INI	0.00	3,136.55	607,500.00	
936214	912828R0	U S TREASURY NOTE	2.375	05/15/27	400,000.000	08/04/17	ARBOR RESEARCH & TRADING, INI	0.00	2,194.29	405,187.50	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3B: FIXED INCOME SECURITIES PURCHASED DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY DATE</u>	<u>PAR VALUE</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>ACCRUED INT PAID</u>	<u>COST INCLUDING COMMISSION BUT EXCLUDING INT</u>
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	500,000.000	08/07/17	ARBOR RESEARCH & TRADING, INC	0.00	2,775.14	505,390.63
936214	912828XW5	U S TREASURY NOTE	1.750	06/30/22	800,000.000	07/14/17	ARBOR RESEARCH & TRADING, INC	0.00	722.83	796,687.50
936214	92343VDY7	VERIZON COMMUNICATIONS INC	4.125	03/16/27	150,000.000	03/13/17	MORGAN STANLEY & CO INC, NY	0.00	0.00	148,884.00
936214	983919AJ0	XILINX INC	2.950	06/01/24	150,000.000	05/24/17	J.P. MORGAN CLEARING CORP, NE	0.00	0.00	149,830.50
SCHEDULE TOTALS								0.00	236,949.40	48,785,510.66

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3C: FIXED INCOME SECURITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
936214	026874BS5	AMERICAN INTERNATIONAL GROUP VAR RT	VAR RT	05/15/68	400,000.00	02/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	514,268.00	506,000.00	8,268.00	8,720.00
936214	03027XAM2	AMERICAN TOWER CORP	3.125	01/15/27	250,000.00	03/07/17	MORGAN STANLEY & CO INC, NY	0.00	231,420.00	230,665.00	755.00	3,450.53
936214	037833CD0	APPLE INC	3.850	08/04/46	250,000.00	05/22/17	MORGAN STANLEY & CO INC, NY	0.00	244,620.00	239,535.00	5,085.00	7,780.21
936214	04351LAB6	ASCENSION HEALTH	3.945	11/15/46	750,000.00	11/07/17	RAYMOND JAMES/FI, SAINT PETER	0.00	780,202.50	780,052.50	150.00	14,300.63
936214	05531FAV5	BB&T CORP	2.050	05/10/21	250,000.00	06/08/17	STIFEL NICOLAUS	0.00	248,945.00	245,362.50	3,582.50	3,032.29
936214	07202ANT5	BAY AREA CA TOLL AUTH TOLL BRI	6.793	04/01/30	250,000.00	02/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	305,560.00	306,533.50	(973.50)	6,368.44
936214	13063A5E0	CALIFORNIA ST	7.500	04/01/34	305,000.00	05/31/17	PIPER JAFFRAY & CO, MINNEAPOL	0.00	440,023.50	431,117.50	8,906.00	0.00
936214	13063A5G5	CALIFORNIA ST	7.550	04/01/39	525,000.00	02/11/17	RAYMOND JAMES/FI, SAINT PETER	0.00	811,277.25	776,289.00	34,988.25	46,165.10
936214	14040HBK0	CAPITAL ONE FINANCIAL CORP	3.750	07/28/26	500,000.00	05/09/17	J.P. MORGAN CLEARING CORP, NE	0.00	480,565.00	484,700.00	(4,135.00)	14,791.67
936214	14040HBN4	CAPITAL ONE FINANCIAL CORP	3.750	03/09/27	375,000.00	04/24/17	RAYMOND JAMES/FI, SAINT PETER	0.00	374,160.00	373,852.50	307.50	3,671.88
936214	14040HBN4	CAPITAL ONE FINANCIAL CORP	3.750	03/09/27	375,000.00	04/24/17	STIFEL NICOLAUS	0.00	374,343.75	373,852.50	491.25	0.00
936214	14042DNB2	CAPITAL ONE BANK USA NA	3.375	02/15/23	300,000.00	04/24/17	MORGAN STANLEY & CO INC, NY	0.00	302,196.00	297,183.00	5,013.00	7,059.38
936214	14916RAF1	CATHOLIC HEALTH INITIATIVES	4.200	08/01/23	500,000.00	02/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	513,630.00	516,240.00	(2,610.00)	11,375.00
936214	161571GQ1	CHASE ISSUANCE TRUST A7 A7	1.380	11/15/19	500,000.00	05/17/17	J.P. MORGAN CLEARING CORP, NE	0.00	500,214.84	500,434.40	(219.56)	3,009.17
936214	161571HG2	CHASE ISSUANCE TRUST A6 A6	1.100	01/15/20	400,000.00	05/30/17	J.P. MORGAN CLEARING CORP, NE	0.00	399,250.00	399,048.36	201.64	2,028.91
936214	17858PAA9	CITY OF HOPE	5.623	11/15/43	500,000.00	11/07/17	FTN FINANCIAL SECURITIES CORP	0.00	632,460.00	627,255.00	5,205.00	13,588.92
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	2,072.050	01/17/17	PRINCIPAL PAYMENT	0.00	2,072.05	2,070.22	1.83	5,409.80
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	642.370	02/17/17	PRINCIPAL PAYMENT	0.00	642.37	641.80	0.57	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	632.460	03/17/17	PRINCIPAL PAYMENT	0.00	632.46	631.90	0.56	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	659.280	04/17/17	PRINCIPAL PAYMENT	0.00	659.28	658.70	0.58	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	1,365.780	06/17/17	PRINCIPAL PAYMENT	0.00	1,365.78	1,364.57	1.21	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	6,722.020	05/17/17	PRINCIPAL PAYMENT	0.00	6,722.02	6,716.08	5.94	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	855.400	07/17/17	PRINCIPAL PAYMENT	0.00	855.40	854.64	0.76	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	739.200	08/17/17	PRINCIPAL PAYMENT	0.00	739.20	738.55	0.65	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	95.050	09/17/17	PRINCIPAL PAYMENT	0.00	95.05	94.97	0.08	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	810.080	10/17/17	PRINCIPAL PAYMENT	0.00	810.08	809.36	0.72	0.00
936214	19624LAA7	COLONY AMERICAN HOME 1A A 144/ VAR RT	05/17/31	05/17/31	263,895.919	11/13/17	J.P. MORGAN CLEARING CORP, NE	0.00	264,225.79	263,662.58	563.21	0.00
936214	207758KM4	CONNECTICUT ST SPL TAX OBLIG R	5.459	11/01/30	175,000.00	04/21/17	RAYMOND JAMES/FI, SAINT PETER	0.00	204,097.25	204,272.25	(175.00)	4,643.94
936214	22822VAC5	CROWN CASTLE INTERNATIONAL CI	3.700	06/15/26	500,000.00	01/12/17	RAYMOND JAMES/FI, SAINT PETER	0.00	493,025.00	490,765.00	2,260.00	1,695.83
936214	26443CAA1	DUKE UNIVERSITY HEALTH SYSTEM	3.920	06/01/47	325,000.00	09/06/17	RAYMOND JAMES/FI, SAINT PETER	0.00	343,391.75	326,314.00	17,077.75	3,255.78
936214	30212PAN5	EXPEDIA INC 144A	3.800	02/15/28	250,000.00	12/29/17	CONVERSION	0.00	249,367.50	249,367.50	0.00	0.00
936214	3136ATX33	FNMA GTD REMIC P/T 16-M10 FA	VAR RT	08/25/28	47.000	01/25/17	PRINCIPAL PAYMENT	0.00	47.00	46.90	0.10	6,569.44
936214	3136ATX33	FNMA GTD REMIC P/T 16-M10 FA	VAR RT	08/25/28	56.000	02/25/17	PRINCIPAL PAYMENT	0.00	56.00	55.88	0.12	0.00
936214	3136ATX33	FNMA GTD REMIC P/T 16-M10 FA	VAR RT	08/25/28	101.390	03/25/17	PRINCIPAL PAYMENT	0.00	101.39	101.18	0.21	0.00
936214	3136ATX33	FNMA GTD REMIC P/T 16-M10 FA	VAR RT	08/25/28	1,499,645.191	03/27/17	MORGAN STANLEY & CO INC, NY	0.00	1,500,592.47	1,498,553.52	4,028.95	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	5,072.680	01/01/17	PRINCIPAL PAYMENT	0.00	5,072.68	5,107.55	(34.87)	2,671.42
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	5,139.290	02/01/17	PRINCIPAL PAYMENT	0.00	5,139.29	5,174.61	(35.32)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	4,228.950	03/01/17	PRINCIPAL PAYMENT	0.00	4,228.95	4,258.02	(29.07)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	5,407.870	04/01/17	PRINCIPAL PAYMENT	0.00	5,407.87	5,445.04	(37.17)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	4,941.340	05/01/17	PRINCIPAL PAYMENT	0.00	4,941.34	4,975.30	(33.96)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	5,202.090	06/01/17	PRINCIPAL PAYMENT	0.00	5,202.09	5,237.85	(35.76)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	4,646.830	07/01/17	PRINCIPAL PAYMENT	0.00	4,646.83	4,678.77	(31.94)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	5,007.580	08/01/17	PRINCIPAL PAYMENT	0.00	5,007.58	5,042.00	(34.42)	0.00
936214	3137AFP48	FHLMC MULTICLASS MTG 3919 BD	2.500	08/15/39	134,101.550	08/03/17	VINING-SPARKS CO, LITTLE ROCK	0.00	135,065.43	135,023.28	42.17	0.00
936214	31428XBF2	FEDEX CORP	3.250	04/01/26	250,000.00	09/21/17	STIFEL NICOLAUS	0.00	253,652.50	248,285.00	5,367.50	7,989.58
936214	345397WN9	FORD MOTOR CREDIT CO LLC	1.500	01/17/17	500,000.00	01/17/17	MATURITY	0.00	500,000.00	500,040.00	(40.00)	3,750.00

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Schedule 3C: FIXED INCOME SECURITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	01/01/17	PRINCIPAL PAYMENT	0.00	19,578.05	19,881.90	(303.85)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	02/01/17	PRINCIPAL PAYMENT	0.00	13,561.86	13,772.34	(210.48)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	03/01/17	PRINCIPAL PAYMENT	0.00	9,978.35	10,133.21	(154.86)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	04/01/17	PRINCIPAL PAYMENT	0.00	8,963.38	9,102.49	(139.11)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	05/01/17	PRINCIPAL PAYMENT	0.00	6,302.69	6,400.51	(97.82)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	06/01/17	PRINCIPAL PAYMENT	0.00	26,826.51	27,242.86	(416.35)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	07/01/17	PRINCIPAL PAYMENT	0.00	21,130.37	21,458.31	(327.94)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	08/01/17	PRINCIPAL PAYMENT	0.00	6,483.99	6,584.62	(100.63)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	09/01/17	PRINCIPAL PAYMENT	0.00	3,291.15	3,342.23	(51.08)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	10/01/17	PRINCIPAL PAYMENT	0.00	5,851.66	5,942.48	(90.82)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	11/01/17	PRINCIPAL PAYMENT	0.00	8,281.53	8,410.06	(128.53)	0.00
936214	361790Q3X7	GNMA II POOL #0MA2614	VAR RT	01/20/45	12/01/17	PRINCIPAL PAYMENT	0.00	10,145.35	10,302.81	(157.46)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	01/01/17	PRINCIPAL PAYMENT	0.00	10,896.37	11,014.70	(118.33)	5,027.69
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	02/01/17	PRINCIPAL PAYMENT	0.00	6,610.56	6,682.35	(71.79)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	03/01/17	PRINCIPAL PAYMENT	0.00	5,418.04	5,476.88	(58.84)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	04/01/17	PRINCIPAL PAYMENT	0.00	9,702.80	9,808.17	(105.37)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	05/01/17	PRINCIPAL PAYMENT	0.00	7,299.87	7,379.15	(79.28)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	06/01/17	PRINCIPAL PAYMENT	0.00	15,791.32	15,962.81	(171.49)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	07/01/17	PRINCIPAL PAYMENT	0.00	4,321.94	4,368.88	(46.94)	0.00
936214	36179R4Q9	GNMA II POOL #0MA3531	VAR RT	03/20/46	08/01/17	PRINCIPAL PAYMENT	0.00	9,708.42	9,813.85	(105.43)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	03/20/46	08/22/17	VINING-SPARKS CO, LITTLE ROCK	0.00	240,963.53	240,847.51	316.02	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	01/01/17	PRINCIPAL PAYMENT	0.00	12,296.10	12,480.38	(184.28)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	02/01/17	PRINCIPAL PAYMENT	0.00	11,999.10	12,188.69	(189.59)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	03/01/17	PRINCIPAL PAYMENT	0.00	11,179.46	11,356.10	(176.64)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	04/01/17	PRINCIPAL PAYMENT	0.00	8,630.15	8,766.51	(136.36)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	05/01/17	PRINCIPAL PAYMENT	0.00	11,390.23	11,570.20	(179.97)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	06/01/17	PRINCIPAL PAYMENT	0.00	10,511.85	10,677.94	(166.09)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	07/01/17	PRINCIPAL PAYMENT	0.00	9,708.63	9,859.99	(153.36)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	08/01/17	PRINCIPAL PAYMENT	0.00	17,220.84	17,492.93	(272.09)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	09/01/17	PRINCIPAL PAYMENT	0.00	7,658.62	7,779.63	(121.01)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	10/01/17	PRINCIPAL PAYMENT	0.00	13,093.18	13,300.05	(206.87)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	11/01/17	PRINCIPAL PAYMENT	0.00	8,618.65	8,754.82	(136.17)	0.00
936214	36179RCC1	GNMA II POOL #0MA2767	VAR RT	04/20/45	12/01/17	PRINCIPAL PAYMENT	0.00	7,952.20	8,077.84	(125.64)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	01/01/17	PRINCIPAL PAYMENT	0.00	6,471.10	6,571.21	(100.11)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	02/01/17	PRINCIPAL PAYMENT	0.00	13,529.79	13,739.10	(209.31)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	03/01/17	PRINCIPAL PAYMENT	0.00	8,435.63	8,566.13	(130.50)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	04/01/17	PRINCIPAL PAYMENT	0.00	10,786.26	10,953.12	(166.86)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	05/01/17	PRINCIPAL PAYMENT	0.00	8,684.12	8,818.46	(134.34)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	06/01/17	PRINCIPAL PAYMENT	0.00	6,245.91	6,342.53	(96.62)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	07/01/17	PRINCIPAL PAYMENT	0.00	13,290.28	13,495.88	(205.60)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	08/01/17	PRINCIPAL PAYMENT	0.00	9,511.99	9,659.14	(147.15)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	09/01/17	PRINCIPAL PAYMENT	0.00	13,781.81	13,995.01	(213.20)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	10/01/17	PRINCIPAL PAYMENT	0.00	5,306.41	5,388.50	(82.09)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	11/01/17	PRINCIPAL PAYMENT	0.00	4,911.57	4,987.55	(75.98)	0.00
936214	36179RJT7	GNMA II POOL #0MA2974	VAR RT	06/20/45	12/01/17	PRINCIPAL PAYMENT	0.00	12,770.74	12,968.30	(197.56)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	01/01/17	PRINCIPAL PAYMENT	0.00	7,286.29	7,411.76	(125.47)	0.00

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FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	10,088.180	02/01/17	PRINCIPAL PAYMENT	0.00	10,088.18	10,261.90	(173.72)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	5,415.570	03/01/17	PRINCIPAL PAYMENT	0.00	5,415.57	5,508.83	(93.26)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	7,086.160	04/01/17	PRINCIPAL PAYMENT	0.00	7,086.16	7,208.18	(122.02)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	5,651.500	05/01/17	PRINCIPAL PAYMENT	0.00	5,651.50	5,748.82	(97.32)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	6,478.110	06/01/17	PRINCIPAL PAYMENT	0.00	6,478.11	6,589.66	(111.55)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	6,315.710	07/01/17	PRINCIPAL PAYMENT	0.00	6,315.71	6,424.47	(108.76)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	4,435.900	08/01/17	PRINCIPAL PAYMENT	0.00	4,435.90	4,512.29	(76.39)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	6,067.550	09/01/17	PRINCIPAL PAYMENT	0.00	6,067.55	6,172.03	(104.48)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	4,436.810	10/01/17	PRINCIPAL PAYMENT	0.00	4,436.81	4,513.01	(76.40)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	5,242.490	11/01/17	PRINCIPAL PAYMENT	0.00	5,242.49	5,332.77	(90.28)	0.00
936214	36179RME6	GNMA II POOL #0MA3057	VAR RT	08/20/45	3,782.330	12/01/17	PRINCIPAL PAYMENT	0.00	3,782.33	3,847.46	(65.13)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	10,317.020	01/01/17	PRINCIPAL PAYMENT	0.00	10,317.02	10,485.29	(168.27)	3,100.56
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	8,418.340	02/01/17	PRINCIPAL PAYMENT	0.00	8,418.34	8,555.64	(137.30)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	9,790.740	03/01/17	PRINCIPAL PAYMENT	0.00	9,790.74	9,950.43	(159.69)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	9,667.360	04/01/17	PRINCIPAL PAYMENT	0.00	9,667.36	9,825.03	(157.67)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	7,591.680	05/01/17	PRINCIPAL PAYMENT	0.00	7,591.68	7,715.50	(123.82)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	7,783.180	06/01/17	PRINCIPAL PAYMENT	0.00	7,783.18	7,910.12	(126.94)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	2,424.820	07/01/17	PRINCIPAL PAYMENT	0.00	2,424.82	2,464.37	(39.55)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	6,322.820	08/01/17	PRINCIPAL PAYMENT	0.00	6,322.82	6,425.95	(103.13)	0.00
936214	36179RV30	GNMA II POOL #0MA3334	VAR RT	12/20/45	184,686.100	08/15/17	VINING-SPARKS CO. LITTLE ROCK	0.00	186,648.39	187,698.33	(1,049.94)	1,883.95
936214	36179RX53	GNMA II POOL #0MA3400	VAR RT	01/20/46	10,335.850	01/01/17	PRINCIPAL PAYMENT	0.00	10,335.85	10,446.65	(110.80)	0.00
936214	36179RX53	GNMA II POOL #0MA3400	VAR RT	01/20/46	7,860.410	02/01/17	PRINCIPAL PAYMENT	0.00	7,860.41	7,944.67	(84.26)	0.00
936214	36179RX53	GNMA II POOL #0MA3400	VAR RT	01/20/46	6,761.790	03/01/17	PRINCIPAL PAYMENT	0.00	6,761.79	6,834.28	(72.49)	0.00
936214	36179RX53	GNMA II POOL #0MA3400	VAR RT	01/20/46	6,752.450	04/01/17	PRINCIPAL PAYMENT	0.00	6,752.45	6,824.84	(72.39)	0.00
936214	36179RX53	GNMA II POOL #0MA3400	VAR RT	01/20/46	7,276.630	05/01/17	PRINCIPAL PAYMENT	0.00	7,276.63	7,354.64	(78.01)	0.00
936214	36179RX53	GNMA II POOL #0MA3400	VAR RT	01/20/46	186,703.497	05/10/17	BB&T SECURITIES, LLC, RICHMONI	0.00	187,812.05	188,704.94	(892.89)	0.00
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	9,607.650	01/01/17	PRINCIPAL PAYMENT	0.00	9,607.65	9,712.47	(104.82)	5,855.85
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	16,828.570	02/01/17	PRINCIPAL PAYMENT	0.00	16,828.57	17,012.17	(183.60)	0.00
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	9,213.220	03/01/17	PRINCIPAL PAYMENT	0.00	9,213.22	9,313.74	(100.52)	0.00
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	6,855.290	04/01/17	PRINCIPAL PAYMENT	0.00	6,855.29	6,930.08	(74.79)	0.00
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	5,611.820	05/01/17	PRINCIPAL PAYMENT	0.00	5,611.82	5,673.04	(61.22)	0.00
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	10,453.120	06/01/17	PRINCIPAL PAYMENT	0.00	10,453.12	10,567.16	(114.04)	0.00
936214	36179RZ51	GNMA II POOL #0MA3464	VAR RT	02/20/46	409,641.390	06/08/17	RAYMOND JAMES/FI, SAINT PETER	0.00	416,874.12	414,110.58	2,763.54	0.00
936214	36225E2M3	GNMA II POOL #0082579	VAR RT	07/20/40	4,194.220	01/01/17	PRINCIPAL PAYMENT	0.00	4,194.22	4,329.23	(135.01)	2,018.89
936214	36225E2M3	GNMA II POOL #0082579	VAR RT	07/20/40	2,523.930	02/01/17	PRINCIPAL PAYMENT	0.00	2,523.93	2,605.18	(81.25)	0.00
936214	36225E2M3	GNMA II POOL #0082579	VAR RT	07/20/40	3,717.660	03/01/17	PRINCIPAL PAYMENT	0.00	3,717.66	3,837.33	(119.67)	0.00
936214	36225E2M3	GNMA II POOL #0082579	VAR RT	07/20/40	3,734.360	04/01/17	PRINCIPAL PAYMENT	0.00	3,734.36	3,854.57	(120.21)	0.00
936214	36225E2M3	GNMA II POOL #0082579	VAR RT	07/20/40	3,301.900	05/01/17	PRINCIPAL PAYMENT	0.00	3,301.90	3,408.19	(106.29)	0.00
936214	36225E2M3	GNMA II POOL #0082579	VAR RT	07/20/40	197,860.940	05/11/17	VIKING SPARKS	0.00	204,260.50	204,230.08	30.42	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	582.020	01/01/17	PRINCIPAL PAYMENT	0.00	582.02	600.88	(18.86)	3,215.87
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	863.300	02/01/17	PRINCIPAL PAYMENT	0.00	863.30	891.27	(27.97)	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	604.450	03/01/17	PRINCIPAL PAYMENT	0.00	604.45	624.03	(19.58)	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	599.370	04/01/17	PRINCIPAL PAYMENT	0.00	599.37	618.79	(19.42)	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	12,264.360	05/01/17	PRINCIPAL PAYMENT	0.00	12,264.36	12,661.73	(397.37)	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	12,357.020	06/01/17	PRINCIPAL PAYMENT	0.00	12,357.02	12,757.39	(400.37)	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	509.020	07/01/17	PRINCIPAL PAYMENT	0.00	509.02	525.51	(16.49)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3C: FIXED INCOME SECURITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	530,280	08/01/17	PRINCIPAL PAYMENT	0.00	530.28	547.46	(17.18)	0.00
936214	36225EYB2	GNMA II POOL #0082505	VAR RT	03/20/40	188,064.510	08/15/17	PERSHING LLC, JERSEY CITY	0.00	194,235.38	194,157.80	77.58	0.00
936214	36225FBE8	GNMA II POOL #0082736	VAR RT	02/20/41	3,209.790	01/01/17	PRINCIPAL PAYMENT	0.00	3,209.79	3,318.86	(109.07)	1,807.43
936214	36225FBE8	GNMA II POOL #0082736	VAR RT	02/20/41	2,706.04	02/01/17	PRINCIPAL PAYMENT	0.00	2,706.04	2,797.99	(91.95)	0.00
936214	36225FBE8	GNMA II POOL #0082736	VAR RT	02/20/41	2,422.110	03/01/17	PRINCIPAL PAYMENT	0.00	2,422.11	2,504.41	(82.30)	0.00
936214	36225FBE8	GNMA II POOL #0082736	VAR RT	02/20/41	6,928.600	04/01/17	PRINCIPAL PAYMENT	0.00	6,928.60	7,164.03	(235.43)	0.00
936214	36225FBE8	GNMA II POOL #0082736	VAR RT	02/20/41	2,237.500	05/01/17	PRINCIPAL PAYMENT	0.00	2,237.50	2,313.53	(76.03)	0.00
936214	36225FBE8	GNMA II POOL #0082736	VAR RT	02/20/41	179,259.380	05/10/17	VIKING SPARKS	0.00	184,245.03	185,350.62	(1,105.59)	0.00
936214	38141GVU5	GOLDMAN SACHS GROUP INC/THE	2.625	04/25/21	150,000.000	01/31/17	STIFEL NICOLAUS	0.00	149,010.00	148,911.00	99.00	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	22,063.260	01/01/17	PRINCIPAL PAYMENT	0.00	22,063.26	22,465.62	(402.36)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	9,081.620	02/01/17	PRINCIPAL PAYMENT	0.00	9,081.62	9,247.24	(165.62)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	15,845.090	03/01/17	PRINCIPAL PAYMENT	0.00	15,845.09	16,134.05	(288.96)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	21,554.610	04/01/17	PRINCIPAL PAYMENT	0.00	21,554.61	21,947.70	(393.09)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	9,532.580	05/01/17	PRINCIPAL PAYMENT	0.00	9,532.58	9,706.42	(173.84)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	13,336.990	06/01/17	PRINCIPAL PAYMENT	0.00	13,336.99	13,580.21	(243.22)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	14,118.210	07/01/17	PRINCIPAL PAYMENT	0.00	14,118.21	14,375.68	(257.47)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	9,960.930	08/01/17	PRINCIPAL PAYMENT	0.00	9,960.93	10,142.59	(181.66)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	9,398.770	09/01/17	PRINCIPAL PAYMENT	0.00	9,398.77	9,570.17	(171.40)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	18,793.370	10/01/17	PRINCIPAL PAYMENT	0.00	18,793.37	19,125.92	(342.55)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	6,473.730	11/01/17	PRINCIPAL PAYMENT	0.00	6,473.73	6,591.79	(118.06)	0.00
936214	38379JA68	GNMA GTD REMIC P/T 15-36 MH	3.000	09/20/40	11,611.720	12/01/17	PRINCIPAL PAYMENT	0.00	11,611.72	11,823.48	(211.76)	0.00
936214	40429CGD8	HSBC FINANCE CORP	6.676	01/15/21	355,000.000	09/12/17	TENDER OFFER	0.00	397,035.55	399,034.20	(1,998.65)	0.00
936214	44987CAM0	ING BANK NV 144A	2.750	03/22/21	250,000.000	05/31/17	PERSHING LLC, JERSEY CITY	0.00	253,062.50	251,072.50	1,990.00	4,831.60
936214	46642JAG0	JP MORGAN CHASE COM BXH C 144A	VAR RT	04/15/27	200,000.000	07/17/17	CALLED BOND	0.00	200,000.00	197,469.00	2,531.00	3,003.20
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	2,194.600	01/01/17	PRINCIPAL PAYMENT	0.00	2,194.60	2,208.99	(14.39)	4,341.64
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	2,303.400	02/01/17	PRINCIPAL PAYMENT	0.00	2,303.40	2,318.51	(15.11)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	2,265.050	03/01/17	PRINCIPAL PAYMENT	0.00	2,265.05	2,279.91	(14.86)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	285.200	04/01/17	PRINCIPAL PAYMENT	0.00	285.20	266.94	(18.26)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	736.320	05/01/17	PRINCIPAL PAYMENT	0.00	736.32	741.15	(4.83)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	788.220	06/01/17	PRINCIPAL PAYMENT	0.00	788.22	793.39	(5.17)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	1,170.110	07/01/17	PRINCIPAL PAYMENT	0.00	1,170.11	1,177.79	(7.68)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	1,409.620	08/01/17	PRINCIPAL PAYMENT	0.00	1,409.62	1,418.87	(9.25)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	1,186.760	09/01/17	PRINCIPAL PAYMENT	0.00	1,186.76	1,194.54	(7.78)	0.00
936214	46647CAF2	JP MORGAN MORTGAGE 2 2A1 144A	VAR RT	06/25/46	180,571.928	09/25/17	J.P. MORGAN CLEARING CORP, NE	0.00	181,587.65	181,756.35	(168.70)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	2,062.020	06/01/17	PRINCIPAL PAYMENT	0.00	2,062.02	2,097.62	(35.60)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	4,971.870	07/01/17	PRINCIPAL PAYMENT	0.00	4,971.87	5,057.71	(85.84)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	6,003.880	08/01/17	PRINCIPAL PAYMENT	0.00	6,003.88	6,107.54	(103.66)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	6,490.250	09/01/17	PRINCIPAL PAYMENT	0.00	6,490.25	6,602.31	(112.06)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	6,672.190	10/01/17	PRINCIPAL PAYMENT	0.00	6,672.19	6,787.39	(115.20)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	9,184.240	11/01/17	PRINCIPAL PAYMENT	0.00	9,184.24	9,342.81	(158.57)	0.00
936214	46648HAC7	JP MORGAN MORTGAGE T 2 A3 144A	VAR RT	05/25/47	5,911.460	12/01/17	PRINCIPAL PAYMENT	0.00	5,911.46	6,013.53	(102.07)	0.00
936214	47770VAZ3	JOBSHIO BEVERAGE SYS STWD LI	4.532	01/01/35	550,000.000	11/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	611,864.00	596,596.05	15,267.95	18,140.59
936214	52602EAD4	BLACK KNIGHT INFOSERV LLC / BL	5.750	04/15/23	950,000.000	04/26/17	CALLED BOND	0.00	995,838.13	995,125.00	713.13	28,981.60
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	250,000.000	02/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	308,545.00	308,918.00	(373.00)	22,848.26
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	100,000.000	06/16/17	RAYMOND JAMES/FI, SAINT PETER	0.00	128,239.00	122,597.57	5,641.43	0.00
936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	100,000.000	09/14/17	RAYMOND JAMES/FI, SAINT PETER	0.00	128,679.00	125,186.65	3,492.35	0.00

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936214	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	350,000.000	10/04/17	RAYMOND JAMES/FI, SAINT PETER	0.00	445,637.50	438,153.28	7,484.22	0.00
936214	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	115,000.000	07/10/17	BB&T SECURITIES, LLC, RICHMONI	0.00	157,425.80	154,190.02	3,235.78	40,580.85
936214	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	200,000.000	07/19/17	RAYMOND JAMES/FI, SAINT PETER	0.00	277,770.00	288,156.55	9,613.45	0.00
936214	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	100,000.000	08/02/17	RAYMOND JAMES/FI, SAINT PETER	0.00	139,648.00	134,078.28	5,569.72	0.00
936214	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	285,000.000	09/26/17	RAYMOND JAMES/FI, SAINT PETER	0.00	397,897.05	387,055.40	10,841.65	0.00
936214	56501RAC0	MANULIFE FINANCIAL CORP	4.150	03/04/26	250,000.000	02/22/17	FTN FINANCIAL SECURITIES CORP	0.00	262,612.50	261,002.50	1,610.00	24,352.43
936214	56501RAC0	MANULIFE FINANCIAL CORP	4.150	03/04/26	500,000.000	08/07/17	FTN FINANCIAL SECURITIES CORP	0.00	535,800.00	522,005.00	13,795.00	0.00
936214	570535AQ7	MARKEL CORP	5.000	04/05/46	300,000.000	11/02/17	FTN FINANCIAL SECURITIES CORP	0.00	334,941.00	301,725.00	33,216.00	16,166.67
936214	575718AF8	MASSACHUSETTS INSTITUTE OF TE	3.885	07/01/16	375,000.000	07/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	318,585.00	320,835.00	(2,250.00)	6,151.25
936214	57604TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	150,000.000	06/01/17	RAYMOND JAMES/FI, SAINT PETER	0.00	192,514.50	190,357.50	2,157.00	0.00
936214	57604TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	150,000.000	10/24/17	RAYMOND JAMES/FI, SAINT PETER	0.00	194,622.00	195,777.00	(1,155.00)	0.00
936214	58516NAA2	MEGA ADVANCE INVESTMENTS 144	5.000	05/12/21	200,000.000	09/18/17	MORGAN STANLEY & CO INC, NY	0.00	267,900.00	267,137.50	762.50	10,694.44
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICA1	7.336	11/15/39	250,000.000	02/07/17	BB&T SECURITIES, LLC, RICHMONI	0.00	293,322.00	294,060.49	(738.49)	0.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICA1	7.336	11/15/39	310,000.000	03/22/17	RAYMOND JAMES/FI, SAINT PETER	0.00	456,140.20	452,882.51	3,257.69	0.00
936214	59259NZH9	MET TRANSPRTN AUTH NY DEDICA1	7.336	11/15/39	215,000.000	11/27/17	RAYMOND JAMES/FI, SAINT PETER	0.00	332,708.20	317,516.00	15,192.20	0.00
936214	60920LAC8	MONDELEZ INTERNATIONAL HO 144	2.000	10/28/21	300,000.000	05/17/17	RAYMOND JAMES/FI, SAINT PETER	0.00	291,657.00	287,412.00	4,245.00	3,400.00
936214	617446C23	MORGAN STANLEY	5.450	01/09/17	500,000.000	01/09/17	MATURITY	0.00	500,000.00	500,245.00	(245.00)	13,625.00
936214	61744YAH1	MORGAN STANLEY	2.750	05/19/22	500,000.000	05/16/17	STIFEL NICOLAUS	0.00	499,190.00	498,955.00	235.00	0.00
936214	61744YAH1	MORGAN STANLEY	2.750	05/19/22	500,000.000	05/16/17	UBS FINANCIAL SERVICES INC, WI	0.00	499,420.00	498,955.00	465.00	0.00
936214	64966H4K3	NEW YORK NY	5.517	10/01/37	125,000.000	10/25/17	RAYMOND JAMES/FI, SAINT PETER	0.00	156,195.00	151,076.25	5,118.75	0.00
936214	64966HTX8	NEW YORK NY	5.985	12/01/36	175,000.000	02/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	218,977.50	218,575.00	402.50	2,182.03
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	125,000.000	01/23/17	RAYMOND JAMES/FI, SAINT PETER	0.00	152,407.50	150,763.75	1,653.75	11,936.30
936214	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	155,000.000	06/26/17	BB&T SECURITIES, LLC, RICHMONI	0.00	196,991.05	190,428.26	6,561.79	0.00
936214	649902F29	NEW YORK ST DORM AUTH ST PER	5.389	03/15/40	200,000.000	10/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	252,618.00	248,843.99	3,774.01	0.00
936214	649902H48	NEW YORK ST DORM AUTH ST PER	5.427	03/15/40	255,000.000	02/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	356,931.00	363,900.00	(6,969.00)	8,352.95
936214	649902T37	NEW YORK ST DORM AUTH ST PER	5.600	03/15/40	75,000.000	01/10/17	RAYMOND JAMES/FI, SAINT PETER	0.00	93,132.00	92,340.00	792.00	5,804.63
936214	649902T37	NEW YORK ST DORM AUTH ST PER	5.600	03/15/40	250,000.000	11/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	317,687.50	320,102.00	(2,414.50)	8,998.89
936214	649902Z09	NEW YORK ST DORM AUTH ST PER	5.628	03/15/39	225,000.000	01/31/17	RAYMOND JAMES/FI, SAINT PETER	0.00	272,052.00	270,562.50	1,489.50	9,637.95
936214	649902Z09	NEW YORK ST DORM AUTH ST PER	5.628	03/15/39	200,000.000	08/15/17	RAYMOND JAMES/FI, SAINT PETER	0.00	251,784.00	243,134.00	8,650.00	0.00
936214	677632MV0	OHIO ST UNIV	4.910	06/01/40	405,000.000	08/30/17	RAYMOND JAMES/FI, SAINT PETER	0.00	492,455.70	471,764.55	20,691.15	14,914.13
936214	680223AK0	OLD REPUBLIC INTERNATIONAL COI	3.875	08/26/26	750,000.000	11/02/17	BB&T SECURITIES, LLC, RICHMONI	0.00	760,140.00	713,415.00	46,725.00	34,471.35
936214	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	625,000.000	03/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	786,225.00	789,087.50	(2,862.50)	0.00
936214	69335PCB9	PFS FINANCING CORP BA A 144A	1.870	10/15/21	350,000.000	09/07/17	J.P. MORGAN CLEARING CORP, NE	0.00	348,755.86	346,500.00	2,255.86	4,545.17
936214	69640GAA3	PALISADES CENTER T PLSD A 144A	2.713	04/13/33	550,000.000	01/16/17	FIRST CLEARING LLC, RICHMOND	0.00	549,484.38	547,833.06	1,651.32	12,807.53
936214	714295AB8	PERRIGO FINANCE UNLIMITED CO	3.500	12/15/21	350,000.000	10/13/17	BANK OF NEW YORK/VINNING SPA	0.00	352,023.00	352,807.00	(784.00)	3,650.70
936214	73358WJ3	PERRIGO FINANCE UNLIMITED CO	3.500	12/15/21	150,000.000	06/03/17	RAYMOND JAMES/FI, SAINT PETER	0.00	154,339.50	151,203.00	3,136.50	0.00
936214	73358WJ3	PORT AUTH OF NEW YORK & NEW J	6.040	12/01/29	175,000.000	01/13/17	RAYMOND JAMES/FI, SAINT PETER	0.00	218,284.50	218,313.75	(29.25)	1,409.33
936214	73358WCW2	PORT AUTH OF NEW YORK & NEW J	5.647	11/01/40	140,000.000	08/08/17	RAYMOND JAMES/FI, SAINT PETER	0.00	181,398.00	170,268.11	11,129.89	8,972.46
936214	73358WEK6	PORT AUTH OF NEW YORK & NEW J	4.926	10/01/51	200,000.000	08/29/17	RAYMOND JAMES/FI, SAINT PETER	0.00	137,820.90	127,701.09	10,119.81	0.00
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	7,959.220	06/01/17	PRINCIPAL PAYMENT	0.00	7,959.22	7,959.22	0.00	8,374.20
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	8,880.080	07/01/17	PRINCIPAL PAYMENT	0.00	8,880.08	8,880.08	0.00	0.00
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	9,437.060	08/01/17	PRINCIPAL PAYMENT	0.00	9,437.06	9,437.06	0.00	0.00
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	8,991.480	09/01/17	PRINCIPAL PAYMENT	0.00	8,991.48	8,991.48	0.00	0.00
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	8,908.250	10/01/17	PRINCIPAL PAYMENT	0.00	8,908.25	8,908.25	0.00	0.00

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Schedule 3C: FIXED INCOME SECURITIES SOLD DURING YEAR

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936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	8,771.540	11/01/17	PRINCIPAL PAYMENT	0.00	8,771.54	8,771.54	0.00	0.00
936214	83404JAA4	SOFI CONSUMER LOAN PR 3 A 144A	2.770	05/25/26	8,296.120	12/01/17	PRINCIPAL PAYMENT	0.00	8,296.12	8,296.12	0.00	0.00
936214	88947EAS9	TOLL BROTHERS FINANCE CORP	4.875	03/15/27	150,000.000	09/21/17	RAYMOND JAMES/FI, SAINT PETER	0.00	155,250.00	150,000.00	5,250.00	3,960.94
936214	89114QBG2	TORONTO-DOMINION BANK/THE	2.125	04/07/21	250,000.000	01/23/17	BANK OF NEW YORK/INNING SPA	0.00	246,497.50	246,177.50	320.00	1,608.51
936214	891906AC3	TOTAL SYSTEM SERVICES INC	4.800	04/01/26	475,000.000	11/06/17	FTN FINANCIAL SECURITIES CORP	0.00	519,574.00	511,822.00	7,752.00	25,143.33
936214	912796JA8	U S TREASURY BILL	0.000	02/02/17	1,000,000.000	01/09/17	FIRST TENNESSEE BANK BOND DI	0.00	999,686.94	999,650.10	36.84	0.00
936214	912810RPS	U S TREASURY BOND	3.000	11/15/45	0.000	00/00/00		0.00	0.00	0.00	0.00	(4,500.00)
936214	912810RS9	U S TREASURY BOND	2.500	05/15/46	200,000.000	04/03/17	FIRST TENNESSEE BANK BOND DI	0.00	179,000.00	177,734.00	1,266.00	1,947.51
936214	912810RT7	U S TREASURY BOND	2.250	08/15/46	100,000.000	01/27/17	FIRST TENNESSEE BANK BOND DI	0.00	83,921.88	84,082.00	(160.12)	1,027.17
936214	912810RU4	U S TREASURY BOND	2.875	11/15/46	300,000.000	01/19/17	FIRST TENNESSEE BANK BOND DI	0.00	290,343.75	289,641.00	702.75	10,616.19
936214	912810RU4	U S TREASURY BOND	2.875	11/15/46	100,000.000	02/08/17	FIRST TENNESSEE BANK BOND DI	0.00	97,890.63	96,547.00	1,343.63	0.00
936214	912810RU4	U S TREASURY BOND	2.875	11/15/46	500,000.000	08/09/17	FIRST TENNESSEE BANK BOND DI	0.00	499,375.00	486,171.88	13,203.12	0.00
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	300,000.000	05/03/17	ARBOR RESEARCH & TRADING, IN	0.00	302,671.88	296,245.74	6,426.14	11,063.54
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	500,000.000	05/05/17	ARBOR RESEARCH & TRADING, IN	0.00	500,859.38	493,742.90	7,116.48	0.00
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	500,000.000	06/01/17	ARBOR RESEARCH & TRADING, IN	0.00	511,718.75	496,441.77	15,276.98	0.00
936214	912810RV2	U S TREASURY BOND	3.000	02/15/47	100,000.000	06/28/17	ARBOR RESEARCH & TRADING, IN	0.00	106,312.50	99,288.35	7,024.15	0.00
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	500,000.000	09/01/17	ARBOR RESEARCH & TRADING, IN	0.00	525,468.75	517,938.37	7,530.38	0.00
936214	912810RX8	U S TREASURY BOND	3.000	05/15/47	500,000.000	10/31/17	ARBOR RESEARCH & TRADING, IN	0.00	512,031.25	517,938.37	(5,907.12)	0.00
936214	9128282R0	U S TREASURY NOTE	2.250	08/15/27	500,000.000	10/24/17	ARBOR RESEARCH & TRADING, IN	0.00	493,359.38	501,705.73	(8,346.35)	0.00
936214	9128282R0	U S TREASURY NOTE	2.250	08/15/27	500,000.000	10/26/17	ARBOR RESEARCH & TRADING, IN	0.00	491,562.50	501,705.73	(10,143.23)	0.00
936214	912828P46	U S TREASURY NOTE	1.625	02/15/26	300,000.000	01/31/17	ARBOR RESEARCH & TRADING, IN	0.00	280,218.75	280,314.00	(95.25)	8,515.66
936214	912828P46	U S TREASURY NOTE	1.625	02/15/26	200,000.000	02/01/17	FIRST TENNESSEE BANK BOND DI	0.00	186,093.75	186,876.00	(782.25)	0.00
936214	912828P46	U S TREASURY NOTE	1.625	02/15/26	200,000.000	03/08/17	FIRST TENNESSEE BANK BOND DI	0.00	185,437.50	186,876.00	(1,438.50)	0.00
936214	912828P46	U S TREASURY NOTE	1.625	02/15/26	300,000.000	03/20/17	FIRST TENNESSEE BANK BOND DI	0.00	280,453.13	280,314.00	139.13	0.00
936214	912828R36	U S TREASURY NOTE	1.625	05/15/26	1,000,000.000	02/28/17	ARBOR RESEARCH & TRADING, IN	0.00	938,125.00	933,750.00	4,375.00	19,202.25
936214	912828R36	U S TREASURY NOTE	1.625	05/15/26	500,000.000	05/16/17	ARBOR RESEARCH & TRADING, IN	0.00	472,031.25	466,875.00	5,156.25	0.00
936214	912828R36	U S TREASURY NOTE	1.625	05/15/26	800,000.000	08/29/17	ARBOR RESEARCH & TRADING, IN	0.00	770,375.00	747,000.00	23,375.00	0.00
936214	912828U24	U S TREASURY NOTE	2.000	11/15/26	200,000.000	01/17/17	ARBOR RESEARCH & TRADING, IN	0.00	194,218.75	194,562.50	(343.75)	13,657.25
936214	912828U24	U S TREASURY NOTE	2.000	11/15/26	200,000.000	03/08/17	FIRST TENNESSEE BANK BOND DI	0.00	190,125.00	193,927.08	(3,802.08)	0.00
936214	912828U24	U S TREASURY NOTE	2.000	11/15/26	300,000.000	08/08/17	FIRST TENNESSEE BANK BOND DI	0.00	293,671.88	290,890.63	2,781.25	0.00
936214	912828U24	U S TREASURY NOTE	2.000	11/15/26	400,000.000	10/11/17	ARBOR RESEARCH & TRADING, IN	0.00	389,437.50	387,854.17	1,583.33	0.00
936214	912828V98	U S TREASURY NOTE	2.250	02/15/27	300,000.000	05/05/17	ARBOR RESEARCH & TRADING, IN	0.00	296,906.25	297,826.48	(920.23)	24,408.46
936214	912828V98	U S TREASURY NOTE	2.250	02/15/27	500,000.000	06/01/17	ARBOR RESEARCH & TRADING, IN	0.00	500,625.00	495,621.67	5,003.33	0.00
936214	912828V98	U S TREASURY NOTE	2.250	02/15/27	500,000.000	06/02/17	ARBOR RESEARCH & TRADING, IN	0.00	501,171.88	495,621.68	5,550.20	0.00
936214	912828V98	U S TREASURY NOTE	2.250	02/15/27	500,000.000	06/09/17	FIRST TENNESSEE BANK BOND DI	0.00	501,171.88	495,621.67	5,550.21	0.00
936214	912828V98	U S TREASURY NOTE	2.250	02/15/27	400,000.000	09/12/17	ARBOR RESEARCH & TRADING, IN	0.00	403,125.00	396,977.40	6,147.60	0.00
936214	912828V98	U S TREASURY NOTE	2.250	02/15/27	500,000.000	10/02/17	FIRST TENNESSEE BANK BOND DI	0.00	496,171.88	486,221.74	(9,950.14)	0.00
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	300,000.000	08/10/17	ARBOR RESEARCH & TRADING, IN	0.00	303,703.13	302,777.35	925.78	24,801.97
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	500,000.000	09/20/17	FIRST TENNESSEE BANK BOND DI	0.00	504,375.00	504,628.91	(253.91)	0.00
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	500,000.000	10/03/17	ARBOR RESEARCH & TRADING, IN	0.00	501,796.88	504,628.91	(2,832.03)	0.00
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	1,000,000.000	10/03/17	FIRST TENNESSEE BANK BOND DI	0.00	501,796.88	504,628.91	(2,832.03)	0.00
936214	912828X88	U S TREASURY NOTE	2.375	05/15/27	300,000.000	10/06/17	ARBOR RESEARCH & TRADING, IN	0.00	1,000,156.25	1,009,257.81	(9,101.56)	0.00
936214	912828XB1	U S TREASURY NOTE	2.125	05/15/25	300,000.000	03/07/17	ARBOR RESEARCH & TRADING, IN	0.00	292,593.75	294,093.00	(1,499.25)	1,989.99
936214	912828XW5	U S TREASURY NOTE	1.750	06/30/22	300,000.000	10/26/17	ARBOR RESEARCH & TRADING, IN	0.00	493,359.38	497,939.69	(4,570.31)	4,783.96
936214	912828XW5	U S TREASURY NOTE	1.750	06/30/22	300,000.000	11/13/17	FIRST TENNESSEE BANK NA BD D	0.00	295,968.75	298,757.81	(2,789.06)	0.00
936214	949746SA0	WELLS FARGO & CO	2.100	07/26/21	200,000.000	02/21/17	STIFEL NICOLAUS	0.00	195,396.00	194,612.00	784.00	2,438.34

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 3C: FIXED INCOME SECURITIES SOLD DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY DATE</u>	<u>PAR VALUE</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>PROCEEDS FROM SALE</u>	<u>BOOK VALUE</u>	<u>PROFIT/LOSS ON SALE</u>	<u>INTEREST RECEIVED DURING YEAR</u>
936214	966244AA3	WHITEWAVE FOODS CO/THE	5.375	10/01/22	500,000.000	05/05/17	RAYMOND JAMES/FI, SAINT PETER	0.00	557,090.00	547,500.00	9,590.00	17,598.96
936214	983919AJ0	XILINX INC	2.950	06/01/24	150,000.000	07/17/17	PIPER JAFFRAY & CO, MINNEAPOL	0.00	151,099.50	149,830.50	1,269.00	614.58
SCHEDULE TOTALS										48,098,540.25	432,942.11	706,291.92
										TOTAL PROFIT	536,434.06	
										TOTAL LOSS	103,491.95	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 4A: EQUITIES OWNED AT END OF YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	PRICE PER SHARE	MARKET VALUE AT END OF YEAR	CHANGE IN MARKET VALUE INCR/DECR	DIVIDENDS RECEIVED DURING YEAR
936214	003654100	ABIOMED INC	9,000.000	187.41000	1,686,690.00	142,674.28	0.00
936214	00724F101	ADOBE SYSTEMS INC	10,000.000	175.24000	1,752,400.00	492,531.52	0.00
936214	008252108	AFFILIATED MANAGERS GROUP INC	7,000.000	205.25000	1,436,750.00	133,714.76	3,100.00
936214	016255101	ALIGN TECHNOLOGY INC	7,500.000	222.19000	1,666,425.00	750,962.83	0.00
936214	02079K305	ALPHABET INC-CL A	2,500.000	1053.40000	2,633,500.00	289,764.01	0.00
936214	023135106	AMAZON.COM INC	2,600.000	1169.47000	3,040,622.00	679,864.79	0.00
936214	037833100	APPLE INC	16,000.000	169.23000	2,707,680.00	511,182.12	32,592.00
936214	038222105	APPLIED MATERIALS INC	18,000.000	51.12000	920,160.00	77,112.69	5,000.00
936214	03836W103	AQUA AMERICA INC	7,500.000	39.23000	294,225.00	(951.00)	0.00
936214	040413106	ARISTA NETWORKS INC	8,500.000	235.58000	2,002,430.00	604,060.29	0.00
936214	053611109	AVERY DENNISON CORP	22,000.000	114.86000	2,526,920.00	365,188.75	13,050.00
936214	084670702	BERKSHIRE HATHAWAY INC	4,300.000	198.22000	852,346.00	2,550.49	0.00
936214	172967424	CITIGROUP INC	22,500.000	74.41000	1,674,225.00	(1,443.09)	15,280.00
936214	192422103	COGNEX CORP	20,000.000	61.16000	1,223,200.00	558,353.65	9,880.00
936214	21240D107	CONTROL4 CORP	22,500.000	29.76000	669,600.00	131,099.60	0.00
936214	232109108	CUTERA INC	18,500.000	45.35000	838,975.00	257,680.92	0.00
936214	254687106	WALT DISNEY CO/THE	8,500.000	107.51000	913,835.00	(11,516.65)	0.00
936214	34958J108	FORTIVE CORP	17,500.000	72.35000	1,266,125.00	239,724.44	10,045.00
936214	45780L104	INOGEN INC	8,000.000	119.08000	952,640.00	106,267.02	0.00
936214	464287234	ISHARES MSCI EMERGING MARKET	50,000.000	47.12000	2,356,000.00	156,495.55	37,894.73
936214	46625H100	JPMORGAN CHASE & CO	25,500.000	106.94000	2,726,970.00	187,680.85	5,600.00
936214	478160104	JOHNSON & JOHNSON	11,000.000	139.72000	1,536,920.00	71,018.65	27,800.00
936214	55306N104	MKS INSTRUMENTS INC	8,000.000	94.50000	756,000.00	149,249.27	18,892.50
936214	56418H100	MANPOWERGROUP INC	17,500.000	126.11000	2,206,925.00	112,700.99	30,876.00
936214	56585A102	MARATHON PETROLEUM CORP	28,000.000	65.98000	1,847,440.00	242,851.28	20,080.00
936214	574599106	MASCO CORP	21,500.000	43.94000	944,710.00	170,089.68	12,422.50
936214	57636Q104	MASTERCARD INC	20,000.000	151.36000	3,027,200.00	116,465.15	1,100.00
936214	595017104	MICROCHIP TECHNOLOGY INC	5,000.000	87.88000	439,400.00	89,355.05	38,515.75
936214	608190104	MOHAWK INDUSTRIES INC	5,800.000	275.90000	1,600,220.00	181,305.80	0.00
936214	64110L106	NETFLIX INC	7,100.000	191.96000	1,362,916.00	49,699.00	0.00
936214	64125C109	NEUROCRINE BIOSCIENCES INC	4,500.000	77.59000	349,155.00	175,005.00	0.00
936214	690742101	OWENS CORNING	26,500.000	91.94000	2,436,410.00	467,075.85	7,000.00
936214	693475105	PNC FINANCIAL SERVICES GROUP I	15,000.000	144.29000	2,164,350.00	65,389.75	5,250.00
936214	70450Y103	PAYPAL HOLDINGS INC	19,500.000	73.62000	1,435,590.00	(36,157.40)	0.00
936214	74758T303	QUALYS INC	17,500.000	59.35000	1,038,625.00	63,298.00	0.00
936214	776896106	ROPER TECHNOLOGIES INC	3,600.000	259.00000	932,400.00	93,335.51	4,480.00
936214	78486Q101	SVB FINANCIAL GROUP	11,500.000	233.77000	2,688,355.00	254,520.17	0.00
936214	79466L302	SALESFORCE.COM INC	24,500.000	102.23000	2,504,635.00	312,500.43	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 4A: EQUITIES OWNED AT END OF YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>SHARES</u>	<u>PRICE PER SHARE</u>	<u>MARKET VALUE AT END OF YEAR</u>	<u>CHANGE IN MARKET VALUE INCR/DECR</u>	<u>DIVIDENDS RECEIVED DURING YEAR</u>
936214	80105N113	SANOFI	8,000,000	0.38000	3,040.00	0.00	0.00
936214	824348106	SHERWIN-WILLIAMS CO/THE	3,500,000	410.04000	1,435,140.00	102,272.35	3,655.00
936214	831865209	AO SMITH CORP	15,400,000	61.28000	943,712.00	141,431.11	20,100.00
936214	861012102	STMICROELECTRONICS NV	47,500,000	21.84000	1,037,400.00	27,038.99	2,422.50
936214	863667101	STRYKER CORP	13,000,000	154.84000	2,012,920.00	328,648.36	21,462.50
936214	883556102	THERMO FISHER SCIENTIFIC INC	3,100,000	189.88000	588,628.00	(13,644.11)	975.00
936214	88579Y101	3M CO	7,500,000	235.37000	1,765,275.00	(3,561.15)	4,700.00
936214	91324P102	UNITEDHEALTH GROUP INC	11,000,000	220.46000	2,425,060.00	180,295.33	15,375.00
936214	92532F100	VERTEX PHARMACEUTICALS INC	4,000,000	149.86000	599,440.00	(36,558.00)	0.00
936214	92826C839	VISA INC	29,500,000	114.02000	3,363,590.00	781,796.16	17,715.00
936214	98978V103	ZOETIS INC	14,000,000	72.04000	1,008,560.00	106,118.38	6,405.00
936214	G06242104	ATLASSIAN CORP PLC	14,000,000	45.52000	637,280.00	(80,732.56)	0.00
936214	Y09827109	BROADCOM LTD	7,600,000	256.90000	1,952,440.00	333,629.76	47,470.00
SCHEDULE TOTALS					79,185,454.00	10,117,434.62	439,138.48
					TOTAL INCREASE	10,301,998.58	
					TOTAL DECREASE	184,563.96	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 4B: EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST	
							INCLUDING	COMMISSION
936214	003654100	ABIOMED INC	1,200.000	09/18/17	MORGAN STANLEY & CO INC, NY	72.00	190,272.12	
936214	003654100	ABIOMED INC	1,200.000	09/19/17	MORGAN STANLEY & CO INC, NY	72.00	188,587.68	
936214	003654100	ABIOMED INC	1,300.000	09/22/17	BLOOMBERG TRADEBOOK, NEW Y	39.00	212,331.47	
936214	003654100	ABIOMED INC	800.000	10/02/17	INSTINET CORP, NEW YORK	32.00	136,265.20	
936214	003654100	ABIOMED INC	1,000.000	10/11/17	BLOOMBERG TRADEBOOK LLC, NI	30.00	172,634.90	
936214	003654100	ABIOMED INC	1,000.000	10/12/17	INSTINET CLEARING SER INC, NEV	40.00	172,657.70	
936214	003654100	ABIOMED INC	1,000.000	10/13/17	MORGAN STANLEY & CO INC, NY	60.00	174,570.70	
936214	003654100	ABIOMED INC	1,500.000	11/29/17	J.P. MORGAN SECURITIES INC, NEI	75.00	296,695.95	
936214	00724F101	ADOBE SYSTEMS INC	2,500.000	02/15/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	295,026.75	
936214	00724F101	ADOBE SYSTEMS INC	1,500.000	02/21/17	J.P. MORGAN CLEARING CORP, NI	75.00	180,091.65	
936214	00724F101	ADOBE SYSTEMS INC	1,500.000	02/27/17	INSTINET CORP, NEW YORK	60.00	177,718.50	
936214	00724F101	ADOBE SYSTEMS INC	2,000.000	03/21/17	MORGAN STANLEY & CO INC, NY	120.00	251,134.40	
936214	00724F101	ADOBE SYSTEMS INC	2,000.000	04/18/17	MORGAN STANLEY & CO INC, NY	120.00	259,754.40	
936214	00724F101	ADOBE SYSTEMS INC	2,000.000	06/07/17	J.P. MORGAN CLEARING CORP, NI	100.00	286,880.80	
936214	00724F101	ADOBE SYSTEMS INC	2,000.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	0.00	275,405.60	
936214	00724F101	ADOBE SYSTEMS INC	2,000.000	09/19/17	INSTINET CORP, NEW YORK	80.00	313,991.00	
936214	00724F101	ADOBE SYSTEMS INC	1,500.000	11/16/17	MORGAN STANLEY & CO INC, NY	90.00	271,862.40	
936214	008252108	AFFILIATED MANAGERS GROUP INC	5,000.000	07/19/17	MORGAN STANLEY & CO INC, NY	300.00	886,639.00	
936214	008252108	AFFILIATED MANAGERS GROUP INC	1,000.000	07/24/17	MORGAN STANLEY & CO INC, NY	60.00	179,941.40	
936214	008252108	AFFILIATED MANAGERS GROUP INC	500.000	07/27/17	BLOOMBERG TRADEBOOK, NEW Y	15.00	89,276.25	
936214	008252108	AFFILIATED MANAGERS GROUP INC	3,500.000	08/08/17	MORGAN STANLEY & CO INC, NY	210.00	635,546.10	
936214	008252108	AFFILIATED MANAGERS GROUP INC	1,000.000	09/19/17	INSTINET CORP, NEW YORK	40.00	181,898.30	
936214	008252108	AFFILIATED MANAGERS GROUP INC	1,500.000	10/06/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	291,515.40	
936214	008252108	AFFILIATED MANAGERS GROUP INC	1,000.000	10/12/17	MORGAN STANLEY & CO INC, NY	60.00	195,133.50	
936214	008252108	AFFILIATED MANAGERS GROUP INC	1,500.000	10/13/17	MORGAN STANLEY & CO INC, NY	90.00	290,999.55	
936214	008252108	AFFILIATED MANAGERS GROUP INC	2,000.000	10/17/17	J.P. MORGAN SECURITIES INC, NEI	100.00	389,038.00	
936214	008252108	AFFILIATED MANAGERS GROUP INC	2,500.000	02/21/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	255,760.00	
936214	016255101	ALIGN TECHNOLOGY INC	2,000.000	03/02/17	MORGAN STANLEY & CO INC, NY	120.00	208,079.40	
936214	016255101	ALIGN TECHNOLOGY INC	2,000.000	03/16/17	J.P. MORGAN CLEARING CORP, NI	100.00	220,672.00	
936214	016255101	ALIGN TECHNOLOGY INC	2,000.000	03/21/17	MORGAN STANLEY & CO INC, NY	120.00	225,779.20	
936214	016255101	ALIGN TECHNOLOGY INC	2,500.000	04/18/17	MORGAN STANLEY & CO INC, NY	150.00	287,687.75	
936214	016255101	ALIGN TECHNOLOGY INC	1,500.000	07/17/17	INSTINET CORP, NEW YORK	60.00	235,101.30	
936214	016255101	ALIGN TECHNOLOGY INC	2,000.000	08/08/17	MORGAN STANLEY & CO INC, NY	120.00	348,137.20	
936214	016255101	ALIGN TECHNOLOGY INC	1,500.000	09/12/17	J.P. MORGAN CLEARING CORP, NI	75.00	277,636.05	
936214	02079K305	ALPHABET INC-CL A	200.000	02/15/17	MORGAN STANLEY & CO INC, NY	12.00	167,850.48	
936214	02079K305	ALPHABET INC-CL A	400.000	05/05/17	J.P. MORGAN CLEARING CORP, NI	20.00	380,256.52	
936214	02079K305	ALPHABET INC-CL A	100.000	05/16/17	MORGAN STANLEY & CO INC, NY	6.00	96,477.75	
936214	02079K305	ALPHABET INC-CL A	300.000	06/09/17	J.P. MORGAN CLEARING CORP, NI	15.00	301,204.29	

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	02079K305	ALPHABET INC-CL A	300.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	0.00	288,004.20
936214	02079K305	ALPHABET INC-CL A	300.000	11/27/17	BLOOMBERG TRADEBOOK LLC, NI	9.00	320,996.25
936214	02079K305	ALPHABET INC-CL A	300.000	12/11/17	MORGAN STANLEY & CO INC, NY	18.00	316,325.58
936214	02079K305	ALPHABET INC-CL A	200.000	12/18/17	INSTINET CLEARING SER INC, NEV	8.00	216,787.24
936214	02079K305	ALPHABET INC-CL A	200.000	12/19/17	BLOOMBERG TRADEBOOK LLC, NI	6.00	215,383.70
936214	023135106	AMAZON.COM INC	300.000	03/21/17	J.P. MORGAN CLEARING CORP, NE	15.00	254,670.00
936214	023135106	AMAZON.COM INC	200.000	04/06/17	J.P. MORGAN CLEARING CORP, NE	10.00	181,410.00
936214	023135106	AMAZON.COM INC	300.000	04/11/17	MORGAN STANLEY & CO INC, NY	18.00	269,751.54
936214	023135106	AMAZON.COM INC	300.000	05/09/17	BLOOMBERG TRADEBOOK, NEW Y	9.00	286,469.64
936214	023135106	AMAZON.COM INC	200.000	05/16/17	MORGAN STANLEY & CO INC, NY	12.00	193,533.76
936214	023135106	AMAZON.COM INC	200.000	11/16/17	MORGAN STANLEY & CO INC, NY	12.00	227,256.68
936214	023135106	AMAZON.COM INC	300.000	11/27/17	BLOOMBERG TRADEBOOK LLC, NI	9.00	359,850.96
936214	023135106	AMAZON.COM INC	200.000	12/12/17	J.P. MORGAN SECURITIES INC, NEI	10.00	234,351.58
936214	03027X100	AMERICAN TOWER CORP	5,500.000	05/10/17	J.P. MORGAN CLEARING CORP, NE	275.00	702,292.80
936214	03027X100	AMERICAN TOWER CORP	2,000.000	05/16/17	MORGAN STANLEY & CO INC, NY	120.00	256,985.80
936214	03027X100	AMERICAN TOWER CORP	1,500.000	06/07/17	INSTINET CORP, NEW YORK	60.00	197,175.45
936214	03027X100	AMERICAN TOWER CORP	1,500.000	07/17/17	INSTINET CORP, NEW YORK	60.00	203,014.35
936214	03027X100	AMERICAN TOWER CORP	4,500.000	08/24/17	BLOOMBERG TRADEBOOK, NEW Y	135.00	646,316.10
936214	03027X100	AMERICAN TOWER CORP	8,000.000	09/11/17	MORGAN STANLEY & CO INC, NY	480.00	1,168,517.60
936214	032654105	ANALOG DEVICES INC	5,000.000	02/14/17	MORGAN STANLEY & CO INC, NY	300.00	388,152.50
936214	032654105	ANALOG DEVICES INC	7,500.000	02/15/17	BLOOMBERG TRADEBOOK, NEW Y	225.00	588,145.50
936214	032654105	ANALOG DEVICES INC	3,000.000	02/27/17	INSTINET CORP, NEW YORK	120.00	245,134.20
936214	032654105	ANALOG DEVICES INC	2,500.000	03/13/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	206,862.00
936214	037833100	APPLE INC	1,000.000	03/03/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	139,101.60
936214	037833100	APPLE INC	1,000.000	03/13/17	MORGAN STANLEY & CO INC, NY	60.00	139,098.20
936214	037833100	APPLE INC	1,000.000	03/20/17	MORGAN STANLEY & CO INC, NY	60.00	141,221.30
936214	037833100	APPLE INC	1,700.000	03/27/17	INSTINET CORP, NEW YORK	68.00	238,418.37
936214	037833100	APPLE INC	1,700.000	04/05/17	MORGAN STANLEY & CO INC, NY	102.00	247,219.44
936214	037833100	APPLE INC	1,500.000	05/04/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	219,740.25
936214	037833100	APPLE INC	1,500.000	05/15/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	233,751.30
936214	037833100	APPLE INC	1,600.000	06/09/17	MORGAN STANLEY & CO INC, NY	96.00	248,174.88
936214	037833100	APPLE INC	1,500.000	11/01/17	MORGAN STANLEY & CO INC, NY	90.00	249,095.25
936214	037833100	APPLE INC	16,000.000	07/24/17	MORGAN STANLEY & CO INC, NY	960.00	750,212.80
936214	038222105	APPLIED MATERIALS INC	1,500.000	07/27/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	68,614.95
936214	038222105	APPLIED MATERIALS INC	15,000.000	09/14/17	BLOOMBERG TRADEBOOK, NEW Y	450.00	703,341.00
936214	038222105	APPLIED MATERIALS INC	7,500.000	12/27/17	MORGAN STANLEY & CO INC, NY	450.00	295,176.00
936214	03836W103	AQUA AMERICA INC	5,000.000	05/10/17	J.P. MORGAN CLEARING CORP, NE	250.00	726,714.00
936214	040413106	ARISTA NETWORKS INC	5,000.000	05/17/17	INSTINET CORP, NEW YORK	200.00	724,928.00

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936214	040413106	ARISTA NETWORKS INC	2,500.000	06/07/17	J.P. MORGAN CLEARING CORP, NE	125.00	389,392.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	07/27/17	INSTINET CORP, NEW YORK	40.00	152,229.80
936214	040413106	ARISTA NETWORKS INC	1,000.000	08/30/17	MORGAN STANLEY & CO INC, NY	60.00	177,494.30
936214	040413106	ARISTA NETWORKS INC	2,000.000	09/19/17	J.P. MORGAN SECURITIES INC, NE	100.00	366,114.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	12/18/17	MORGAN STANLEY & CO INC, NY	60.00	234,706.50
936214	045327103	ASPEN TECHNOLOGY INC	400.000	05/11/17	MORGAN STANLEY & CO INC, NY	24.00	23,409.36
936214	045327103	ASPEN TECHNOLOGY INC	6,600.000	05/12/17	MORGAN STANLEY & CO INC, NY	396.00	386,449.14
936214	053611109	EVERY DENNISON CORP	4,500.000	07/11/17	MORGAN STANLEY & CO INC, NY	270.00	414,194.85
936214	053611109	EVERY DENNISON CORP	2,500.000	07/17/17	J.P. MORGAN CLEARING CORP, NE	125.00	235,131.75
936214	053611109	EVERY DENNISON CORP	1,000.000	07/20/17	INSTINET CORP, NEW YORK	40.00	94,285.70
936214	053611109	EVERY DENNISON CORP	1,000.000	08/15/17	MORGAN STANLEY & CO INC, NY	60.00	93,585.20
936214	053611109	EVERY DENNISON CORP	2,000.000	09/14/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	190,997.20
936214	053611109	EVERY DENNISON CORP	2,000.000	09/19/17	J.P. MORGAN SECURITIES INC, NE	100.00	197,057.40
936214	053611109	EVERY DENNISON CORP	1,000.000	09/22/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	98,744.60
936214	053611109	EVERY DENNISON CORP	1,500.000	10/02/17	INSTINET CORP, NEW YORK	60.00	148,573.95
936214	053611109	EVERY DENNISON CORP	4,500.000	10/17/17	J.P. MORGAN SECURITIES INC, NE	225.00	457,162.20
936214	053611109	EVERY DENNISON CORP	2,000.000	12/18/17	J.P. MORGAN SECURITIES INC, NE	100.00	231,998.40
936214	067383109	CR BARD INC	500.000	03/06/17	MORGAN STANLEY & CO INC, NY	30.00	123,503.70
936214	067383109	CR BARD INC	800.000	03/16/17	J.P. MORGAN CLEARING CORP, NE	40.00	198,964.80
936214	067383109	CR BARD INC	1,000.000	03/20/17	J.P. MORGAN CLEARING CORP, NE	50.00	250,453.67
936214	067383109	CR BARD INC	1,000.000	03/23/17	J.P. MORGAN CLEARING CORP, NE	50.00	249,790.50
936214	067383109	CR BARD INC	1,200.000	04/11/17	MORGAN STANLEY & CO INC, NY	72.00	298,945.92
936214	067383109	CR BARD INC	800.000	04/13/17	J.P. MORGAN CLEARING CORP, NE	40.00	199,219.84
936214	067383109	CR BARD INC	1,500.000	04/18/17	J.P. MORGAN CLEARING CORP, NE	75.00	375,124.50
936214	084670702	BERKSHIRE HATHAWAY INC	3,000.000	12/14/17	J.P. MORGAN SECURITIES INC, NE	150.00	590,432.40
936214	084670702	BERKSHIRE HATHAWAY INC	800.000	12/18/17	INSTINET CLEARING SER INC, NE	32.00	159,812.96
936214	084670702	BERKSHIRE HATHAWAY INC	500.000	12/19/17	BLOOMBERG TRADEBOOK LLC, NI	15.00	99,550.15
936214	114340102	BROOKS AUTOMATION INC	5,000.000	04/05/17	J.P. MORGAN CLEARING CORP, NE	250.00	108,067.50
936214	114340102	BROOKS AUTOMATION INC	5,000.000	04/06/17	J.P. MORGAN CLEARING CORP, NE	250.00	104,927.00
936214	114340102	BROOKS AUTOMATION INC	10,000.000	04/11/17	MORGAN STANLEY & CO INC, NY	600.00	218,871.00
936214	114340102	BROOKS AUTOMATION INC	6,500.000	04/18/17	J.P. MORGAN CLEARING CORP, NE	325.00	141,753.95
936214	114340102	BROOKS AUTOMATION INC	1,400.000	05/11/17	MORGAN STANLEY & CO INC, NY	84.00	38,804.50
936214	114340102	BROOKS AUTOMATION INC	1,100.000	05/12/17	MORGAN STANLEY & CO INC, NY	66.00	30,808.91
936214	114340102	BROOKS AUTOMATION INC	11,000.000	05/17/17	J.P. MORGAN CLEARING CORP, NE	550.00	298,056.00
936214	114340102	BROOKS AUTOMATION INC	2,500.000	07/20/17	INSTINET CORP, NEW YORK	100.00	63,789.25
936214	114340102	BROOKS AUTOMATION INC	8,000.000	09/14/17	INSTINET CORP, NEW YORK	320.00	229,429.60
936214	114340102	BROOKS AUTOMATION INC	3,500.000	09/19/17	MORGAN STANLEY & CO INC, NY	210.00	102,086.25
936214	138098108	CANTEL MEDICAL CORP	2,500.000	02/21/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	211,110.50

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936214	138098108	CANTEL MEDICAL CORP	03/03/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	210,278.75
936214	171340102	CHURCH & DWIGHT CO INC	02/15/17	J.P. MORGAN CLEARING CORP, NE	300.00	293,656.80
936214	171340102	CHURCH & DWIGHT CO INC	03/06/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	124,412.00
936214	171340102	CHURCH & DWIGHT CO INC	04/07/17	MORGAN STANLEY & CO INC, NY	150.00	124,614.75
936214	171340102	CHURCH & DWIGHT CO INC	04/25/17	INSTINET CORP, NEW YORK	180.00	227,207.25
936214	171340102	CHURCH & DWIGHT CO INC	05/05/17	BLOOMBERG TRADEBOOK, NEW Y	105.00	177,062.90
936214	171340102	CHURCH & DWIGHT CO INC	06/09/17	MORGAN STANLEY & CO INC, NY	270.00	237,762.00
936214	171340102	CHURCH & DWIGHT CO INC	01/13/17	J.P. MORGAN CLEARING CORP, NE	300.00	148,182.00
936214	171779309	CIENA CORP	02/15/17	MORGAN STANLEY & CO INC, NY	420.00	176,952.30
936214	171779309	CIENA CORP	02/17/17	J.P. MORGAN CLEARING CORP, NE	500.00	255,652.00
936214	171779309	CIENA CORP	03/02/17	MORGAN STANLEY & CO INC, NY	540.00	236,761.20
936214	172967424	CITIGROUP INC	10/02/17	MORGAN STANLEY & CO INC, NY	420.00	516,148.50
936214	172967424	CITIGROUP INC	10/05/17	MORGAN STANLEY & CO INC, NY	210.00	261,340.10
936214	172967424	CITIGROUP INC	10/25/17	BLOOMBERG TRADEBOOK LLC, NI	285.00	700,939.45
936214	172967424	CITIGROUP INC	11/30/17	BLOOMBERG TRADEBOOK LLC, NI	105.00	264,385.45
936214	172967424	CITIGROUP INC	12/04/17	INSTINET CLEARING SER INC, NEV	80.00	154,618.80
936214	192422103	COGNEX CORP	05/11/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	271,069.80
936214	192422103	COGNEX CORP	12/04/17	STOCK SPLIT	0.00	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	05/11/17	MORGAN STANLEY & CO INC, NY	390.00	418,185.95
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	05/16/17	MORGAN STANLEY & CO INC, NY	360.00	388,066.20
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	05/17/17	INSTINET CORP, NEW YORK	400.00	647,342.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	05/30/17	MORGAN STANLEY & CO INC, NY	150.00	166,459.50
936214	21240D107	CONTROL4 CORP	06/02/17	MORGAN STANLEY & CO INC, NY	240.00	81,367.20
936214	21240D107	CONTROL4 CORP	06/05/17	J.P. MORGAN CLEARING CORP, NE	200.00	80,256.40
936214	21240D107	CONTROL4 CORP	06/06/17	MORGAN STANLEY & CO INC, NY	240.00	81,202.40
936214	21240D107	CONTROL4 CORP	06/08/17	J.P. MORGAN CLEARING CORP, NE	200.00	83,870.00
936214	21240D107	CONTROL4 CORP	06/09/17	BLOOMBERG TRADEBOOK, NEW Y	120.00	83,726.40
936214	21240D107	CONTROL4 CORP	07/17/17	MORGAN STANLEY & CO INC, NY	120.00	48,176.60
936214	21240D107	CONTROL4 CORP	08/24/17	BLOOMBERG TRADEBOOK, NEW Y	120.00	94,753.60
936214	21240D107	CONTROL4 CORP	08/30/17	MORGAN STANLEY & CO INC, NY	600.00	248,194.00
936214	21240D107	CONTROL4 CORP	09/12/17	BLOOMBERG TRADEBOOK, NEW Y	180.00	161,835.60
936214	21240D107	CONTROL4 CORP	09/14/17	INSTINET CORP, NEW YORK	240.00	164,824.20
936214	21240D107	CONTROL4 CORP	09/22/17	BLOOMBERG TRADEBOOK, NEW Y	135.00	128,294.55
936214	232109108	CUTERA INC	06/02/17	MORGAN STANLEY & CO INC, NY	90.00	34,958.25
936214	232109108	CUTERA INC	06/05/17	J.P. MORGAN CLEARING CORP, NE	75.00	34,957.80
936214	232109108	CUTERA INC	06/06/17	MORGAN STANLEY & CO INC, NY	90.00	35,501.25
936214	232109108	CUTERA INC	06/08/17	J.P. MORGAN CLEARING CORP, NE	75.00	35,661.30
936214	232109108	CUTERA INC	06/09/17	J.P. MORGAN CLEARING CORP, NE	75.00	36,075.00

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936214	232109108	CUTERA INC	1,500.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	34,345.05
936214	232109108	CUTERA INC	1,500.000	06/20/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	36,058.95
936214	232109108	CUTERA INC	1,500.000	07/12/17	MORGAN STANLEY & CO INC, NY	90.00	41,224.65
936214	232109108	CUTERA INC	1,500.000	07/17/17	J.P. MORGAN CLEARING CORP, NE	75.00	40,669.05
936214	232109108	CUTERA INC	1,500.000	08/09/17	J.P. MORGAN CLEARING CORP, NE	75.00	49,471.65
936214	232109108	CUTERA INC	1,500.000	09/12/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	60,934.80
936214	232109108	CUTERA INC	1,500.000	09/14/17	INSTINET CORP, NEW YORK	60.00	58,182.15
936214	232109108	CUTERA INC	2,000.000	09/19/17	MORGAN STANLEY & CO INC, NY	120.00	81,172.60
936214	232109108	CUTERA INC	1,500.000	12/04/17	INSTINET CLEARING SER INC, NEV	60.00	61,452.15
936214	232109108	CUTERA INC	1,500.000	12/18/17	J.P. MORGAN SECURITIES INC, NE	75.00	70,952.25
936214	235851102	DANAHER CORP	2,000.000	01/30/17	J.P. MORGAN CLEARING CORP, NE	100.00	159,784.80
936214	235851102	DANAHER CORP	2,000.000	03/03/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	172,811.80
936214	235851102	DANAHER CORP	2,500.000	03/23/17	J.P. MORGAN CLEARING CORP, NE	125.00	216,185.75
936214	235851102	DANAHER CORP	3,000.000	04/13/17	J.P. MORGAN CLEARING CORP, NE	150.00	258,018.90
936214	254687106	WALT DISNEY CO/THE	5,500.000	12/14/17	J.P. MORGAN SECURITIES INC, NE	275.00	590,809.45
936214	254687106	WALT DISNEY CO/THE	2,000.000	12/18/17	INSTINET CLEARING SER INC, NEV	80.00	222,675.40
936214	254687106	WALT DISNEY CO/THE	1,000.000	12/19/17	BLOOMBERG TRADEBOOK LLC, NI	30.00	111,866.80
936214	285229100	ELECTRO SCIENTIFIC INDUSTRIES	15,000.000	11/16/17	BLOOMBERG TRADEBOOK LLC, NI	450.00	364,108.50
936214	285229100	ELECTRO SCIENTIFIC INDUSTRIES	13,000.000	11/17/17	BLOOMBERG TRADEBOOK LLC, NI	390.00	313,983.80
936214	285229100	ELECTRO SCIENTIFIC INDUSTRIES	2,500.000	11/27/17	BLOOMBERG TRADEBOOK LLC, NI	75.00	65,917.50
936214	30303M102	FACEBOOK INC	1,000.000	02/21/17	J.P. MORGAN CLEARING CORP, NE	50.00	133,270.00
936214	30303M102	FACEBOOK INC	1,500.000	03/02/17	J.P. MORGAN CLEARING CORP, NE	75.00	205,438.50
936214	30303M102	FACEBOOK INC	1,500.000	03/20/17	MORGAN STANLEY & CO INC, NY	90.00	210,041.25
936214	30303M102	FACEBOOK INC	2,000.000	03/22/17	INSTINET CORP, NEW YORK	80.00	277,258.60
936214	30303M102	FACEBOOK INC	2,200.000	03/27/17	INSTINET CORP, NEW YORK	88.00	307,628.20
936214	30303M102	FACEBOOK INC	1,300.000	05/11/17	BLOOMBERG TRADEBOOK, NEW Y	39.00	194,639.77
936214	30303M102	FACEBOOK INC	2,000.000	05/12/17	J.P. MORGAN CLEARING CORP, NE	100.00	300,355.40
936214	30303M102	FACEBOOK INC	2,000.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	0.00	299,688.40
936214	34959J108	FORTIVE CORP	3,500.000	01/30/17	J.P. MORGAN CLEARING CORP, NE	175.00	193,166.75
936214	34959J108	FORTIVE CORP	3,500.000	02/21/17	J.P. MORGAN CLEARING CORP, NE	175.00	203,514.85
936214	34959J108	FORTIVE CORP	3,500.000	02/27/17	J.P. MORGAN CLEARING CORP, NE	175.00	201,803.35
936214	34959J108	FORTIVE CORP	4,000.000	03/20/17	J.P. MORGAN CLEARING CORP, NE	200.00	237,369.60
936214	34959J108	FORTIVE CORP	2,500.000	09/19/17	J.P. MORGAN SECURITIES INC, NE	125.00	175,951.50
936214	34959J108	FORTIVE CORP	3,000.000	09/22/17	INSTINET CORP, NEW YORK	120.00	209,596.80
936214	34959J108	FORTIVE CORP	3,000.000	10/02/17	INSTINET CORP, NEW YORK	120.00	214,396.20
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	3,000.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	194,968.20
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,500.000	06/16/17	J.P. MORGAN CLEARING CORP, NE	75.00	96,675.00
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,000.000	06/19/17	J.P. MORGAN CLEARING CORP, NE	50.00	65,429.30

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,000.000	06/21/17	MORGAN STANLEY & CO INC, NY	60.00	65,371.80
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,500.000	06/23/17	J.P. MORGAN CLEARING CORP, NE	75.00	98,712.60
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,300.000	06/27/17	MORGAN STANLEY & CO INC, NY	78.00	85,830.29
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,500.000	07/12/17	MORGAN STANLEY & CO INC, NY	90.00	100,589.40
936214	45780L104	INOGEN INC	2,000.000	09/18/17	J.P. MORGAN SECURITIES INC, NE	100.00	205,111.40
936214	45780L104	INOGEN INC	2,000.000	09/19/17	J.P. MORGAN SECURITIES INC, NE	100.00	206,756.40
936214	45780L104	INOGEN INC	1,000.000	10/25/17	J.P. MORGAN SECURITIES INC, NE	50.00	94,424.80
936214	45780L104	INOGEN INC	1,500.000	11/01/17	INSTINET CLEARING SER INC, NE	60.00	146,904.60
936214	45780L104	INOGEN INC	1,000.000	11/15/17	INSTINET CLEARING SER INC, NE	40.00	118,148.60
936214	45780L104	INOGEN INC	1,500.000	11/16/17	MORGAN STANLEY & CO INC, NY	90.00	180,823.80
936214	464287234	ISHARES MSCI EMERGING MARKET	8,000.000	06/15/17	INSTINET CORP, NEW YORK	320.00	329,114.40
936214	464287234	ISHARES MSCI EMERGING MARKET	8,000.000	06/19/17	J.P. MORGAN CLEARING CORP, NE	400.00	333,482.40
936214	464287234	ISHARES MSCI EMERGING MARKET	2,500.000	07/20/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	109,249.50
936214	464287234	ISHARES MSCI EMERGING MARKET	2,000.000	07/21/17	J.P. MORGAN CLEARING CORP, NE	100.00	87,220.00
936214	464287234	ISHARES MSCI EMERGING MARKET	2,000.000	07/27/17	INSTINET CORP, NEW YORK	80.00	87,469.60
936214	464287234	ISHARES MSCI EMERGING MARKET	11,500.000	09/08/17	MORGAN STANLEY & CO INC, NY	690.00	517,459.75
936214	464287234	ISHARES MSCI EMERGING MARKET	3,500.000	09/19/17	INSTINET CORP, NEW YORK	140.00	160,107.50
936214	464287234	ISHARES MSCI EMERGING MARKET	3,500.000	09/22/17	INSTINET CORP, NEW YORK	140.00	159,022.50
936214	464287234	ISHARES MSCI EMERGING MARKET	4,000.000	11/01/17	INSTINET CLEARING SER INC, NE	160.00	186,286.80
936214	464287234	ISHARES MSCI EMERGING MARKET	5,000.000	11/14/17	MORGAN STANLEY & CO INC, NY	300.00	230,092.00
936214	46625H100	JPMORGAN CHASE & CO	5,000.000	10/02/17	MORGAN STANLEY & CO INC, NY	300.00	483,221.00
936214	46625H100	JPMORGAN CHASE & CO	5,000.000	10/04/17	BLOOMBERG TRADEBOOK, NEW Y	150.00	485,327.00
936214	46625H100	JPMORGAN CHASE & CO	6,000.000	10/17/17	MORGAN STANLEY & CO INC, NY	360.00	587,396.40
936214	46625H100	JPMORGAN CHASE & CO	5,000.000	11/01/17	INSTINET CLEARING SER INC, NE	200.00	504,842.50
936214	46625H100	JPMORGAN CHASE & CO	2,000.000	12/11/17	MORGAN STANLEY & CO INC, NY	120.00	211,634.00
936214	46625H100	JPMORGAN CHASE & CO	2,500.000	12/18/17	INSTINET CLEARING SER INC, NE	100.00	266,868.25
936214	478160104	JOHNSON & JOHNSON	1,500.000	03/02/17	MORGAN STANLEY & CO INC, NY	90.00	185,839.35
936214	478160104	JOHNSON & JOHNSON	1,000.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	50.00	126,550.00
936214	478160104	JOHNSON & JOHNSON	1,500.000	04/07/17	MORGAN STANLEY & CO INC, NY	90.00	187,907.25
936214	478160104	JOHNSON & JOHNSON	2,000.000	06/20/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	269,157.20
936214	478160104	JOHNSON & JOHNSON	1,000.000	07/21/17	J.P. MORGAN CLEARING CORP, NE	50.00	135,220.90
936214	478160104	JOHNSON & JOHNSON	1,000.000	10/27/17	J.P. MORGAN SECURITIES INC, NE	50.00	142,338.30
936214	478160104	JOHNSON & JOHNSON	2,000.000	11/01/17	J.P. MORGAN SECURITIES INC, NE	100.00	280,259.60
936214	478160104	JOHNSON & JOHNSON	500.000	12/04/17	J.P. MORGAN SECURITIES INC, NE	25.00	70,299.70
936214	478160104	JOHNSON & JOHNSON	1,500.000	12/12/17	INSTINET CLEARING SER INC, NE	60.00	214,536.45
936214	478160104	JOHNSON & JOHNSON	1,000.000	12/18/17	INSTINET CLEARING SER INC, NE	40.00	141,995.40
936214	493267108	KEYCORP	19,000.000	06/14/17	MORGAN STANLEY & CO INC, NY	1,140.00	355,406.40
936214	50540R409	LABORATORY CORP OF AMERICA HC	5,000.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	250.00	711,230.00

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936214	50540R409	LABORATORY CORP OF AMERICA HC	2,500.000	03/27/17	INSTINET CORP, NEW YORK	100.00	355,240.25
936214	50540R409	LABORATORY CORP OF AMERICA HC	1,500.000	04/06/17	J.P. MORGAN CLEARING CORP, NE	75.00	214,551.15
936214	50540R409	LABORATORY CORP OF AMERICA HC	1,500.000	04/13/17	J.P. MORGAN CLEARING CORP, NE	75.00	213,759.45
936214	50540R409	LABORATORY CORP OF AMERICA HC	2,000.000	04/21/17	MORGAN STANLEY & CO INC, NY	120.00	287,622.00
936214	550021109	LULULEMON ATHLETICA INC	1,500.000	01/13/17	MORGAN STANLEY & CO INC, NY	90.00	103,464.00
936214	550021109	LULULEMON ATHLETICA INC	1,500.000	01/27/17	MORGAN STANLEY & CO INC, NY	90.00	99,950.70
936214	55306N104	MKS INSTRUMENTS INC	4,000.000	01/26/17	BLOOMBERG TRADEBOOK,NEW Y	120.00	266,053.20
936214	55306N104	MKS INSTRUMENTS INC	3,500.000	05/17/17	J.P. MORGAN CLEARING CORP, NE	175.00	279,464.85
936214	55306N104	MKS INSTRUMENTS INC	1,500.000	05/30/17	MORGAN STANLEY & CO INC, NY	90.00	120,632.85
936214	55306N104	MKS INSTRUMENTS INC	3,500.000	06/09/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	308,825.65
936214	55306N104	MKS INSTRUMENTS INC	1,500.000	07/20/17	INSTINET CORP, NEW YORK	60.00	119,543.10
936214	55306N104	MKS INSTRUMENTS INC	1,500.000	09/12/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	129,097.20
936214	55306N104	MKS INSTRUMENTS INC	2,500.000	09/19/17	MORGAN STANLEY & CO INC, NY	150.00	228,348.00
936214	55306N104	MKS INSTRUMENTS INC	3,000.000	11/14/17	MORGAN STANLEY & CO INC, NY	180.00	311,668.50
936214	56418H100	MANPOWERGROUP INC	5,000.000	03/09/17	MORGAN STANLEY & CO INC, NY	300.00	503,241.00
936214	56418H100	MANPOWERGROUP INC	1,000.000	03/13/17	MORGAN STANLEY & CO INC, NY	60.00	101,777.90
936214	56418H100	MANPOWERGROUP INC	2,000.000	03/17/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	205,978.80
936214	56418H100	MANPOWERGROUP INC	2,000.000	03/20/17	MORGAN STANLEY & CO INC, NY	120.00	205,691.80
936214	56418H100	MANPOWERGROUP INC	1,000.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	50.00	100,468.40
936214	56418H100	MANPOWERGROUP INC	2,700.000	03/27/17	INSTINET CORP, NEW YORK	108.00	265,960.80
936214	56418H100	MANPOWERGROUP INC	2,000.000	07/11/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	228,236.40
936214	56418H100	MANPOWERGROUP INC	1,000.000	08/15/17	MORGAN STANLEY & CO INC, NY	60.00	109,291.00
936214	56418H100	MANPOWERGROUP INC	1,500.000	09/22/17	J.P. MORGAN SECURITIES INC, NE	75.00	172,942.95
936214	56418H100	MANPOWERGROUP INC	2,000.000	10/02/17	J.P. MORGAN SECURITIES INC, NE	100.00	239,895.80
936214	56418H100	MANPOWERGROUP INC	2,500.000	10/12/17	MORGAN STANLEY & CO INC, NY	150.00	305,140.25
936214	56418H100	MANPOWERGROUP INC	3,000.000	10/13/17	MORGAN STANLEY & CO INC, NY	180.00	367,130.10
936214	56418H100	MANPOWERGROUP INC	2,000.000	11/01/17	INSTINET CLEARING SER INC, NE	80.00	246,862.00
936214	56418H100	MANPOWERGROUP INC	2,500.000	11/27/17	BLOOMBERG TRADEBOOK LLC, NI	75.00	321,032.75
936214	56418H100	MANPOWERGROUP INC	2,000.000	11/29/17	J.P. MORGAN SECURITIES INC, NE	100.00	263,366.80
936214	56585A102	MARATHON PETROLEUM CORP	7,000.000	01/10/17	INSTINET CORP, NEW YORK	280.00	344,814.40
936214	56585A102	MARATHON PETROLEUM CORP	3,000.000	01/25/17	J.P. MORGAN CLEARING CORP, NE	150.00	149,357.70
936214	56585A102	MARATHON PETROLEUM CORP	2,500.000	01/27/17	INSTINET CORP, NEW YORK	100.00	122,483.25
936214	56585A102	MARATHON PETROLEUM CORP	1,500.000	03/24/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	73,962.75
936214	56585A102	MARATHON PETROLEUM CORP	1,500.000	06/14/17	MORGAN STANLEY & CO INC, NY	90.00	81,523.80
936214	56585A102	MARATHON PETROLEUM CORP	3,500.000	07/17/17	INSTINET CORP, NEW YORK	140.00	189,808.15
936214	56585A102	MARATHON PETROLEUM CORP	2,000.000	07/20/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	110,076.60
936214	56585A102	MARATHON PETROLEUM CORP	1,500.000	07/21/17	J.P. MORGAN CLEARING CORP, NE	75.00	82,949.70
936214	56585A102	MARATHON PETROLEUM CORP	1,500.000	07/27/17	INSTINET CORP, NEW YORK	60.00	83,775.75

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936214	56585A102	MARATHON PETROLEUM CORP	3,000.000	10/02/17	J.P. MORGAN SECURITIES INC, NE	150.00	167,538.60
936214	56585A102	MARATHON PETROLEUM CORP	2,000.000	12/04/17	J.P. MORGAN SECURITIES INC, NE	100.00	128,175.00
936214	56585A102	MARATHON PETROLEUM CORP	4,000.000	12/12/17	J.P. MORGAN SECURITIES INC, NE	200.00	258,838.40
936214	56585A102	MARATHON PETROLEUM CORP	3,500.000	12/18/17	J.P. MORGAN SECURITIES INC, NE	175.00	230,590.15
936214	574599106	MASCO CORP	3,500.000	03/06/17	MORGAN STANLEY & CO INC, NY	210.00	117,784.45
936214	574599106	MASCO CORP	5,000.000	03/20/17	J.P. MORGAN CLEARING CORP, NE	250.00	172,730.50
936214	574599106	MASCO CORP	4,500.000	04/27/17	INSTINET CORP, NEW YORK	180.00	167,641.65
936214	574599106	MASCO CORP	3,500.000	05/09/17	BLOOMBERG TRADEBOOK, NEW Y	105.00	129,428.60
936214	574599106	MASCO CORP	6,000.000	06/07/17	INSTINET CORP, NEW YORK	240.00	222,229.80
936214	574599106	MASCO CORP	2,500.000	12/06/17	J.P. MORGAN SECURITIES INC, NE	125.00	106,903.50
936214	574599106	MASCO CORP	3,000.000	12/13/17	INSTINET CLEARING SER INC, NE	120.00	126,822.60
936214	57636Q104	MASTERCARD INC	5,000.000	10/02/17	MORGAN STANLEY & CO INC, NY	300.00	712,279.50
936214	57636Q104	MASTERCARD INC	4,000.000	10/11/17	BLOOMBERG TRADEBOOK LLC, NI	120.00	587,462.00
936214	57636Q104	MASTERCARD INC	2,500.000	10/12/17	MORGAN STANLEY & CO INC, NY	150.00	368,696.75
936214	57636Q104	MASTERCARD INC	2,500.000	10/13/17	MORGAN STANLEY & CO INC, NY	150.00	369,879.50
936214	57636Q104	MASTERCARD INC	3,500.000	10/25/17	J.P. MORGAN SECURITIES INC, NE	175.00	510,610.10
936214	57636Q104	MASTERCARD INC	2,500.000	12/04/17	J.P. MORGAN SECURITIES INC, NE	125.00	361,807.00
936214	58471A105	MEDIDATA SOLUTIONS INC	3,000.000	06/02/17	MORGAN STANLEY & CO INC, NY	180.00	221,002.80
936214	58471A105	MEDIDATA SOLUTIONS INC	3,000.000	06/05/17	J.P. MORGAN CLEARING CORP, NE	150.00	220,291.80
936214	58471A105	MEDIDATA SOLUTIONS INC	1,500.000	06/08/17	J.P. MORGAN CLEARING CORP, NE	75.00	118,219.20
936214	58471A105	MEDIDATA SOLUTIONS INC	1,500.000	06/09/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	120,493.50
936214	58471A105	MEDIDATA SOLUTIONS INC	2,500.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	185,813.00
936214	58471A105	MEDIDATA SOLUTIONS INC	1,000.000	06/16/17	J.P. MORGAN CLEARING CORP, NE	50.00	75,758.90
936214	58471A105	MEDIDATA SOLUTIONS INC	2,500.000	06/19/17	MORGAN STANLEY & CO INC, NY	150.00	194,247.25
936214	58471A105	MEDIDATA SOLUTIONS INC	1,500.000	07/12/17	MORGAN STANLEY & CO INC, NY	90.00	122,511.15
936214	58471A105	MEDIDATA SOLUTIONS INC	3,000.000	07/17/17	J.P. MORGAN CLEARING CORP, NE	150.00	245,194.20
936214	595017104	MICROCHIP TECHNOLOGY INC	4,000.000	02/10/17	MORGAN STANLEY & CO INC, NY	240.00	283,021.60
936214	595017104	MICROCHIP TECHNOLOGY INC	3,000.000	02/27/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	218,608.50
936214	595017104	MICROCHIP TECHNOLOGY INC	4,500.000	05/12/17	J.P. MORGAN CLEARING CORP, NE	225.00	354,635.10
936214	595017104	MICROCHIP TECHNOLOGY INC	1,500.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	75.00	124,152.60
936214	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	09/14/17	INSTINET CORP, NEW YORK	100.00	221,840.00
936214	608190104	MOHAWK INDUSTRIES INC	1,800.000	02/14/17	MORGAN STANLEY & CO INC, NY	108.00	402,835.68
936214	608190104	MOHAWK INDUSTRIES INC	1,800.000	02/17/17	INSTINET CORP, NEW YORK	72.00	396,902.34
936214	608190104	MOHAWK INDUSTRIES INC	500.000	03/02/17	J.P. MORGAN CLEARING CORP, NE	25.00	115,419.05
936214	608190104	MOHAWK INDUSTRIES INC	700.000	03/06/17	MORGAN STANLEY & CO INC, NY	42.00	159,279.12
936214	608190104	MOHAWK INDUSTRIES INC	800.000	03/17/17	BLOOMBERG TRADEBOOK, NEW Y	24.00	184,404.80
936214	608190104	MOHAWK INDUSTRIES INC	1,400.000	04/17/17	MORGAN STANLEY & CO INC, NY	84.00	322,945.28
936214	608190104	MOHAWK INDUSTRIES INC	1,000.000	04/25/17	J.P. MORGAN CLEARING CORP, NE	50.00	239,942.50

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936214	608190104	MOHAWK INDUSTRIES INC	500.000	09/08/17	MORGAN STANLEY & CO INC, NY	30.00	127,716.30
936214	608190104	MOHAWK INDUSTRIES INC	500.000	09/14/17	BLOOMBERG TRADEBOOK, NEW Y	15.00	126,919.85
936214	608190104	MOHAWK INDUSTRIES INC	1,000.000	11/01/17	J.P. MORGAN SECURITIES INC, NE	50.00	262,428.40
936214	608190104	MOHAWK INDUSTRIES INC	800.000	12/13/17	INSTINET CLEARING SER INC, NE	32.00	221,692.48
936214	624758108	MUELLER WATER PRODUCTS INC	10,000.000	01/26/17	BLOOMBERG TRADEBOOK, NEW Y	300.00	136,623.00
936214	624758108	MUELLER WATER PRODUCTS INC	7,000.000	01/30/17	BLOOMBERG TRADEBOOK, NEW Y	210.00	94,953.60
936214	624758108	MUELLER WATER PRODUCTS INC	10,000.000	01/31/17	BLOOMBERG TRADEBOOK, NEW Y	300.00	134,154.00
936214	64110L106	NETFLIX INC	5,000.000	07/19/17	MORGAN STANLEY & CO INC, NY	300.00	929,088.00
936214	64110L106	NETFLIX INC	800.000	07/24/17	MORGAN STANLEY & CO INC, NY	48.00	151,072.40
936214	64110L106	NETFLIX INC	700.000	07/27/17	BLOOMBERG TRADEBOOK, NEW Y	21.00	128,132.27
936214	64110L106	NETFLIX INC	1,000.000	08/08/17	MORGAN STANLEY & CO INC, NY	60.00	179,535.30
936214	64110L106	NETFLIX INC	1,300.000	09/12/17	J.P. MORGAN CLEARING CORP, NE	65.00	239,327.40
936214	64110L106	NETFLIX INC	800.000	09/19/17	MORGAN STANLEY & CO INC, NY	48.00	148,587.36
936214	690742101	OWENS CORNING	3,000.000	06/15/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	194,107.20
936214	690742101	OWENS CORNING	1,500.000	06/16/17	J.P. MORGAN CLEARING CORP, NE	75.00	96,174.75
936214	690742101	OWENS CORNING	1,500.000	06/19/17	J.P. MORGAN CLEARING CORP, NE	75.00	98,677.35
936214	690742101	OWENS CORNING	1,500.000	06/21/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	100,144.35
936214	690742101	OWENS CORNING	1,500.000	06/23/17	INSTINET CORP, NEW YORK	60.00	100,641.15
936214	690742101	OWENS CORNING	1,500.000	06/27/17	MORGAN STANLEY & CO INC, NY	90.00	100,461.15
936214	690742101	OWENS CORNING	1,000.000	07/27/17	J.P. MORGAN CLEARING CORP, NE	50.00	67,938.10
936214	690742101	OWENS CORNING	6,500.000	09/08/17	MORGAN STANLEY & CO INC, NY	390.00	496,754.70
936214	690742101	OWENS CORNING	2,500.000	09/14/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	188,157.75
936214	690742101	OWENS CORNING	4,000.000	10/02/17	INSTINET CORP, NEW YORK	160.00	311,995.60
936214	690742101	OWENS CORNING	2,000.000	11/27/17	BLOOMBERG TRADEBOOK LLC, NI	60.00	175,561.00
936214	690742101	OWENS CORNING	2,500.000	12/12/17	INSTINET CLEARING SER INC, NE	100.00	217,808.00
936214	693475105	PNC FINANCIAL SERVICES GROUP I	5,000.000	10/02/17	MORGAN STANLEY & CO INC, NY	300.00	676,631.50
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,000.000	10/12/17	BLOOMBERG TRADEBOOK LLC, NI	30.00	136,376.40
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,000.000	10/13/17	BLOOMBERG TRADEBOOK LLC, NI	30.00	135,011.20
936214	693475105	PNC FINANCIAL SERVICES GROUP I	500.000	10/27/17	J.P. MORGAN SECURITIES INC, NE	25.00	69,081.75
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,500.000	11/30/17	BLOOMBERG TRADEBOOK LLC, NI	45.00	211,209.60
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,500.000	12/04/17	INSTINET CLEARING SER INC, NE	60.00	217,147.05
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,500.000	12/11/17	MORGAN STANLEY & CO INC, NY	90.00	215,530.65
936214	693475105	PNC FINANCIAL SERVICES GROUP I	1,000.000	12/13/17	INSTINET CLEARING SER INC, NE	40.00	145,377.50
936214	693475105	PNC FINANCIAL SERVICES GROUP I	2,000.000	12/18/17	INSTINET CLEARING SER INC, NE	80.00	292,594.60
936214	701094104	PARKER-HANNIFIN CORP	3,000.000	03/09/17	MORGAN STANLEY & CO INC, NY	180.00	473,455.80
936214	701094104	PARKER-HANNIFIN CORP	1,500.000	03/13/17	J.P. MORGAN CLEARING CORP, NE	75.00	236,333.55
936214	701094104	PARKER-HANNIFIN CORP	1,000.000	03/20/17	MORGAN STANLEY & CO INC, NY	60.00	158,495.50
936214	701094104	PARKER-HANNIFIN CORP	800.000	03/23/17	J.P. MORGAN CLEARING CORP, NE	40.00	126,592.96

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Schedule 4B: EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	701094104	PARKER-HANNIFIN CORP	500.000	04/05/17	J.P. MORGAN CLEARING CORP, NE	25.00	80,977.10
936214	70450Y103	PAYPAL HOLDINGS INC	6,500.000	11/16/17	MORGAN STANLEY & CO INC, NY	390.00	495,035.45
936214	70450Y103	PAYPAL HOLDINGS INC	5,000.000	11/17/17	MORGAN STANLEY & CO INC, NY	300.00	383,511.50
936214	70450Y103	PAYPAL HOLDINGS INC	2,500.000	11/29/17	J.P. MORGAN SECURITIES INC, NE	125.00	183,693.75
936214	70450Y103	PAYPAL HOLDINGS INC	1,500.000	12/04/17	MORGAN STANLEY & CO INC, NY	90.00	106,308.30
936214	70450Y103	PAYPAL HOLDINGS INC	4,000.000	12/18/17	MORGAN STANLEY & CO INC, NY	240.00	303,198.40
936214	742718109	PROCTER & GAMBLE CO/THE	1,000.000	03/16/17	J.P. MORGAN CLEARING CORP, NE	55.00	91,403.70
936214	742718109	PROCTER & GAMBLE CO/THE	1,000.000	03/22/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	90,978.00
936214	742718109	PROCTER & GAMBLE CO/THE	1,000.000	04/05/17	J.P. MORGAN CLEARING CORP, NE	50.00	90,330.50
936214	742718109	PROCTER & GAMBLE CO/THE	3,500.000	04/17/17	MORGAN STANLEY & CO INC, NY	210.00	316,419.60
936214	74758T303	QUALYS INC	7,000.000	10/06/17	BLOOMBERG TRADEBOOK, NEW Y	210.00	374,917.90
936214	74758T303	QUALYS INC	1,000.000	10/27/17	J.P. MORGAN SECURITIES INC, NE	50.00	52,550.00
936214	74758T303	QUALYS INC	2,000.000	11/01/17	INSTINET CLEARING SER INC, NE	80.00	111,873.60
936214	74758T303	QUALYS INC	2,500.000	11/07/17	MORGAN STANLEY & CO INC, NY	150.00	143,623.75
936214	74758T303	QUALYS INC	2,500.000	11/14/17	MORGAN STANLEY & CO INC, NY	150.00	145,482.25
936214	74758T303	QUALYS INC	2,500.000	11/16/17	MORGAN STANLEY & CO INC, NY	150.00	146,879.50
936214	74834L100	QUEST DIAGNOSTICS INC	3,000.000	02/17/17	INSTINET CORP, NEW YORK	120.00	285,175.20
936214	74834L100	QUEST DIAGNOSTICS INC	2,500.000	02/27/17	J.P. MORGAN CLEARING CORP, NE	125.00	243,403.75
936214	74834L100	QUEST DIAGNOSTICS INC	1,500.000	04/25/17	MORGAN STANLEY & CO INC, NY	90.00	158,446.65
936214	74834L100	QUEST DIAGNOSTICS INC	3,500.000	05/30/17	MORGAN STANLEY & CO INC, NY	210.00	378,638.75
936214	776696106	ROPER TECHNOLOGIES INC	1,700.000	06/02/17	MORGAN STANLEY & CO INC, NY	102.00	394,624.74
936214	776696106	ROPER TECHNOLOGIES INC	500.000	06/08/17	INSTINET CORP, NEW YORK	20.00	113,578.05
936214	776696106	ROPER TECHNOLOGIES INC	500.000	06/09/17	J.P. MORGAN CLEARING CORP, NE	25.00	114,585.25
936214	776696106	ROPER TECHNOLOGIES INC	1,000.000	06/16/17	MORGAN STANLEY & CO INC, NY	60.00	232,480.30
936214	776696106	ROPER TECHNOLOGIES INC	800.000	06/19/17	MORGAN STANLEY & CO INC, NY	48.00	186,867.68
936214	776696106	ROPER TECHNOLOGIES INC	500.000	06/23/17	INSTINET CORP, NEW YORK	20.00	116,317.20
936214	776696106	ROPER TECHNOLOGIES INC	1,500.000	07/11/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	352,838.55
936214	776696106	ROPER TECHNOLOGIES INC	1,300.000	07/17/17	BLOOMBERG TRADEBOOK, NEW Y	39.00	306,681.31
936214	776696106	ROPER TECHNOLOGIES INC	2,000.000	07/12/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	364,690.20
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	07/17/17	INSTINET CORP, NEW YORK	40.00	180,335.50
936214	78486Q101	SVB FINANCIAL GROUP	500.000	07/27/17	J.P. MORGAN CLEARING CORP, NE	25.00	89,357.75
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	10/02/17	J.P. MORGAN SECURITIES INC, NE	50.00	187,609.10
936214	78486Q101	SVB FINANCIAL GROUP	2,000.000	10/25/17	BLOOMBERG TRADEBOOK LLC, NI	60.00	374,402.60
936214	78486Q101	SVB FINANCIAL GROUP	500.000	10/30/17	INSTINET CLEARING SER INC, NE	20.00	110,419.75
936214	78486Q101	SVB FINANCIAL GROUP	500.000	11/07/17	MORGAN STANLEY & CO INC, NY	30.00	108,399.40
936214	78486Q101	SVB FINANCIAL GROUP	1,500.000	11/30/17	BLOOMBERG TRADEBOOK LLC, NI	45.00	347,128.35
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	12/04/17	MORGAN STANLEY & CO INC, NY	60.00	233,950.60
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	12/12/17	J.P. MORGAN SECURITIES INC, NE	50.00	234,330.20

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	12/13/17	BLOOMBERG TRADEBOOK LLC, NI	30.00	234,975.20
936214	78486Q101	SVB FINANCIAL GROUP	1,000.000	12/18/17	MORGAN STANLEY & CO INC, NY	60.00	240,114.80
936214	79466L302	SALESFORCE.COM INC	6,000.000	04/12/17	MORGAN STANLEY & CO INC, NY	360.00	501,143.40
936214	79466L302	SALESFORCE.COM INC	3,000.000	04/19/17	INSTINET CORP, NEW YORK	120.00	252,166.80
936214	79466L302	SALESFORCE.COM INC	1,500.000	04/24/17	J.P. MORGAN CLEARING CORP, NI	75.00	126,057.75
936214	79466L302	SALESFORCE.COM INC	3,500.000	05/09/17	J.P. MORGAN CLEARING CORP, NI	175.00	306,547.50
936214	79466L302	SALESFORCE.COM INC	4,500.000	05/15/17	BLOOMBERG TRADEBOOK, NEW Y	135.00	404,226.00
936214	79466L302	SALESFORCE.COM INC	4,500.000	05/26/17	J.P. MORGAN CLEARING CORP, NI	225.00	409,197.60
936214	79466L302	SALESFORCE.COM INC	8,000.000	06/07/17	J.P. MORGAN CLEARING CORP, NI	400.00	731,096.00
936214	79466L302	SALESFORCE.COM INC	2,000.000	12/18/17	J.P. MORGAN SECURITIES INC, NE	100.00	210,367.20
936214	808513105	CHARLES SCHWAB CORP/THE	11,000.000	01/10/17	INSTINET CORP, NEW YORK	440.00	452,834.80
936214	808513105	CHARLES SCHWAB CORP/THE	4,000.000	01/13/17	MORGAN STANLEY & CO INC, NY	240.00	167,529.20
936214	808513105	CHARLES SCHWAB CORP/THE	3,500.000	01/26/17	BLOOMBERG TRADEBOOK, NEW Y	105.00	148,753.85
936214	808513105	CHARLES SCHWAB CORP/THE	11,500.000	01/30/17	J.P. MORGAN CLEARING CORP, NI	575.00	479,297.00
936214	808513105	CHARLES SCHWAB CORP/THE	6,000.000	01/31/17	BLOOMBERG TRADEBOOK, NEW Y	180.00	248,188.80
936214	808513105	CHARLES SCHWAB CORP/THE	9,500.000	03/20/17	J.P. MORGAN CLEARING CORP, NI	475.00	404,142.35
936214	808513105	CHARLES SCHWAB CORP/THE	5,500.000	03/22/17	INSTINET CORP, NEW YORK	220.00	222,694.45
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	06/15/17	INSTINET CORP, NEW YORK	20.00	175,277.55
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	06/16/17	J.P. MORGAN CLEARING CORP, NI	25.00	175,197.30
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	06/19/17	MORGAN STANLEY & CO INC, NY	30.00	177,217.20
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	06/21/17	MORGAN STANLEY & CO INC, NY	30.00	178,648.90
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	06/23/17	INSTINET CORP, NEW YORK	20.00	177,371.95
936214	824348106	SHERWIN-WILLIAMS CO/THE	400.000	10/04/17	BLOOMBERG TRADEBOOK, NEW Y	12.00	149,343.04
936214	824348106	SHERWIN-WILLIAMS CO/THE	400.000	10/17/17	MORGAN STANLEY & CO INC, NY	24.00	153,917.48
936214	824348106	SHERWIN-WILLIAMS CO/THE	300.000	10/27/17	J.P. MORGAN SECURITIES INC, NE	15.00	118,819.08
936214	824348106	SHERWIN-WILLIAMS CO/THE	200.000	11/01/17	MORGAN STANLEY & CO INC, NY	12.00	78,894.16
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	12/11/17	MORGAN STANLEY & CO INC, NY	30.00	203,816.20
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	12/18/17	INSTINET CLEARING SER INC, NE	20.00	203,895.50
936214	831865209	AO SMITH CORP	5,000.000	02/14/17	INSTINET CORP, NEW YORK	200.00	248,747.00
936214	831865209	AO SMITH CORP	6,000.000	02/17/17	J.P. MORGAN CLEARING CORP, NI	300.00	296,933.40
936214	831865209	AO SMITH CORP	4,000.000	03/21/17	J.P. MORGAN CLEARING CORP, NI	200.00	205,380.80
936214	831865209	AO SMITH CORP	4,500.000	03/24/17	BLOOMBERG TRADEBOOK, NEW Y	135.00	230,598.45
936214	831865209	AO SMITH CORP	8,000.000	05/09/17	BLOOMBERG TRADEBOOK, NEW Y	240.00	439,644.00
936214	831865209	AO SMITH CORP	2,500.000	09/19/17	INSTINET CORP, NEW YORK	100.00	146,079.00
936214	831865209	AO SMITH CORP	3,000.000	09/22/17	INSTINET CORP, NEW YORK	120.00	177,558.90
936214	831865209	AO SMITH CORP	3,000.000	10/06/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	183,372.60
936214	833034101	SNAP-ON INC	2,400.000	02/14/17	MORGAN STANLEY & CO INC, NY	144.00	414,994.32
936214	833034101	SNAP-ON INC	1,600.000	03/22/17	BLOOMBERG TRADEBOOK, NEW Y	48.00	266,546.56

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936214	833034101	SNAP-ON INC	800.000	04/21/17	MORGAN STANLEY & CO INC, NY	48.00	139,540.40
936214	833034101	SNAP-ON INC	1,000.000	04/25/17	MORGAN STANLEY & CO INC, NY	60.00	175,179.30
936214	857477103	STATE STREET CORP	5,500.000	01/10/17	INSTINET CORP, NEW YORK	220.00	447,382.65
936214	857477103	STATE STREET CORP	2,000.000	01/13/17	MORGAN STANLEY & CO INC, NY	120.00	166,673.60
936214	861012102	STMICROELECTRONICS NV	18,000.000	10/05/17	MORGAN STANLEY & CO INC, NY	1,080.00	355,998.60
936214	861012102	STMICROELECTRONICS NV	6,000.000	10/12/17	BLOOMBERG TRADEBOOK LLC, NI	180.00	120,274.20
936214	861012102	STMICROELECTRONICS NV	6,000.000	10/13/17	BLOOMBERG TRADEBOOK LLC, NI	180.00	121,016.40
936214	861012102	STMICROELECTRONICS NV	7,500.000	10/17/17	J.P. MORGAN SECURITIES INC, NE	375.00	151,204.50
936214	861012102	STMICROELECTRONICS NV	7,500.000	11/01/17	MORGAN STANLEY & CO INC, NY	450.00	178,587.00
936214	861012102	STMICROELECTRONICS NV	5,000.000	11/07/17	MORGAN STANLEY & CO INC, NY	300.00	122,195.00
936214	861012102	STMICROELECTRONICS NV	5,000.000	11/27/17	BLOOMBERG TRADEBOOK LLC, NI	150.00	120,616.00
936214	863667101	STRYKER CORP	2,500.000	03/02/17	J.P. MORGAN CLEARING CORP, NI	125.00	327,011.25
936214	863667101	STRYKER CORP	2,000.000	03/23/17	MORGAN STANLEY & CO INC, NY	120.00	265,145.80
936214	863667101	STRYKER CORP	1,500.000	04/25/17	INSTINET CORP, NEW YORK	60.00	203,995.20
936214	863667101	STRYKER CORP	1,300.000	05/05/17	J.P. MORGAN CLEARING CORP, NI	65.00	176,426.77
936214	863667101	STRYKER CORP	1,200.000	05/09/17	J.P. MORGAN CLEARING CORP, NI	60.00	162,114.72
936214	863667101	STRYKER CORP	2,500.000	05/30/17	J.P. MORGAN CLEARING CORP, NI	125.00	353,830.00
936214	87161C501	SYNOVUS FINANCIAL CORP	8,000.000	06/14/17	MORGAN STANLEY & CO INC, NY	480.00	350,583.20
936214	872590104	T-MOBILE US INC	5,000.000	04/25/17	INSTINET CORP, NEW YORK	200.00	333,831.50
936214	872590104	T-MOBILE US INC	2,000.000	08/15/17	MORGAN STANLEY & CO INC, NY	120.00	127,670.40
936214	872590104	T-MOBILE US INC	8,200.000	08/30/17	MORGAN STANLEY & CO INC, NY	492.00	525,311.68
936214	87357P100	TACTILE SYSTEMS TECHNOLOGY INC	6,000.000	09/18/17	MORGAN STANLEY & CO INC, NY	360.00	207,236.40
936214	87357P100	TACTILE SYSTEMS TECHNOLOGY INC	6,000.000	09/20/17	MORGAN STANLEY & CO INC, NY	360.00	201,393.00
936214	87357P100	TACTILE SYSTEMS TECHNOLOGY INC	3,000.000	09/22/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	95,413.20
936214	883556102	THERMO FISHER SCIENTIFIC INC	3,000.000	09/18/17	MORGAN STANLEY & CO INC, NY	180.00	574,357.50
936214	883556102	THERMO FISHER SCIENTIFIC INC	800.000	09/22/17	INSTINET CORP, NEW YORK	32.00	150,303.04
936214	883556102	THERMO FISHER SCIENTIFIC INC	800.000	10/02/17	J.P. MORGAN SECURITIES INC, NE	40.00	151,908.08
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	10/05/17	MORGAN STANLEY & CO INC, NY	90.00	288,979.20
936214	883556102	THERMO FISHER SCIENTIFIC INC	4,000.000	10/25/17	J.P. MORGAN SECURITIES INC, NE	200.00	797,073.60
936214	883556102	THERMO FISHER SCIENTIFIC INC	2,500.000	11/01/17	INSTINET CLEARING SER INC, NEV	100.00	485,323.25
936214	88579Y101	3M CO	2,000.000	10/30/17	INSTINET CLEARING SER INC, NEV	80.00	465,508.80
936214	88579Y101	3M CO	1,500.000	11/01/17	J.P. MORGAN SECURITIES INC, NE	75.00	345,632.85
936214	88579Y101	3M CO	500.000	11/07/17	MORGAN STANLEY & CO INC, NY	30.00	115,198.30
936214	88579Y101	3M CO	2,000.000	12/04/17	MORGAN STANLEY & CO INC, NY	120.00	484,666.40
936214	88579Y101	3M CO	1,500.000	12/12/17	J.P. MORGAN SECURITIES INC, NE	75.00	357,829.80
936214	90384S303	ULTA SALON COSMETICS & FRAGRAI	1,000.000	01/04/17	J.P. MORGAN CLEARING CORP, NI	50.00	260,027.90
936214	90384S303	ULTA BEAUTY INC	1,000.000	04/17/17	MORGAN STANLEY & CO INC, NY	60.00	283,200.50
936214	90384S303	ULTA BEAUTY INC	1,500.000	05/05/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	440,049.90

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
936214	911363109	UNITED RENTALS INC	4,000.000	03/09/17	MORGAN STANLEY & CO INC, NY	240.00	496,308.40
936214	911363109	UNITED RENTALS INC	1,000.000	03/13/17	MORGAN STANLEY & CO INC, NY	60.00	124,794.60
936214	911363109	UNITED RENTALS INC	1,000.000	03/16/17	J.P. MORGAN CLEARING CORP, NE	50.00	126,008.10
936214	911363109	UNITED RENTALS INC	1,000.000	04/11/17	MORGAN STANLEY & CO INC, NY	60.00	124,806.70
936214	912008109	US FOODS HOLDING CORP	6,500.000	06/02/17	J.P. MORGAN CLEARING CORP, NE	325.00	198,151.20
936214	912008109	US FOODS HOLDING CORP	6,500.000	06/05/17	J.P. MORGAN CLEARING CORP, NE	325.00	197,075.45
936214	912008109	US FOODS HOLDING CORP	2,500.000	06/08/17	INSTINET CORP, NEW YORK	100.00	74,538.75
936214	912008109	US FOODS HOLDING CORP	1,500.000	06/09/17	MORGAN STANLEY & CO INC, NY	90.00	44,667.30
936214	91324P102	UNITEDHEALTH GROUP INC	5,000.000	06/08/17	MORGAN STANLEY & CO INC, NY	300.00	916,102.00
936214	91324P102	UNITEDHEALTH GROUP INC	500.000	08/09/17	J.P. MORGAN CLEARING CORP, NE	25.00	97,450.00
936214	91324P102	UNITEDHEALTH GROUP INC	2,000.000	08/24/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	389,312.40
936214	91324P102	UNITEDHEALTH GROUP INC	1,500.000	09/11/17	MORGAN STANLEY & CO INC, NY	90.00	299,585.55
936214	91324P102	UNITEDHEALTH GROUP INC	3,500.000	10/25/17	BLOOMBERG TRADEBOOK LLC, NI	105.00	727,320.65
936214	91324P102	UNITEDHEALTH GROUP INC	2,000.000	12/04/17	MORGAN STANLEY & CO INC, NY	120.00	455,666.20
936214	91324P102	UNITEDHEALTH GROUP INC	1,000.000	12/13/17	BLOOMBERG TRADEBOOK LLC, NI	30.00	223,604.20
936214	92210H105	VANTIV INC	2,500.000	02/15/17	MORGAN STANLEY & CO INC, NY	150.00	161,639.50
936214	92210H105	VANTIV INC	5,000.000	03/02/17	J.P. MORGAN CLEARING CORP, NE	250.00	325,713.00
936214	92210H105	VANTIV INC	3,000.000	04/25/17	J.P. MORGAN CLEARING CORP, NE	150.00	197,513.10
936214	922475108	VEEVA SYSTEMS INC	4,000.000	04/12/17	MORGAN STANLEY & CO INC, NY	240.00	202,632.40
936214	922475108	VEEVA SYSTEMS INC	6,000.000	04/20/17	J.P. MORGAN CLEARING CORP, NE	300.00	311,263.20
936214	922475108	VEEVA SYSTEMS INC	2,500.000	04/21/17	MORGAN STANLEY & CO INC, NY	150.00	130,295.25
936214	922475108	VEEVA SYSTEMS INC	4,000.000	04/25/17	J.P. MORGAN CLEARING CORP, NE	200.00	209,527.20
936214	922475108	VEEVA SYSTEMS INC	5,500.000	05/09/17	BLOOMBERG TRADEBOOK, NEW Y	165.00	302,838.25
936214	922475108	VEEVA SYSTEMS INC	4,500.000	05/12/17	MORGAN STANLEY & CO INC, NY	270.00	254,736.90
936214	922475108	VEEVA SYSTEMS INC	13,500.000	05/17/17	J.P. MORGAN CLEARING CORP, NE	675.00	784,147.50
936214	92532F100	VERTEX PHARMACEUTICALS INC	5,000.000	07/20/17	BLOOMBERG TRADEBOOK, NEW Y	150.00	795,798.50
936214	92532F100	VERTEX PHARMACEUTICALS INC	1,300.000	07/24/17	MORGAN STANLEY & CO INC, NY	78.00	213,807.75
936214	92532F100	VERTEX PHARMACEUTICALS INC	700.000	07/27/17	BLOOMBERG TRADEBOOK, NEW Y	21.00	108,195.85
936214	92532F100	VERTEX PHARMACEUTICALS INC	1,000.000	08/15/17	MORGAN STANLEY & CO INC, NY	60.00	154,193.90
936214	92532W103	VERSUM MATERIALS INC	9,500.000	10/06/17	BLOOMBERG TRADEBOOK, NEW Y	285.00	363,346.50
936214	92532W103	VERSUM MATERIALS INC	1,500.000	10/17/17	J.P. MORGAN SECURITIES INC, NE	75.00	59,387.55
936214	92532W103	VERSUM MATERIALS INC	4,000.000	10/25/17	J.P. MORGAN SECURITIES INC, NE	200.00	158,875.20
936214	92532W103	VERSUM MATERIALS INC	2,500.000	10/27/17	J.P. MORGAN SECURITIES INC, NE	125.00	102,550.25
936214	92532W103	VERSUM MATERIALS INC	2,500.000	11/01/17	J.P. MORGAN SECURITIES INC, NE	125.00	103,116.25
936214	92532W103	VERSUM MATERIALS INC	4,000.000	02/15/17	J.P. MORGAN CLEARING CORP, NE	200.00	348,652.00
936214	92826C839	VISA INC	2,500.000	02/27/17	INSTINET CORP, NEW YORK	100.00	220,465.75
936214	92826C839	VISA INC	6,500.000	03/23/17	J.P. MORGAN CLEARING CORP, NE	325.00	580,177.00
936214	92826C839	VISA INC	2,500.000	04/24/17	J.P. MORGAN CLEARING CORP, NE	125.00	229,119.00

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Schedule 4B: EQUITIES PURCHASED DURING YEAR

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936214	92826C839	VISA INC	3,000.000	05/04/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	278,266.50
936214	92826C839	VISA INC	3,000.000	06/07/17	INSTINET CORP, NEW YORK	120.00	288,238.20
936214	92826C839	VISA INC	3,000.000	08/24/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	308,801.70
936214	989701107	ZIONS BANCORPORATION	8,000.000	06/14/17	MORGAN STANLEY & CO INC, NY	480.00	343,434.40
936214	989701107	ZIONS BANCORPORATION	4,000.000	07/17/17	BLOOMBERG TRADEBOOK, NEW Y	120.00	177,129.20
936214	989701107	ZIONS BANCORPORATION	1,000.000	07/27/17	INSTINET CORP, NEW YORK	40.00	45,074.00
936214	989701107	ZIONS BANCORPORATION	2,000.000	08/09/17	J.P. MORGAN CLEARING CORP, NE	100.00	90,239.80
936214	989701107	ZIONS BANCORPORATION	5,000.000	10/02/17	J.P. MORGAN SECURITIES INC, NE	250.00	236,242.50
936214	98978V103	ZOETIS INC	8,500.000	01/10/17	INSTINET CORP, NEW YORK	340.00	460,080.35
936214	98978V103	ZOETIS INC	1,500.000	01/13/17	MORGAN STANLEY & CO INC, NY	90.00	80,567.55
936214	98978V103	ZOETIS INC	1,000.000	01/30/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	53,970.60
936214	98978V103	ZOETIS INC	1,500.000	03/24/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	80,803.35
936214	98978V103	ZOETIS INC	2,500.000	04/20/17	J.P. MORGAN CLEARING CORP, NE	125.00	135,632.50
936214	98978V103	ZOETIS INC	3,000.000	05/11/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	179,402.10
936214	98978V103	ZOETIS INC	4,500.000	05/30/17	MORGAN STANLEY & CO INC, NY	270.00	279,427.95
936214	98978V103	ZOETIS INC	5,000.000	06/08/17	J.P. MORGAN CLEARING CORP, NE	250.00	315,074.00
936214	98978V103	ZOETIS INC	2,500.000	06/09/17	J.P. MORGAN CLEARING CORP, NE	125.00	157,387.50
936214	98978V103	ZOETIS INC	3,000.000	09/12/17	J.P. MORGAN CLEARING CORP, NE	150.00	195,997.50
936214	98978V103	ZOETIS INC	2,500.000	09/19/17	INSTINET CORP, NEW YORK	100.00	162,275.50
936214	98978V103	ZOETIS INC	1,500.000	11/30/17	BLOOMBERG TRADEBOOK LLC, NI	45.00	108,043.65
936214	98978V103	ZOETIS INC	1,000.000	12/06/17	J.P. MORGAN SECURITIES INC, NE	50.00	70,892.80
936214	98978V103	ZOETIS INC	3,000.000	12/12/17	INSTINET CLEARING SER INC, NE	120.00	216,633.90
936214	98978V103	ZOETIS INC	12,000.000	11/16/17	MORGAN STANLEY & CO INC, NY	720.00	636,452.40
936214	G06242104	ATLASSIAN CORP PLC	3,000.000	11/29/17	J.P. MORGAN SECURITIES INC, NE	150.00	144,169.80
936214	G06242104	ATLASSIAN CORP PLC	2,000.000	12/18/17	MORGAN STANLEY & CO INC, NY	120.00	93,514.80
936214	G06242104	ATLASSIAN CORP PLC	5,500.000	06/16/17	MORGAN STANLEY & CO INC, NY	330.00	241,148.05
936214	G98294104	XL GROUP LTD	5,500.000	06/19/17	MORGAN STANLEY & CO INC, NY	330.00	243,813.35
936214	G98294104	XL GROUP LTD	1,500.000	06/21/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	66,544.05
936214	G98294104	XL GROUP LTD	2,500.000	06/23/17	INSTINET CORP, NEW YORK	100.00	108,601.50
936214	G98294104	XL GROUP LTD	2,300.000	06/27/17	MORGAN STANLEY & CO INC, NY	138.00	101,046.82
936214	G98294104	XL GROUP LTD	2,500.000	07/20/17	BLOOMBERG TRADEBOOK, NEW Y	75.00	114,899.00
936214	G98294104	XL GROUP LTD	2,000.000	07/21/17	J.P. MORGAN CLEARING CORP, NE	100.00	92,703.00
936214	Y09827109	BROADCOM LTD	1,300.000	01/26/17	BLOOMBERG TRADEBOOK, NEW Y	39.00	262,232.23
936214	Y09827109	BROADCOM LTD	1,000.000	02/15/17	MORGAN STANLEY & CO INC, NY	60.00	205,016.70
936214	Y09827109	BROADCOM LTD	700.000	02/17/17	J.P. MORGAN CLEARING CORP, NE	35.00	146,794.06
936214	Y09827109	BROADCOM LTD	1,000.000	03/03/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	219,562.00
936214	Y09827109	BROADCOM LTD	1,000.000	03/21/17	MORGAN STANLEY & CO INC, NY	60.00	217,544.70
936214	Y09827109	BROADCOM LTD	1,000.000	05/04/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	222,875.70

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936214	Y09827109	BROADCOM LTD	1,500.000	05/15/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	356,728.05
936214	Y09827109	BROADCOM LTD	1,000.000	07/17/17	MORGAN STANLEY & CO INC, NY	60.00	250,415.60
936214	Y09827109	BROADCOM LTD	1,400.000	12/04/17	J.P MORGAN SECURITIES INC, NE	70.00	366,315.04
SCHEDULE TOTALS						73,233.00	127,379,024.04

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Schedule 4C: EQUITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	00206R102	AT&T INC	10,000,000	02/14/17	BLOOMBERG TRADEBOOK,NEW Y	300.00	405,300.15	425,300.00	(19,999.85)	4,900.00
936214	00287Y109	ABBVIE INC	2,000,000	01/13/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	123,643.30	125,240.00	(1,596.70)	6,400.00
936214	00287Y109	ABBVIE INC	1,500,000	01/25/17	MORGAN STANLEY & CO INC, NY	90.00	91,910.94	93,930.00	(2,019.06)	0.00
936214	00287Y109	ABBVIE INC	1,500,000	01/30/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	89,431.94	93,930.00	(4,498.06)	0.00
936214	00287Y109	ABBVIE INC	5,000,000	01/31/17	MORGAN STANLEY & CO INC, NY	300.00	303,758.87	313,100.00	(9,341.13)	0.00
936214	00724F101	ADOBE SYSTEMS INC	2,500,000	06/12/17	BLOOMBERG TRADEBOOK,NEW Y	75.00	339,828.33	285,154.32	54,674.01	0.00
936214	00724F101	ADOBE SYSTEMS INC	4,000,000	06/16/17	BLOOMBERG TRADEBOOK,NEW Y	0.00	548,991.63	464,294.94	84,696.69	0.00
936214	00724F101	ADOBE SYSTEMS INC	2,000,000	07/11/17	INSTINET CORP, NEW YORK	80.00	285,705.39	232,147.47	53,557.92	0.00
936214	00724F101	ADOBE SYSTEMS INC	5,000,000	10/05/17	J.P. MORGAN SECURITIES INC, NEI	250.00	740,044.89	601,354.20	138,690.69	0.00
936214	00724F101	ADOBE SYSTEMS INC	1,500,000	11/27/17	J.P. MORGAN SECURITIES INC, NEI	75.00	276,861.80	188,980.27	87,881.53	0.00
936214	00724F101	ADOBE SYSTEMS INC	2,000,000	12/05/17	INSTINET CLEARING SER INC, NEV	80.00	339,772.14	251,973.70	87,798.44	0.00
936214	00724F101	ADOBE SYSTEMS INC	1,500,000	12/06/17	INSTINET CLEARING SER INC, NEV	60.00	257,204.90	188,980.27	68,224.63	0.00
936214	00724F101	ADOBE SYSTEMS INC	1,000,000	12/11/17	J.P. MORGAN SECURITIES INC, NEI	50.00	173,659.88	125,986.85	47,673.03	0.00
936214	008252108	AFFILIATED MANAGERS GROUP INC	3,500,000	08/21/17	INSTINET CORP, NEW YORK	140.00	599,219.05	626,990.96	(27,771.91)	0.00
936214	008252108	AFFILIATED MANAGERS GROUP INC	3,000,000	11/01/17	BLOOMBERG TRADEBOOK LLC, NEI	90.00	559,096.48	558,443.68	652.80	0.00
936214	008252108	AFFILIATED MANAGERS GROUP INC	1,500,000	11/07/17	J.P. MORGAN SECURITIES INC, NEI	75.00	279,017.10	279,221.84	(204.74)	0.00
936214	008252108	AFFILIATED MANAGERS GROUP INC	2,000,000	11/15/17	BLOOMBERG TRADEBOOK LLC, NEI	60.00	368,528.48	372,295.78	(3,767.30)	0.00
936214	016255101	ALIGN TECHNOLOGY INC	3,500,000	05/04/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	487,451.17	356,131.77	131,319.40	0.00
936214	016255101	ALIGN TECHNOLOGY INC	4,000,000	06/12/17	MORGAN STANLEY & CO INC, NY	240.00	569,509.17	407,007.74	162,501.43	0.00
936214	016255101	ALIGN TECHNOLOGY INC	2,000,000	07/11/17	J.P. MORGAN CLEARING CORP, NEI	100.00	301,670.42	203,503.87	98,166.55	0.00
936214	016255101	ALIGN TECHNOLOGY INC	3,500,000	07/24/17	INSTINET CORP, NEW YORK	140.00	559,972.01	373,111.59	186,860.42	0.00
936214	016255101	ALIGN TECHNOLOGY INC	1,500,000	08/28/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	262,029.69	172,982.76	89,066.93	0.00
936214	016255101	ALIGN TECHNOLOGY INC	1,500,000	11/27/17	INSTINET CLEARING SER INC, NEV	60.00	393,460.40	183,092.44	210,367.96	0.00
936214	016255101	ALIGN TECHNOLOGY INC	2,000,000	12/05/17	INSTINET CLEARING SER INC, NEV	80.00	456,238.85	244,123.25	212,115.60	0.00
936214	016255101	ALIGN TECHNOLOGY INC	2,000,000	12/06/17	INSTINET CLEARING SER INC, NEV	80.00	462,829.10	244,123.25	218,705.85	0.00
936214	016255101	ALIGN TECHNOLOGY INC	2,000,000	12/11/17	J.P. MORGAN SECURITIES INC, NEI	100.00	466,951.81	244,123.25	222,828.56	0.00
936214	016255101	ALIGN TECHNOLOGY INC	500,000	12/13/17	INSTINET CLEARING SER INC, NEV	20.00	118,464.56	61,030.81	57,433.75	0.00
936214	02079K305	ALPHABET INC-CL A	500,000	03/27/17	J.P. MORGAN CLEARING CORP, NEI	25.00	416,466.62	397,785.08	18,681.54	0.00
936214	02079K305	ALPHABET INC-CL A	300,000	06/12/17	J.P. MORGAN CLEARING CORP, NEI	15.00	288,053.71	251,533.09	36,520.62	0.00
936214	02079K305	ALPHABET INC-CL A	600,000	06/16/17	BLOOMBERG TRADEBOOK,NEW Y	0.00	572,088.50	509,697.29	62,371.21	0.00
936214	02079K305	ALPHABET INC-CL A	200,000	08/15/17	J.P. MORGAN CLEARING CORP, NEI	10.00	187,633.52	169,899.09	17,734.43	0.00
936214	02079K305	ALPHABET INC-CL A	300,000	09/19/17	BLOOMBERG TRADEBOOK,NEW Y	9.00	280,656.20	254,848.64	25,807.56	0.00
936214	02079K305	ALPHABET INC-CL A	700,000	11/14/17	INSTINET CLEARING SER INC, NEV	28.00	726,737.56	594,646.83	132,090.73	0.00
936214	023135106	AMAZON.COM INC	700,000	08/02/17	BLOOMBERG TRADEBOOK,NEW Y	21.00	690,052.24	567,109.79	122,942.45	0.00
936214	023135106	AMAZON.COM INC	300,000	08/21/17	MORGAN STANLEY & CO INC, NY	18.00	284,932.96	243,047.05	41,885.91	0.00
936214	023135106	AMAZON.COM INC	200,000	09/19/17	BLOOMBERG TRADEBOOK,NEW Y	6.00	193,989.69	162,031.37	31,958.32	0.00
936214	023135106	AMAZON.COM INC	200,000	09/22/17	J.P. MORGAN SECURITIES INC, NEI	10.00	191,809.86	162,031.37	29,778.49	0.00
936214	023135106	AMAZON.COM INC	200,000	10/02/17	BLOOMBERG TRADEBOOK,NEW Y	6.00	191,216.06	162,031.37	29,184.69	0.00
936214	03027X100	AMERICAN TOWER CORP	3,000,000	09/29/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	409,175.24	414,039.40	(4,864.16)	20,940.00
936214	03027X100	AMERICAN TOWER CORP	6,000,000	10/02/17	INSTINET CORP, NEW YORK	240.00	817,283.71	828,078.81	(10,795.10)	0.00
936214	03027X100	AMERICAN TOWER CORP	7,000,000	10/12/17	BLOOMBERG TRADEBOOK LLC, NEI	210.00	975,946.85	966,091.95	9,854.90	0.00
936214	03027X100	AMERICAN TOWER CORP	7,000,000	10/13/17	BLOOMBERG TRADEBOOK LLC, NEI	210.00	977,638.71	966,091.94	11,546.77	0.00
936214	032654105	ANALOG DEVICES INC	2,000,000	04/18/17	MORGAN STANLEY & CO INC, NY	120.00	152,641.46	158,699.36	(6,057.90)	12,825.00

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936214	032654105	ANALOG DEVICES INC	3,000.000	06/07/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	241,643.23	238,049.03	3,594.20	0.00
936214	032654105	ANALOG DEVICES INC	6,500.000	06/12/17	J.P. MORGAN CLEARING CORP, NE	325.00	517,728.00	515,772.91	1,955.09	0.00
936214	032654105	ANALOG DEVICES INC	1,500.000	06/14/17	J.P. MORGAN CLEARING CORP, NE	75.00	122,529.17	119,024.52	3,504.65	0.00
936214	032654105	ANALOG DEVICES INC	5,000.000	06/19/17	INSTINET CORP, NEW YORK	200.00	400,674.76	396,748.38	3,926.38	0.00
936214	037833100	APPLE INC	2,000.000	06/12/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	289,811.08	268,607.26	21,203.82	0.00
936214	037833100	APPLE INC	1,500.000	06/15/17	MORGAN STANLEY & CO INC, NY	90.00	215,020.61	201,455.45	13,565.16	0.00
936214	038222105	APPLIED MATERIALS INC	3,500.000	11/27/17	J.P. MORGAN SECURITIES INC, NEI	175.00	199,738.98	163,925.87	35,813.11	0.00
936214	038222105	APPLIED MATERIALS INC	4,500.000	11/30/17	INSTINET CLEARING SER INC, NEV	180.00	238,846.37	210,761.83	28,084.54	0.00
936214	038222105	APPLIED MATERIALS INC	2,500.000	12/05/17	BLOOMBERG TRADEBOOK LLC, NE	75.00	128,414.28	117,089.90	11,324.38	0.00
936214	038222105	APPLIED MATERIALS INC	2,000.000	12/06/17	BLOOMBERG TRADEBOOK LLC, NE	60.00	100,507.87	93,671.92	6,835.95	0.00
936214	038222105	APPLIED MATERIALS INC	2,000.000	12/11/17	BLOOMBERG TRADEBOOK LLC, NE	60.00	102,822.42	93,671.92	9,150.50	0.00
936214	03852U106	ARAMARK	5,000.000	01/25/17	MORGAN STANLEY & CO INC, NY	300.00	167,434.84	178,600.00	(11,165.16)	1,236.00
936214	03852U106	ARAMARK	2,000.000	01/27/17	INSTINET CORP, NEW YORK	80.00	67,301.33	71,440.00	(4,138.67)	0.00
936214	03852U106	ARAMARK	6,000.000	02/01/17	J.P. MORGAN CLEARING CORP, NE	300.00	198,838.05	214,320.00	(15,481.95)	0.00
936214	03852U106	ARAMARK	12,000.000	02/14/17	BLOOMBERG TRADEBOOK,NEW Y	360.00	427,177.47	428,640.00	(1,462.53)	0.00
936214	040413106	ARISTA NETWORKS INC	2,000.000	06/12/17	INSTINET CORP, NEW YORK	80.00	298,381.29	294,565.44	3,815.85	0.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	08/03/17	MORGAN STANLEY & CO INC, NY	60.00	143,822.27	147,712.90	(3,890.63)	0.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	11/27/17	INSTINET CLEARING SER INC, NEV	40.00	240,129.75	155,155.09	84,974.66	0.00
936214	040413106	ARISTA NETWORKS INC	2,000.000	12/05/17	BLOOMBERG TRADEBOOK LLC, NE	60.00	428,470.10	310,310.19	118,159.91	0.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	12/06/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	212,522.28	155,155.09	57,367.19	0.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	12/12/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	221,986.87	155,155.09	66,811.78	0.00
936214	040413106	ARISTA NETWORKS INC	1,000.000	12/13/17	J.P. MORGAN SECURITIES INC, NEI	50.00	223,945.12	155,155.09	68,790.03	0.00
936214	045327103	ASPEN TECHNOLOGY INC	7,000.000	06/12/17	MORGAN STANLEY & CO INC, NY	420.00	398,727.39	409,858.50	(11,131.11)	0.00
936214	049560105	ATMOS ENERGY CORP	1,000.000	01/25/17	J.P. MORGAN CLEARING CORP, NE	50.00	75,233.35	74,150.00	1,083.35	0.00
936214	049560105	ATMOS ENERGY CORP	2,500.000	01/30/17	BLOOMBERG TRADEBOOK,NEW Y	75.00	186,468.43	185,375.00	1,093.43	0.00
936214	049560105	ATMOS ENERGY CORP	5,000.000	01/31/17	MORGAN STANLEY & CO INC, NY	300.00	377,035.27	370,750.00	6,285.27	0.00
936214	053484101	AVALONBAY COMMUNITIES INC	700.000	01/03/17	BLOOMBERG TRADEBOOK,NEW Y	21.00	123,595.81	124,005.00	(409.19)	945.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	6,000.000	02/14/17	BLOOMBERG TRADEBOOK,NEW Y	180.00	279,904.69	284,280.00	(4,375.31)	11,115.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	5,000.000	03/01/17	MORGAN STANLEY & CO INC, NY	300.00	242,104.71	236,900.00	5,204.71	0.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	4,500.000	03/20/17	INSTINET CORP, NEW YORK	180.00	213,996.43	213,210.00	786.43	0.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	2,500.000	04/05/17	BLOOMBERG TRADEBOOK,NEW Y	75.00	119,395.40	118,450.00	945.40	0.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	4,500.000	04/24/17	J.P. MORGAN CLEARING CORP, NE	225.00	214,153.02	213,210.00	943.02	0.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	4,500.000	05/11/17	J.P. MORGAN CLEARING CORP, NE	225.00	210,840.19	213,210.00	(2,369.81)	0.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	4,500.000	05/15/17	J.P. MORGAN CLEARING CORP, NE	225.00	211,717.67	213,210.00	(1,492.33)	0.00
936214	064058100	BANK OF NEW YORK MELLON CORP/	9,000.000	05/26/17	J.P. MORGAN CLEARING CORP, NE	450.00	425,220.02	426,420.00	(1,199.98)	0.00
936214	067383109	CR BARD INC	1,800.000	06/09/17	BLOOMBERG TRADEBOOK,NEW Y	54.00	565,847.36	432,440.49	133,406.87	5,278.00
936214	067383109	CR BARD INC	1,000.000	06/15/17	J.P. MORGAN CLEARING CORP, NE	50.00	314,108.25	240,244.72	73,863.53	0.00
936214	067383109	CR BARD INC	2,500.000	07/11/17	J.P. MORGAN CLEARING CORP, NE	125.00	794,673.63	600,611.79	194,061.84	0.00
936214	067383109	CR BARD INC	1,000.000	07/24/17	INSTINET CORP, NEW YORK	40.00	322,430.05	240,244.71	82,185.34	0.00
936214	067383109	CR BARD INC	1,000.000	07/28/17	MORGAN STANLEY & CO INC, NY	60.00	320,115.30	240,244.72	79,870.58	0.00
936214	067383109	CR BARD INC	3,500.000	09/18/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	1,118,483.16	840,856.50	277,626.66	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	2,000.000	02/17/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	334,253.51	325,960.00	8,293.51	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	2,500.000	03/27/17	J.P. MORGAN CLEARING CORP, NE	125.00	416,564.16	407,450.00	9,114.16	0.00

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936214	084670702	BERKSHIRE HATHAWAY INC	2,000.000	04/03/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	331,509.37	325,960.00	5,549.37	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	3,000.000	04/04/17	J.P. MORGAN CLEARING CORP, NE	150.00	500,113.99	488,940.00	11,173.99	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	1,000.000	04/17/17	INSTINET CORP, NEW YORK	40.00	163,345.73	162,980.00	365.73	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	2,000.000	04/21/17	J.P. MORGAN CLEARING CORP, NE	100.00	328,325.44	325,960.00	2,365.44	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	1,200.000	05/04/17	J.P. MORGAN CLEARING CORP, NE	60.00	199,933.40	195,576.00	4,357.40	0.00
936214	084670702	BERKSHIRE HATHAWAY INC	3,800.000	05/11/17	J.P. MORGAN CLEARING CORP, NE	190.00	619,933.68	619,324.00	609.68	0.00
936214	114340102	BROOKS AUTOMATION INC	8,000.000	06/12/17	J.P. MORGAN CLEARING CORP, NE	400.00	207,863.45	188,257.77	19,605.68	8,300.00
936214	114340102	BROOKS AUTOMATION INC	5,000.000	06/27/17	MORGAN STANLEY & CO INC, NY	300.00	119,140.89	117,661.11	1,479.78	0.00
936214	114340102	BROOKS AUTOMATION INC	2,500.000	06/29/17	J.P. MORGAN CLEARING CORP, NE	125.00	57,265.67	58,830.55	(1,564.88)	0.00
936214	114340102	BROOKS AUTOMATION INC	8,500.000	11/14/17	BLOOMBERG TRADEBOOK LLC, NE	255.00	228,833.40	214,563.08	14,270.32	0.00
936214	114340102	BROOKS AUTOMATION INC	6,000.000	11/27/17	MORGAN STANLEY & CO INC, NY	360.00	165,035.77	151,456.29	13,579.48	0.00
936214	114340102	BROOKS AUTOMATION INC	8,000.000	11/29/17	BLOOMBERG TRADEBOOK LLC, NE	240.00	206,110.43	201,941.72	4,168.71	0.00
936214	114340102	BROOKS AUTOMATION INC	8,000.000	11/30/17	J.P. MORGAN SECURITIES INC, NEI	400.00	199,848.17	201,941.72	(2,093.55)	0.00
936214	114340102	BROOKS AUTOMATION INC	8,000.000	12/04/17	BLOOMBERG TRADEBOOK LLC, NE	240.00	181,377.40	201,941.72	(20,564.32)	0.00
936214	138098108	CANTEL MEDICAL CORP	6,000.000	03/15/17	MORGAN STANLEY & CO INC, NY	360.00	469,340.96	481,464.08	(12,123.12)	945.00
936214	138098108	CANTEL MEDICAL CORP	2,000.000	03/17/17	INSTINET CORP, NEW YORK	80.00	156,786.38	160,488.03	(3,701.65)	0.00
936214	138098108	CANTEL MEDICAL CORP	1,500.000	03/20/17	INSTINET CORP, NEW YORK	60.00	116,931.74	120,366.02	(3,434.28)	0.00
936214	138098108	CANTEL MEDICAL CORP	3,000.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	150.00	225,482.28	240,732.04	(15,249.76)	0.00
936214	138098108	CANTEL MEDICAL CORP	2,000.000	04/04/17	J.P. MORGAN CLEARING CORP, NE	100.00	156,172.39	160,488.03	(4,315.64)	0.00
936214	138098108	CANTEL MEDICAL CORP	1,000.000	04/05/17	MORGAN STANLEY & CO INC, NY	60.00	76,760.22	80,244.01	(3,483.79)	0.00
936214	138098108	CANTEL MEDICAL CORP	1,000.000	04/06/17	BLOOMBERG TRADEBOOK,NEW Y	30.00	74,535.67	80,244.01	(5,708.34)	0.00
936214	138098108	CANTEL MEDICAL CORP	2,000.000	04/07/17	INSTINET CORP, NEW YORK	80.00	147,797.17	160,488.03	(12,690.86)	0.00
936214	171340102	CHURCH & DWIGHT CO INC	7,500.000	05/17/17	INSTINET CORP, NEW YORK	300.00	372,304.62	352,893.74	19,410.88	17,385.00
936214	171340102	CHURCH & DWIGHT CO INC	5,000.000	08/09/17	MORGAN STANLEY & CO INC, NY	300.00	248,293.75	239,034.34	9,259.41	0.00
936214	171340102	CHURCH & DWIGHT CO INC	3,000.000	08/15/17	J.P. MORGAN CLEARING CORP, NE	150.00	149,607.14	143,420.61	6,186.53	0.00
936214	171340102	CHURCH & DWIGHT CO INC	5,500.000	08/24/17	J.P. MORGAN CLEARING CORP, NE	275.00	273,189.13	262,937.78	10,251.35	0.00
936214	171340102	CHURCH & DWIGHT CO INC	3,500.000	09/12/17	J.P. MORGAN CLEARING CORP, NE	175.00	172,969.15	167,324.04	5,645.11	0.00
936214	171340102	CHURCH & DWIGHT CO INC	4,000.000	09/18/17	BLOOMBERG TRADEBOOK,NEW Y	120.00	200,826.95	191,227.47	9,599.48	0.00
936214	171340102	CHURCH & DWIGHT CO INC	3,500.000	09/19/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	177,654.14	167,324.04	10,330.10	0.00
936214	171340102	CHURCH & DWIGHT CO INC	2,000.000	09/22/17	MORGAN STANLEY & CO INC, NY	120.00	96,570.36	95,613.74	956.62	0.00
936214	171340102	CHURCH & DWIGHT CO INC	2,500.000	10/02/17	BLOOMBERG TRADEBOOK,NEW Y	75.00	120,347.46	119,517.17	830.29	0.00
936214	171340102	CHURCH & DWIGHT CO INC	5,500.000	10/04/17	BLOOMBERG TRADEBOOK,NEW Y	185.00	260,132.98	262,937.77	(2,804.79)	0.00
936214	171779309	CIENA CORP	18,000.000	03/15/17	MORGAN STANLEY & CO INC, NY	1,080.00	418,771.64	448,486.88	(29,715.24)	0.00
936214	171779309	CIENA CORP	7,000.000	03/17/17	INSTINET CORP, NEW YORK	280.00	164,732.90	174,411.56	(9,673.66)	0.00
936214	171779309	CIENA CORP	16,000.000	03/20/17	INSTINET CORP, NEW YORK	640.00	377,722.95	398,655.00	(20,932.05)	0.00
936214	171779309	CIENA CORP	4,500.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	225.00	106,178.33	112,121.72	(5,943.39)	0.00
936214	171779309	CIENA CORP	9,000.000	04/04/17	BLOOMBERG TRADEBOOK,NEW Y	270.00	205,651.81	224,243.44	(18,591.63)	0.00
936214	171779309	CIENA CORP	17,500.000	04/06/17	BLOOMBERG TRADEBOOK,NEW Y	525.00	388,960.51	436,028.90	(47,068.39)	0.00
936214	172967424	CITIGROUP INC	9,000.000	03/01/17	INSTINET CORP, NEW YORK	360.00	555,245.58	534,870.00	20,375.58	0.00
936214	172967424	CITIGROUP INC	3,500.000	03/27/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	230,379.51	208,005.00	(4,625.49)	0.00
936214	172967424	CITIGROUP INC	11,000.000	03/28/17	INSTINET CORP, NEW YORK	440.00	650,827.20	653,730.00	(2,902.80)	0.00
936214	172967424	CITIGROUP INC	2,000.000	04/04/17	J.P. MORGAN CLEARING CORP, NE	100.00	119,277.39	118,860.00	417.39	0.00
936214	172967424	CITIGROUP INC	2,000.000	04/13/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	116,549.66	118,860.00	(2,310.34)	0.00

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936214	172967424	CITIGROUP INC	2,500.000	04/19/17	INSTINET CORP, NEW YORK	100.00	146,133.31	148,575.00	(2,441.69)	0.00
936214	172967424	CITIGROUP INC	1,500.000	04/24/17	MORGAN STANLEY & CO INC, NY	90.00	89,075.25	89,145.00	(69.75)	0.00
936214	172967424	CITIGROUP INC	2,000.000	05/12/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	120,832.16	118,860.00	1,972.16	0.00
936214	172967424	CITIGROUP INC	10,000.000	06/02/17	J.P. MORGAN CLEARING CORP, NE	500.00	608,266.72	594,300.00	13,966.72	0.00
936214	172967424	CITIGROUP INC	3,000.000	11/15/17	BLOOMBERG TRADEBOOK LLC, NE	90.00	214,621.04	221,764.21	(7,143.17)	0.00
936214	192422103	COGNEX CORP	5,400.000	02/15/17	J.P. MORGAN CLEARING CORP, NE	270.00	375,108.21	343,548.00	31,560.21	0.00
936214	192422103	COGNEX CORP	4,500.000	03/13/17	MORGAN STANLEY & CO INC, NY	270.00	358,848.27	286,290.00	72,558.27	0.00
936214	192422103	COGNEX CORP	4,500.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	225.00	351,778.02	286,290.00	65,488.02	0.00
936214	192422103	COGNEX CORP	5,500.000	03/27/17	J.P. MORGAN CLEARING CORP, NE	275.00	438,327.78	349,910.00	88,417.78	0.00
936214	192422103	COGNEX CORP	3,000.000	04/03/17	J.P. MORGAN CLEARING CORP, NE	150.00	251,474.01	190,860.00	60,614.01	0.00
936214	192422103	COGNEX CORP	3,000.000	04/11/17	J.P. MORGAN CLEARING CORP, NE	150.00	247,793.39	190,860.00	56,933.39	0.00
936214	192422103	COGNEX CORP	2,000.000	04/20/17	MORGAN STANLEY & CO INC, NY	120.00	163,754.22	127,240.00	36,514.22	0.00
936214	192422103	COGNEX CORP	3,000.000	06/12/17	INSTINET CORP, NEW YORK	120.00	266,832.18	199,453.91	67,378.27	0.00
936214	192422103	COGNEX CORP	2,500.000	06/29/17	J.P. MORGAN CLEARING CORP, NE	125.00	221,162.88	166,211.59	54,951.29	0.00
936214	192422103	COGNEX CORP	2,500.000	11/27/17	INSTINET CLEARING SER INC, NEV	100.00	358,361.96	166,211.59	192,150.37	0.00
936214	192422103	COGNEX CORP	6,000.000	12/05/17	INSTINET CLEARING SER INC, NEV	240.00	380,899.39	199,453.91	181,445.48	0.00
936214	192422103	COGNEX CORP	3,500.000	12/06/17	INSTINET CLEARING SER INC, NEV	140.00	217,328.52	116,348.11	100,980.41	0.00
936214	192422103	COGNEX CORP	4,500.000	12/12/17	BLOOMBERG TRADEBOOK LLC, NE	135.00	286,674.87	149,590.43	137,084.44	0.00
936214	192422103	COGNEX CORP	4,000.000	12/14/17	J.P. MORGAN SECURITIES INC, NEI	200.00	248,273.06	132,969.27	115,303.79	0.00
936214	192422103	COGNEX CORP	2,000.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	60.00	122,663.16	66,484.64	56,178.52	0.00
936214	192422103	COGNIZANT TECHNOLOGY SOLUTION	2,500.000	06/12/17	INSTINET CORP, NEW YORK	100.00	164,589.90	162,005.37	2,584.53	9,750.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	2,500.000	11/14/17	BLOOMBERG TRADEBOOK LLC, NE	75.00	186,559.93	162,005.36	24,554.57	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	5,000.000	11/27/17	MORGAN STANLEY & CO INC, NY	300.00	361,525.14	324,010.73	37,514.41	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	5,000.000	11/29/17	BLOOMBERG TRADEBOOK LLC, NE	150.00	360,548.16	324,010.73	36,537.43	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	2,500.000	11/30/17	J.P. MORGAN SECURITIES INC, NEI	125.00	181,040.56	162,005.37	19,035.19	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	2,500.000	12/13/17	MORGAN STANLEY & CO INC, NY	150.00	178,634.36	162,005.36	16,629.00	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	1,500.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	107,968.55	97,203.22	10,765.33	0.00
936214	192446102	COGNIZANT TECHNOLOGY SOLUTION	3,500.000	12/19/17	J.P. MORGAN SECURITIES INC, NEI	175.00	250,500.75	226,807.51	23,693.24	0.00
936214	21240D107	CONTROL4 CORP	4,000.000	10/27/17	INSTINET CLEARING SER INC, NEV	160.00	111,175.02	95,733.41	15,441.61	0.00
936214	21240D107	CONTROL4 CORP	4,500.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	135.00	127,051.41	107,700.08	19,351.33	0.00
936214	21240D107	CONTROL4 CORP	4,500.000	11/02/17	J.P. MORGAN SECURITIES INC, NEI	225.00	125,224.00	107,700.08	17,523.92	0.00
936214	21240D107	CONTROL4 CORP	4,000.000	12/06/17	BLOOMBERG TRADEBOOK LLC, NE	120.00	120,765.60	95,733.41	25,032.19	0.00
936214	21240D107	CONTROL4 CORP	3,500.000	12/12/17	BLOOMBERG TRADEBOOK LLC, NE	105.00	108,977.68	83,766.73	25,210.95	0.00
936214	21240D107	CONTROL4 CORP	3,000.000	12/13/17	J.P. MORGAN SECURITIES INC, NEI	150.00	93,343.14	71,800.05	21,543.09	0.00
936214	21240D107	CONTROL4 CORP	4,000.000	12/14/17	J.P. MORGAN SECURITIES INC, NEI	200.00	123,502.74	95,733.41	27,769.33	0.00
936214	21240D107	CONTROL4 CORP	2,500.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	75.00	81,750.10	59,833.38	21,916.72	0.00
936214	232109108	CUTERA INC	1,500.000	10/27/17	INSTINET CLEARING SER INC, NEV	60.00	57,304.67	43,440.94	13,863.73	0.00
936214	232109108	CUTERA INC	1,500.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	58,064.70	43,440.94	14,623.76	0.00
936214	232109108	CUTERA INC	1,500.000	11/02/17	J.P. MORGAN SECURITIES INC, NEI	75.00	59,536.92	43,440.94	16,095.98	0.00
936214	235851102	DANAHER CORP	2,000.000	02/17/17	J.P. MORGAN CLEARING CORP, NE	100.00	167,781.34	156,090.48	11,690.86	5,400.00
936214	235851102	DANAHER CORP	5,000.000	04/25/17	BLOOMBERG TRADEBOOK, NEW Y	150.00	417,300.90	402,319.76	14,981.14	0.00
936214	235851102	DANAHER CORP	2,000.000	05/04/17	J.P. MORGAN CLEARING CORP, NE	100.00	167,208.75	160,927.90	6,280.85	0.00
936214	235851102	DANAHER CORP	2,000.000	05/09/17	MORGAN STANLEY & CO INC, NY	120.00	166,691.76	160,927.90	5,763.86	0.00

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936214	235851102	DANAHER CORP	5,500.000	05/12/17	BLOOMBERG TRADEBOOK, NEW Y	165.00	456,049.50	442,551.74	13,497.76	0.00
936214	235851102	DANAHER CORP	3,500.000	05/15/17	J.P. MORGAN CLEARING CORP, NE	175.00	291,869.48	281,623.83	10,245.65	0.00
936214	235851102	DANAHER CORP	1,500.000	05/17/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	123,413.10	120,695.93	2,717.17	0.00
936214	235851102	DANAHER CORP	6,000.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	300.00	507,327.33	482,783.71	24,543.62	0.00
936214	278865100	ECOLAB INC	1,000.000	01/13/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	118,893.10	117,220.00	1,673.10	1,924.00
936214	278865100	ECOLAB INC	3,700.000	02/14/17	INSTINET CORP, NEW YORK	148.00	452,773.92	433,714.00	19,059.92	0.00
936214	282539105	8POINT3 ENERGY PARTNERS LP	30,000.000	03/20/17	BLOOMBERG TRADEBOOK, NEW Y	900.00	375,294.80	389,400.00	(14,105.20)	7,470.00
936214	285229100	ELECTRO SCIENTIFIC INDUSTRIES	7,500.000	12/06/17	INSTINET CLEARING SER INC, NEV	300.00	153,077.45	182,953.23	(29,875.78)	0.00
936214	285229100	ELECTRO SCIENTIFIC INDUSTRIES	11,000.000	12/11/17	J.P. MORGAN SECURITIES INC, NEI	550.00	224,318.90	268,331.40	(44,012.50)	0.00
936214	285229100	ELECTRO SCIENTIFIC INDUSTRIES	12,000.000	12/12/17	INSTINET CLEARING SER INC, NEV	480.00	234,737.36	292,725.17	(57,987.81)	0.00
936214	30303M102	FACEBOOK INC	2,000.000	06/12/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	296,448.93	259,910.41	36,538.52	0.00
936214	30303M102	FACEBOOK INC	4,000.000	06/16/17	BLOOMBERG TRADEBOOK, NEW Y	0.00	600,054.51	527,582.38	72,472.13	0.00
936214	30303M102	FACEBOOK INC	1,500.000	08/21/17	MORGAN STANLEY & CO INC, NY	90.00	250,533.96	197,843.39	52,690.57	0.00
936214	30303M102	FACEBOOK INC	2,500.000	09/18/17	J.P. MORGAN SECURITIES INC, NEI	125.00	424,271.69	329,738.99	94,532.70	0.00
936214	30303M102	FACEBOOK INC	4,000.000	09/27/17	BLOOMBERG TRADEBOOK, NEW Y	120.00	672,070.07	527,582.38	144,487.69	0.00
936214	30303M102	FACEBOOK INC	1,500.000	09/29/17	BLOOMBERG TRADEBOOK, NEW Y	45.00	255,885.23	197,843.39	58,041.84	0.00
936214	30303M102	FACEBOOK INC	3,500.000	10/05/17	J.P. MORGAN SECURITIES INC, NEI	175.00	590,355.85	461,634.59	128,721.26	0.00
936214	30303M102	FACEBOOK INC	500.000	10/17/17	INSTINET CLEARING SER INC, NEV	20.00	87,635.22	65,947.80	21,687.42	0.00
936214	30303M102	FACEBOOK INC	500.000	10/27/17	INSTINET CLEARING SER INC, NEV	20.00	88,426.60	65,947.80	22,478.80	0.00
936214	30303M102	FACEBOOK INC	2,500.000	11/14/17	INSTINET CLEARING SER INC, NEV	100.00	445,752.70	329,738.99	116,013.71	0.00
936214	30303M102	FACEBOOK INC	9,000.000	07/11/17	BLOOMBERG TRADEBOOK, NEW Y	270.00	574,271.32	494,080.78	80,210.54	0.00
936214	34959J108	FORTIVE CORP	7,000.000	07/24/17	INSTINET CORP, NEW YORK	280.00	442,760.76	384,269.50	58,491.26	0.00
936214	34959J108	FORTIVE CORP	3,000.000	07/27/17	MORGAN STANLEY & CO INC, NY	180.00	187,057.67	164,686.93	22,370.74	0.00
936214	34959J108	FORTIVE CORP	3,500.000	11/16/17	J.P. MORGAN SECURITIES INC, NEI	175.00	253,922.63	205,280.11	48,642.52	0.00
936214	34959J108	FORTIVE CORP	3,000.000	12/13/17	MORGAN STANLEY & CO INC, NY	180.00	217,596.96	175,954.38	41,642.58	0.00
936214	34959J108	FORTIVE CORP	4,000.000	12/14/17	BLOOMBERG TRADEBOOK LLC, NE	120.00	287,759.74	234,605.84	53,153.90	0.00
936214	34959J108	FORTIVE CORP	3,500.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	105.00	254,788.86	205,280.11	49,508.75	0.00
936214	34959J108	FORTIVE CORP	4,000.000	12/19/17	J.P. MORGAN SECURITIES INC, NEI	200.00	288,412.13	234,605.84	53,806.29	0.00
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	1,000.000	08/09/17	MORGAN STANLEY & CO INC, NY	60.00	63,749.72	65,516.35	(1,766.63)	1,080.00
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	3,800.000	08/21/17	INSTINET CORP, NEW YORK	152.00	238,181.15	248,982.13	(10,780.98)	0.00
936214	34964C106	FORTUNE BRANDS HOME & SECURIT	6,000.000	10/17/17	INSTINET CLEARING SER INC, NEV	240.00	397,229.21	393,098.11	4,131.10	0.00
936214	45780L104	INOGEN INC	1,000.000	12/13/17	J.P. MORGAN SECURITIES INC, NEI	50.00	120,298.31	105,796.62	14,501.69	0.00
936214	458140100	INTEL CORP	5,000.000	02/10/17	MORGAN STANLEY & CO INC, NY	300.00	175,988.15	181,350.00	(5,361.85)	5,200.00
936214	458140100	INTEL CORP	7,500.000	02/14/17	BLOOMBERG TRADEBOOK, NEW Y	225.00	267,802.65	272,025.00	(4,222.35)	0.00
936214	458140100	INTEL CORP	7,500.000	02/15/17	J.P. MORGAN CLEARING CORP, NE	375.00	267,577.65	272,025.00	(4,447.35)	0.00
936214	459200101	INTERNATIONAL BUSINESS MACHINE	2,000.000	04/03/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	347,733.02	331,980.00	15,753.02	27,950.00
936214	459200101	INTERNATIONAL BUSINESS MACHINE	1,500.000	04/21/17	J.P. MORGAN CLEARING CORP, NE	75.00	241,456.48	248,985.00	(7,528.52)	0.00
936214	459200101	INTERNATIONAL BUSINESS MACHINE	2,000.000	04/25/17	BLOOMBERG TRADEBOOK, NEW Y	60.00	321,893.58	331,980.00	(10,086.42)	0.00
936214	459200101	INTERNATIONAL BUSINESS MACHINE	1,000.000	05/05/17	BLOOMBERG TRADEBOOK, NEW Y	30.00	155,114.21	165,990.00	(10,875.79)	0.00
936214	459200101	INTERNATIONAL BUSINESS MACHINE	3,500.000	05/09/17	MORGAN STANLEY & CO INC, NY	210.00	530,868.42	580,965.00	(50,096.58)	0.00
936214	459200101	INTERNATIONAL BUSINESS MACHINE	3,000.000	05/12/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	450,726.67	497,970.00	(47,243.33)	0.00
936214	464287234	ISHARES MSCI EMERGING MARKET	7,500.000	01/04/17	J.P. MORGAN CLEARING CORP, NE	375.00	267,530.40	262,575.00	4,955.40	0.00
936214	478160104	JOHNSON & JOHNSON	1,500.000	01/25/17	MORGAN STANLEY & CO INC, NY	90.00	168,407.62	172,815.00	(4,407.38)	0.00

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936214	478160104	JOHNSON & JOHNSON	2,000.000	02/14/17	INSTINET CORP, NEW YORK	80.00	231,737.14	230,420.00	1,317.14	0.00
936214	478160104	JOHNSON & JOHNSON	1,500.000	04/20/17	MORGAN STANLEY & CO INC, NY	90.00	182,549.01	177,549.79	4,999.22	0.00
936214	478160104	JOHNSON & JOHNSON	1,500.000	05/04/17	J.P. MORGAN CLEARING CORP, NE	75.00	185,216.41	177,549.79	7,666.62	0.00
936214	478160104	JOHNSON & JOHNSON	1,000.000	05/09/17	J.P. MORGAN CLEARING CORP, NE	50.00	123,201.11	118,366.53	4,834.58	0.00
936214	478160104	JOHNSON & JOHNSON	1,500.000	05/12/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	185,930.54	177,549.79	8,380.75	0.00
936214	478160104	JOHNSON & JOHNSON	3,000.000	09/27/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	388,938.01	369,883.14	19,114.87	0.00
936214	478160104	JOHNSON & JOHNSON	2,000.000	10/02/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	262,147.14	246,588.76	15,558.38	0.00
936214	493267108	KEYCORP	2,000.000	07/27/17	MORGAN STANLEY & CO INC, NY	120.00	35,892.56	37,411.20	(1,518.64)	950.00
936214	493267108	KEYCORP	2,000.000	08/15/17	INSTINET CORP, NEW YORK	80.00	35,859.96	37,411.20	(1,551.24)	0.00
936214	493267108	KEYCORP	5,000.000	08/21/17	BLOOMBERG TRADEBOOK,NEW Y	150.00	86,716.99	93,528.00	(6,811.01)	0.00
936214	493267108	KEYCORP	10,000.000	09/08/17	J.P. MORGAN CLEARING CORP, NE	500.00	165,503.16	187,056.00	(21,552.84)	0.00
936214	50540R409	LABORATORY CORP OF AMERICA HO	4,000.000	05/17/17	BLOOMBERG TRADEBOOK,NEW Y	120.00	554,075.91	570,368.91	(16,293.00)	0.00
936214	50540R409	LABORATORY CORP OF AMERICA HO	1,700.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	85.00	236,423.53	242,406.79	(5,983.26)	0.00
936214	50540R409	LABORATORY CORP OF AMERICA HO	3,400.000	06/06/17	MORGAN STANLEY & CO INC, NY	204.00	473,618.17	484,813.58	(11,195.41)	0.00
936214	50540R409	LABORATORY CORP OF AMERICA HO	3,400.000	06/07/17	BLOOMBERG TRADEBOOK,NEW Y	102.00	476,036.53	484,813.57	(8,777.04)	0.00
936214	550021109	LULULEMON ATHLETICA INC	1,500.000	02/14/17	INSTINET CORP, NEW YORK	60.00	101,215.84	98,751.71	2,464.13	0.00
936214	550021109	LULULEMON ATHLETICA INC	8,500.000	03/01/17	MORGAN STANLEY & CO INC, NY	510.00	550,948.62	559,592.99	(8,644.37)	0.00
936214	55306N104	MKS INSTRUMENTS INC	4,500.000	04/04/17	BLOOMBERG TRADEBOOK,NEW Y	135.00	304,509.71	270,209.99	34,299.72	0.00
936214	55306N104	MKS INSTRUMENTS INC	4,000.000	04/07/17	INSTINET CORP, NEW YORK	160.00	270,048.10	240,186.65	29,861.45	0.00
936214	55306N104	MKS INSTRUMENTS INC	3,500.000	04/11/17	J.P. MORGAN CLEARING CORP, NE	175.00	232,845.72	210,163.32	22,682.40	0.00
936214	55306N104	MKS INSTRUMENTS INC	3,000.000	04/19/17	INSTINET CORP, NEW YORK	120.00	205,413.31	180,139.99	25,273.32	0.00
936214	55306N104	MKS INSTRUMENTS INC	7,500.000	06/12/17	J.P. MORGAN CLEARING CORP, NE	375.00	579,666.85	490,055.32	89,611.53	0.00
936214	55306N104	MKS INSTRUMENTS INC	3,000.000	06/15/17	J.P. MORGAN CLEARING CORP, NE	150.00	219,932.10	196,022.13	23,909.97	0.00
936214	55306N104	MKS INSTRUMENTS INC	2,700.000	06/20/17	MORGAN STANLEY & CO INC, NY	162.00	196,720.67	176,419.92	20,300.75	0.00
936214	55306N104	MKS INSTRUMENTS INC	3,500.000	06/23/17	J.P. MORGAN CLEARING CORP, NE	175.00	256,230.11	228,692.48	27,537.63	0.00
936214	55306N104	MKS INSTRUMENTS INC	3,100.000	06/27/17	MORGAN STANLEY & CO INC, NY	186.00	219,644.15	202,556.20	17,087.95	0.00
936214	55306N104	MKS INSTRUMENTS INC	2,500.000	06/29/17	J.P. MORGAN CLEARING CORP, NE	125.00	168,726.34	163,351.77	5,374.57	0.00
936214	55306N104	MKS INSTRUMENTS INC	1,700.000	08/03/17	J.P. MORGAN CLEARING CORP, NE	85.00	130,786.47	113,271.09	17,515.38	0.00
936214	55306N104	MKS INSTRUMENTS INC	5,500.000	11/16/17	MORGAN STANLEY & CO INC, NY	300.00	571,436.79	417,141.12	154,295.67	0.00
936214	55306N104	MKS INSTRUMENTS INC	1,500.000	11/27/17	J.P. MORGAN SECURITIES INC, NE	75.00	52,018.79	37,921.92	14,096.87	0.00
936214	55306N104	MKS INSTRUMENTS INC	3,500.000	11/29/17	INSTINET CLEARING SER INC, NEV	140.00	156,589.18	113,765.76	42,823.42	0.00
936214	55306N104	MKS INSTRUMENTS INC	2,000.000	11/30/17	INSTINET CLEARING SER INC, NEV	80.00	332,184.67	285,453.44	46,731.23	0.00
936214	55306N104	MKS INSTRUMENTS INC	1,000.000	12/05/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	192,501.15	151,687.68	40,813.47	0.00
936214	56418H100	MANPOWERGROUP INC	7,700.000	07/25/17	INSTINET CORP, NEW YORK	308.00	92,695.85	75,843.84	16,852.01	0.00
936214	56418H100	MANPOWERGROUP INC	1,000.000	07/27/17	MORGAN STANLEY & CO INC, NY	60.00	821,304.60	790,282.44	31,022.16	0.00
936214	56418H100	MANPOWERGROUP INC	1,000.000	07/28/17	BLOOMBERG TRADEBOOK,NEW Y	30.00	104,719.07	102,634.08	2,084.99	0.00
936214	56418H100	MANPOWERGROUP INC	3,000.000	08/02/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	106,362.94	102,634.08	3,728.86	0.00
936214	56418H100	MANPOWERGROUP INC	2,000.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	60.00	316,271.29	307,902.25	8,369.04	0.00
936214	56418H100	MANPOWERGROUP INC	1,500.000	02/27/17	MORGAN STANLEY & CO INC, NY	90.00	253,698.13	239,339.89	14,358.24	0.00
936214	56585A102	MARATHON PETROLEUM CORP	2,000.000	04/20/17	MORGAN STANLEY & CO INC, NY	120.00	75,740.69	73,998.64	1,742.05	0.00
936214	56585A102	MARATHON PETROLEUM CORP	2,000.000	04/27/17	MORGAN STANLEY & CO INC, NY	120.00	96,566.09	98,659.11	(2,093.02)	0.00
936214	56585A102	MARATHON PETROLEUM CORP	2,000.000	04/24/17	MORGAN STANLEY & CO INC, NY	120.00	99,956.61	98,659.11	1,297.50	0.00
936214	56585A102	MARATHON PETROLEUM CORP	3,000.000	05/05/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	150,612.91	147,988.67	2,624.24	0.00

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936214	574599106	MASCO CORP	9,000.000	07/24/17	INSTINET CORP, NEW YORK	360.00	340,013.03	304,253.00	35,760.03	0.00
936214	574599106	MASCO CORP	5,500.000	09/19/17	BLOOMBERG TRADEBOOK, NEW Y	165.00	205,039.10	185,932.39	19,106.71	0.00
936214	574599106	MASCO CORP	6,000.000	09/22/17	J.P. MORGAN SECURITIES INC, NEI	300.00	228,271.91	202,835.33	25,436.58	0.00
936214	574599106	MASCO CORP	3,500.000	11/15/17	BLOOMBERG TRADEBOOK LLC, NE	105.00	135,823.10	118,320.61	17,502.49	0.00
936214	574599106	MASCO CORP	5,000.000	11/16/17	INSTINET CLEARING SER INC, NEV	200.00	196,488.45	169,029.45	27,459.00	0.00
936214	58471A105	MEDIDATA SOLUTIONS INC	2,000.000	08/15/17	INSTINET CORP, NEW YORK	80.00	147,240.99	154,208.39	(6,967.40)	0.00
936214	58471A105	MEDIDATA SOLUTIONS INC	7,000.000	08/21/17	BLOOMBERG TRADEBOOK, NEW Y	210.00	494,121.38	539,729.36	(45,607.98)	0.00
936214	58471A105	MEDIDATA SOLUTIONS INC	3,000.000	09/19/17	BLOOMBERG TRADEBOOK, NEW Y	90.00	225,332.89	231,312.59	(5,979.70)	0.00
936214	58471A105	MEDIDATA SOLUTIONS INC	1,500.000	09/22/17	MORGAN STANLEY & CO INC, NY	90.00	113,734.27	115,656.29	(1,922.02)	0.00
936214	58471A105	MEDIDATA SOLUTIONS INC	1,500.000	10/30/17	J.P. MORGAN SECURITIES INC, NEI	75.00	112,012.31	115,656.29	(3,643.98)	0.00
936214	58471A105	MEDIDATA SOLUTIONS INC	4,500.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	135.00	316,282.39	346,968.88	(30,686.49)	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	3,500.000	04/11/17	J.P. MORGAN CLEARING CORP, NE	175.00	251,061.42	230,187.47	20,873.95	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	7,000.000	06/12/17	INSTINET CORP, NEW YORK	280.00	574,686.46	477,211.07	97,455.39	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	06/15/17	J.P. MORGAN CLEARING CORP, NE	125.00	203,719.05	170,432.52	33,286.53	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	5,500.000	11/14/17	BLOOMBERG TRADEBOOK LLC, NE	165.00	497,989.29	385,049.45	112,939.84	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	4,500.000	11/16/17	INSTINET CLEARING SER INC, NEV	180.00	406,216.86	315,040.46	91,176.40	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	2,000.000	11/27/17	MORGAN STANLEY & CO INC, NY	120.00	178,156.88	140,017.98	38,138.90	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	5,000.000	11/29/17	INSTINET CLEARING SER INC, NEV	200.00	434,584.45	350,044.95	84,539.50	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	1,500.000	11/30/17	J.P. MORGAN SECURITIES INC, NEI	75.00	132,229.14	105,013.49	27,215.65	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	1,000.000	12/13/17	MORGAN STANLEY & CO INC, NY	60.00	86,670.69	70,008.99	16,661.70	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	1,500.000	12/14/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	129,769.50	105,013.49	24,756.01	0.00
936214	595017104	MICROCHIP TECHNOLOGY INC	2,000.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	60.00	177,387.10	140,017.98	37,369.12	0.00
936214	608190104	MOHAWK INDUSTRIES INC	1,000.000	05/15/17	J.P. MORGAN CLEARING CORP, NE	50.00	232,659.02	227,716.10	4,942.92	0.00
936214	608190104	MOHAWK INDUSTRIES INC	3,500.000	07/25/17	INSTINET CORP, NEW YORK	140.00	841,790.05	797,006.34	44,783.71	0.00
936214	608190104	MOHAWK INDUSTRIES INC	500.000	09/19/17	INSTINET CORP, NEW YORK	20.00	126,390.52	116,849.16	9,541.36	0.00
936214	624758108	MUELLER WATER PRODUCTS INC	10,000.000	03/01/17	MORGAN STANLEY & CO INC, NY	600.00	127,346.21	134,323.19	(6,976.98)	2,080.00
936214	624758108	MUELLER WATER PRODUCTS INC	4,500.000	03/06/17	J.P. MORGAN CLEARING CORP, NE	225.00	54,642.30	60,445.44	(5,803.14)	0.00
936214	624758108	MUELLER WATER PRODUCTS INC	4,000.000	03/17/17	BLOOMBERG TRADEBOOK, NEW Y	120.00	48,135.35	53,729.28	(5,593.93)	0.00
936214	624758108	MUELLER WATER PRODUCTS INC	8,500.000	03/20/17	BLOOMBERG TRADEBOOK, NEW Y	255.00	102,140.57	114,174.71	(12,034.14)	0.00
936214	624758108	MUELLER WATER PRODUCTS INC	8,000.000	03/23/17	MORGAN STANLEY & CO INC, NY	480.00	95,173.91	107,458.55	(12,284.64)	0.00
936214	624758108	MUELLER WATER PRODUCTS INC	17,000.000	03/28/17	INSTINET CORP, NEW YORK	680.00	196,768.99	228,349.43	(31,580.44)	0.00
936214	64110L106	NETFLIX INC	1,500.000	08/29/17	MORGAN STANLEY & CO INC, NY	90.00	253,617.28	277,565.59	(23,948.31)	0.00
936214	64110L106	NETFLIX INC	1,000.000	11/14/17	INSTINET CLEARING SER INC, NEV	40.00	194,554.40	184,960.14	9,594.26	0.00
936214	64125C109	NEUROCRINE BIOSCIENCES INC	6,000.000	02/16/17	INSTINET CORP, NEW YORK	240.00	256,351.00	232,600.00	24,151.00	0.00
936214	64125C109	NEUROCRINE BIOSCIENCES INC	8,000.000	03/27/17	J.P. MORGAN CLEARING CORP, NE	400.00	333,235.92	309,600.00	23,635.92	0.00
936214	64125C109	NEUROCRINE BIOSCIENCES INC	1,000.000	04/20/17	MORGAN STANLEY & CO INC, NY	60.00	51,676.87	38,700.00	12,976.87	0.00
936214	64125C109	NEUROCRINE BIOSCIENCES INC	500.000	08/07/17	BLOOMBERG TRADEBOOK, NEW Y	15.00	26,891.92	19,350.00	7,541.92	0.00
936214	65339F101	NEXTERA ENERGY INC	500.000	01/25/17	J.P. MORGAN CLEARING CORP, NE	25.00	59,419.95	59,730.00	(310.05)	0.00
936214	65339F101	NEXTERA ENERGY INC	1,500.000	01/27/17	MORGAN STANLEY & CO INC, NY	90.00	181,263.69	179,190.00	2,073.69	0.00
936214	65339F101	NEXTERA ENERGY INC	3,500.000	01/31/17	MORGAN STANLEY & CO INC, NY	210.00	434,043.38	418,110.00	15,933.38	0.00
936214	690742101	OWENS CORNING	2,500.000	11/15/17	INSTINET CLEARING SER INC, NEV	100.00	205,145.75	179,086.95	26,058.80	0.00
936214	701094104	PARKER-HANNIFIN CORP	800.000	04/24/17	MORGAN STANLEY & CO INC, NY	48.00	127,442.50	126,571.17	871.33	3,960.00
936214	701094104	PARKER-HANNIFIN CORP	3,000.000	05/16/17	INSTINET CORP, NEW YORK	120.00	467,996.39	474,641.87	(6,645.48)	0.00

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936214	701094104	PARKER-HANNIFIN CORP	1,000.000	05/17/17	INSTINET CORP, NEW YORK	40.00	154,231.13	158,213.96	(3,982.83)	0.00
936214	701094104	PARKER-HANNIFIN CORP	2,000.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	100.00	317,195.28	316,427.91	767.37	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	1,000.000	01/13/17	BLOOMBERG TRADEBOOK,NEW Y	30.00	83,767.67	84,080.00	(312.33)	16,034.75
936214	742718109	PROCTER & GAMBLE CO/THE	3,500.000	05/04/17	J.P. MORGAN CLEARING CORP, NE	175.00	302,253.75	304,222.75	(1,969.00)	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	6,000.000	05/09/17	MORGAN STANLEY & CO INC, NY	360.00	517,603.90	521,524.72	(3,920.82)	0.00
936214	742718109	PROCTER & GAMBLE CO/THE	5,500.000	05/11/17	J.P. MORGAN CLEARING CORP, NE	275.00	473,545.17	478,064.33	(4,519.16)	0.00
936214	747525103	QUALCOMM INC	2,200.000	01/04/17	INSTINET CORP, NEW YORK	88.00	144,145.69	143,440.00	705.69	0.00
936214	747525103	QUALCOMM INC	4,800.000	01/25/17	MORGAN STANLEY & CO INC, NY	288.00	268,547.89	312,960.00	(44,412.11)	0.00
936214	747525103	QUALCOMM INC	1,000.000	01/27/17	INSTINET CORP, NEW YORK	40.00	54,037.12	65,200.00	(11,162.88)	0.00
936214	747525103	QUALCOMM INC	7,000.000	02/01/17	J.P. MORGAN CLEARING CORP, NE	350.00	372,903.56	456,400.00	(83,496.44)	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	5,000.000	03/22/17	J.P. MORGAN CLEARING CORP, NE	250.00	492,399.26	464,035.09	28,364.17	23,850.00
936214	74834L100	QUEST DIAGNOSTICS INC	5,000.000	03/28/17	INSTINET CORP, NEW YORK	200.00	489,984.31	464,035.09	25,949.22	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	3,000.000	04/03/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	293,926.69	278,421.05	15,505.64	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	3,500.000	07/11/17	J.P. MORGAN CLEARING CORP, NE	175.00	380,144.06	339,434.62	40,709.44	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	2,000.000	07/12/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	217,503.77	193,962.64	23,541.13	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	1,200.000	07/17/17	BLOOMBERG TRADEBOOK,NEW Y	36.00	131,382.32	116,377.59	15,004.73	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	3,500.000	07/24/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	380,447.50	339,434.62	41,012.88	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	1,300.000	07/28/17	BLOOMBERG TRADEBOOK,NEW Y	39.00	141,594.11	126,075.72	15,478.39	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	1,000.000	08/03/17	MORGAN STANLEY & CO INC, NY	60.00	107,493.41	96,981.32	10,512.09	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	700.000	08/09/17	MORGAN STANLEY & CO INC, NY	42.00	74,388.19	67,886.93	6,501.26	0.00
936214	74834L100	QUEST DIAGNOSTICS INC	4,300.000	08/15/17	INSTINET CORP, NEW YORK	172.00	457,281.96	417,019.68	40,262.28	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	2,500.000	01/04/17	INSTINET CORP, NEW YORK	100.00	314,020.90	314,575.00	(554.10)	10,660.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	1,000.000	02/27/17	J.P. MORGAN CLEARING CORP, NE	50.00	129,247.18	125,830.00	3,417.18	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	3,500.000	03/01/17	J.P. MORGAN CLEARING CORP, NE	175.00	463,209.99	440,405.00	22,804.99	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	3,000.000	03/10/17	INSTINET CORP, NEW YORK	120.00	383,684.03	377,490.00	6,174.03	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	1,500.000	03/13/17	J.P. MORGAN CLEARING CORP, NE	75.00	191,194.08	188,745.00	2,449.08	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	3,500.000	03/20/17	INSTINET CORP, NEW YORK	140.00	452,762.72	440,405.00	12,357.72	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	1,000.000	03/23/17	MORGAN STANLEY & CO INC, NY	60.00	126,166.04	125,830.00	336.04	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	1,500.000	04/04/17	J.P. MORGAN CLEARING CORP, NE	75.00	190,308.34	188,745.00	1,563.34	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	1,000.000	04/07/17	MORGAN STANLEY & CO INC, NY	60.00	125,175.16	125,830.00	(654.84)	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	800.000	04/13/17	J.P. MORGAN CLEARING CORP, NE	40.00	99,757.90	100,964.00	(906.10)	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	1,000.000	04/17/17	INSTINET CORP, NEW YORK	40.00	124,912.57	125,830.00	(917.43)	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	500.000	04/19/17	INSTINET CORP, NEW YORK	20.00	62,836.97	62,915.00	(78.03)	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	700.000	04/27/17	INSTINET CORP, NEW YORK	28.00	90,980.02	88,081.00	2,899.02	0.00
936214	759351604	REINSURANCE GROUP OF AMERICA I	3,500.000	05/11/17	J.P. MORGAN CLEARING CORP, NE	175.00	435,122.76	440,405.00	(5,282.24)	0.00
936214	776696106	ROPER TECHNOLOGIES INC	1,200.000	11/16/17	J.P. MORGAN SECURITIES INC, NEI	60.00	307,424.25	279,688.17	27,736.08	0.00
936214	776696106	ROPER TECHNOLOGIES INC	500.000	12/13/17	J.P. MORGAN SECURITIES INC, NEI	25.00	128,374.53	116,536.74	11,837.79	0.00
936214	776696106	ROPER TECHNOLOGIES INC	1,500.000	12/14/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	381,749.58	349,610.21	32,139.37	0.00
936214	776696106	ROPER TECHNOLOGIES INC	1,000.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	258,292.03	233,073.47	25,218.56	0.00
936214	78462F103	SPDR S&P 500 ETF TRUST	1,000.000	01/04/17	INSTINET CORP, NEW YORK	40.00	225,915.07	223,530.00	2,385.07	18,750.70
936214	78462F103	SPDR S&P 500 ETF TRUST	2,000.000	01/10/17	INSTINET CORP, NEW YORK	80.00	452,964.52	447,060.00	5,904.52	0.00
936214	78462F103	SPDR S&P 500 ETF TRUST	4,000.000	01/10/17	INSTINET CORP, NEW YORK	160.00	905,011.86	894,120.00	10,891.86	0.00
936214	78462F103	SPDR S&P 500 ETF TRUST	1,000.000	03/17/17	INSTINET CORP, NEW YORK	40.00	237,164.82	223,530.00	13,634.82	0.00

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936214	78462F103	SPDR S&P 500 ETF TRUST	3,000.000	03/20/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	710,834.80	670,590.00	40,244.80	0.00
936214	78467Y107	SPDR S&P MIDCAP 400 ETF TRST	1,000.000	02/27/17	J.P. MORGAN CLEARING CORP, NE	50.00	316,663.09	301,730.00	14,933.09	8,735.40
936214	78467Y107	SPDR S&P MIDCAP 400 ETF TRST	1,300.000	03/06/17	MORGAN STANLEY & CO INC, NY	78.00	407,679.95	392,249.00	15,430.95	0.00
936214	78467Y107	SPDR S&P MIDCAP 400 ETF TRST	5,200.000	03/09/17	MORGAN STANLEY & CO INC, NY	312.00	1,621,067.77	1,568,986.00	52,071.77	0.00
936214	78486Q101	SVB FINANCIAL GROUP	1,500.000	08/21/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	247,281.43	271,878.62	(24,597.19)	0.00
936214	79466L302	SALESFORCE.COM INC	3,000.000	06/12/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	257,577.98	264,235.65	(6,657.67)	0.00
936214	79466L302	SALESFORCE.COM INC	3,000.000	10/02/17	J.P. MORGAN SECURITIES INC, NEI	150.00	282,197.47	264,235.65	17,961.82	0.00
936214	79466L302	SALESFORCE.COM INC	2,500.000	11/27/17	J.P. MORGAN SECURITIES INC, NEI	125.00	266,207.84	220,196.38	46,011.46	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	7,000.000	03/01/17	J.P. MORGAN CLEARING CORP, NE	350.00	297,829.49	291,006.27	6,823.22	4,360.00
936214	808513105	CHARLES SCHWAB CORP/THE	11,000.000	04/17/17	INSTINET CORP, NEW YORK	440.00	417,463.98	458,108.55	(40,644.57)	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	10,000.000	04/19/17	BLOOMBERG TRADEBOOK,NEW Y	300.00	383,939.62	416,462.31	(32,522.69)	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	2,500.000	04/21/17	J.P. MORGAN CLEARING CORP, NE	125.00	95,949.90	104,115.58	(8,165.68)	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	2,000.000	04/25/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	79,357.47	83,292.46	(3,934.99)	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	1,900.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	95.00	73,602.87	79,127.84	(5,524.97)	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	4,000.000	07/24/17	BLOOMBERG TRADEBOOK,NEW Y	120.00	167,377.33	166,584.93	792.40	0.00
936214	808513105	CHARLES SCHWAB CORP/THE	12,600.000	07/28/17	MORGAN STANLEY & CO INC, NY	756.00	533,766.49	524,742.51	9,023.98	0.00
936214	824348106	SHERWIN-WILLIAMS CO/THE	500.000	07/27/17	J.P. MORGAN CLEARING CORP, NE	25.00	172,884.60	176,742.58	(3,857.98)	0.00
936214	824348106	SHERWIN-WILLIAMS CO/THE	200.000	08/15/17	J.P. MORGAN CLEARING CORP, NE	10.00	66,748.91	70,697.03	(3,948.12)	0.00
936214	824348106	SHERWIN-WILLIAMS CO/THE	600.000	08/21/17	BLOOMBERG TRADEBOOK,NEW Y	18.00	196,916.71	212,091.10	(15,174.39)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,500.000	03/01/17	J.P. MORGAN CLEARING CORP, NE	75.00	241,884.12	225,300.00	16,584.12	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	2,500.000	03/23/17	MORGAN STANLEY & CO INC, NY	150.00	362,056.85	375,500.00	(13,443.15)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,500.000	04/04/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	220,266.15	225,300.00	(5,033.85)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,000.000	04/05/17	BLOOMBERG TRADEBOOK,NEW Y	30.00	145,983.92	150,200.00	(4,236.08)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,500.000	04/06/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	213,924.59	225,300.00	(11,375.41)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,000.000	04/07/17	INSTINET CORP, NEW YORK	40.00	140,904.82	150,200.00	(9,295.18)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,000.000	04/11/17	J.P. MORGAN CLEARING CORP, NE	50.00	140,225.44	150,200.00	(9,974.56)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	1,500.000	04/13/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	206,157.30	225,300.00	(19,142.70)	0.00
936214	82669G104	SIGNATURE BANK/NEW YORK NY	3,000.000	04/19/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	417,151.70	450,600.00	(33,448.30)	0.00
936214	831865209	AO SMITH CORP	4,500.000	03/10/17	INSTINET CORP, NEW YORK	180.00	224,957.29	215,558.04	9,399.25	0.00
936214	831865209	AO SMITH CORP	5,000.000	04/05/17	BLOOMBERG TRADEBOOK,NEW Y	150.00	251,613.51	242,449.14	9,164.37	0.00
936214	831865209	AO SMITH CORP	4,500.000	04/07/17	INSTINET CORP, NEW YORK	180.00	223,168.13	218,204.23	4,963.90	0.00
936214	831865209	AO SMITH CORP	10,000.000	07/24/17	BLOOMBERG TRADEBOOK,NEW Y	300.00	550,478.27	495,787.84	54,690.43	0.00
936214	831865209	AO SMITH CORP	4,000.000	07/27/17	MORGAN STANLEY & CO INC, NY	240.00	214,521.43	198,315.14	16,206.29	0.00
936214	831865209	AO SMITH CORP	5,000.000	07/28/17	BLOOMBERG TRADEBOOK,NEW Y	150.00	267,221.32	247,893.92	19,327.40	0.00
936214	831865209	AO SMITH CORP	3,000.000	08/03/17	MORGAN STANLEY & CO INC, NY	180.00	161,855.55	148,736.35	13,119.20	0.00
936214	831865209	AO SMITH CORP	3,500.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	105.00	208,351.93	182,336.57	26,015.36	0.00
936214	831865209	AO SMITH CORP	3,000.000	11/14/17	BLOOMBERG TRADEBOOK LLC, NE	90.00	177,096.40	156,288.48	20,807.92	0.00
936214	831865209	AO SMITH CORP	2,500.000	12/13/17	MORGAN STANLEY & CO INC, NY	150.00	152,833.96	130,240.40	22,593.56	0.00
936214	831865209	AO SMITH CORP	6,000.000	12/14/17	BLOOMBERG TRADEBOOK LLC, NE	180.00	363,288.00	312,576.97	50,711.03	0.00
936214	831865209	AO SMITH CORP	3,600.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	108.00	219,760.16	187,546.18	32,213.98	0.00
936214	833034101	SNAP-ON INC	800.000	04/17/17	INSTINET CORP, NEW YORK	32.00	129,648.13	136,308.18	(6,660.05)	5,254.00
936214	833034101	SNAP-ON INC	1,500.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	75.00	239,808.17	257,985.72	(18,177.55)	0.00
936214	833034101	SNAP-ON INC	1,000.000	06/08/17	INSTINET CORP, NEW YORK	40.00	156,131.39	171,980.48	(15,859.09)	0.00

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936214	833034101	SNAP-ON INC	2,500.000	06/09/17	MORGAN STANLEY & CO INC, NY	150.00	388,502.27	429,976.20	(41,473.93)	0.00
936214	857477103	STATE STREET CORP	2,500.000	01/27/17	INSTINET CORP, NEW YORK	100.00	189,846.60	204,685.42	(14,838.82)	0.00
936214	857477103	STATE STREET CORP	5,000.000	02/01/17	J.P. MORGAN CLEARING CORP, NE	250.00	382,324.15	409,370.83	(27,046.68)	0.00
936214	861012102	STMICROELECTRONICS NV	7,500.000	12/11/17	BLOOMBERG TRADEBOOK LLC, NE	225.00	161,807.25	159,530.69	2,276.56	0.00
936214	863667101	STRYKER CORP	2,000.000	07/11/17	INSTINET CORP, NEW YORK	80.00	280,928.90	259,118.71	21,808.19	0.00
936214	863667101	STRYKER CORP	2,500.000	10/02/17	INSTINET CORP, NEW YORK	100.00	356,686.25	323,898.39	32,787.86	0.00
936214	87161C501	SYNOVUS FINANCIAL CORP	4,000.000	07/11/17	INSTINET CORP, NEW YORK	160.00	178,768.26	175,291.60	3,476.66	0.00
936214	872590104	T-MOBILE US INC	4,000.000	07/12/17	BLOOMBERG TRADEBOOK,NEW Y	120.00	178,745.26	175,291.60	3,454.66	0.00
936214	872590104	T-MOBILE US INC	6,000.000	03/01/17	J.P. MORGAN CLEARING CORP, NE	300.00	375,035.61	345,060.00	29,975.61	0.00
936214	872590104	T-MOBILE US INC	3,500.000	04/06/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	219,388.86	201,285.00	18,103.86	0.00
936214	872590104	T-MOBILE US INC	4,000.000	06/08/17	INSTINET CORP, NEW YORK	160.00	261,578.69	234,848.47	26,730.22	0.00
936214	872590104	T-MOBILE US INC	7,000.000	06/15/17	MORGAN STANLEY & CO INC, NY	420.00	438,975.12	410,984.82	27,990.30	0.00
936214	872590104	T-MOBILE US INC	3,500.000	06/19/17	INSTINET CORP, NEW YORK	140.00	222,987.13	205,492.41	17,494.72	0.00
936214	872590104	T-MOBILE US INC	8,000.000	06/20/17	BLOOMBERG TRADEBOOK,NEW Y	240.00	503,413.82	469,696.93	33,716.89	0.00
936214	872590104	T-MOBILE US INC	3,200.000	06/27/17	MORGAN STANLEY & CO INC, NY	192.00	197,555.68	187,878.97	9,676.91	0.00
936214	872590104	T-MOBILE US INC	1,500.000	06/29/17	J.P. MORGAN CLEARING CORP, NE	75.00	91,074.29	88,068.18	3,006.11	0.00
936214	872590104	T-MOBILE US INC	2,500.000	07/17/17	BLOOMBERG TRADEBOOK,NEW Y	75.00	153,802.19	146,780.29	7,021.90	0.00
936214	872590104	T-MOBILE US INC	5,000.000	09/19/17	INSTINET CORP, NEW YORK	200.00	323,289.02	307,802.29	15,486.73	0.00
936214	872590104	T-MOBILE US INC	5,000.000	10/02/17	INSTINET CORP, NEW YORK	200.00	305,963.42	307,802.29	(1,838.87)	0.00
936214	872590104	T-MOBILE US INC	1,500.000	10/04/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	92,734.00	92,340.69	393.31	0.00
936214	872590104	T-MOBILE US INC	3,500.000	10/05/17	J.P. MORGAN SECURITIES INC, NE	175.00	214,709.53	215,461.61	(752.08)	0.00
936214	872590104	T-MOBILE US INC	4,000.000	10/11/17	BLOOMBERG TRADEBOOK LLC, NE	120.00	243,971.56	246,241.83	(2,270.27)	0.00
936214	87357P100	TACTILE SYSTEMS TECHNOLOGY INC	2,500.000	10/30/17	J.P. MORGAN SECURITIES INC, NE	125.00	72,934.06	84,007.10	(11,073.04)	0.00
936214	87357P100	TACTILE SYSTEMS TECHNOLOGY INC	6,000.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	180.00	162,505.64	201,617.04	(39,111.40)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	6,500.000	11/07/17	J.P. MORGAN SECURITIES INC, NE	325.00	169,864.46	218,418.46	(48,554.00)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	2,500.000	01/25/17	J.P. MORGAN CLEARING CORP, NE	125.00	353,914.03	352,750.00	1,164.03	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	11/15/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	282,160.73	291,421.98	(9,261.25)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	11/30/17	INSTINET CLEARING SER INC, NEV	40.00	192,843.04	194,281.32	(1,438.28)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	12/04/17	BLOOMBERG TRADEBOOK LLC, NE	40.00	192,900.94	194,281.32	(1,380.38)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	12/05/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	182,978.77	194,281.32	(11,302.55)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,500.000	12/06/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	274,154.96	291,421.99	(17,267.03)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	12/12/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	189,082.63	194,281.32	(5,218.69)	0.00
936214	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	12/18/17	BLOOMBERG TRADEBOOK LLC, NE	30.00	193,424.13	194,281.32	(857.19)	0.00
936214	90384S303	ULTA BEAUTY INC	2,000.000	04/03/17	J.P. MORGAN CLEARING CORP, NE	100.00	567,236.43	510,849.12	56,387.31	0.00
936214	90384S303	ULTA BEAUTY INC	1,000.000	04/25/17	INSTINET CORP, NEW YORK	40.00	278,208.03	258,348.35	19,859.68	0.00
936214	90384S303	ULTA BEAUTY INC	1,000.000	06/19/17	INSTINET CORP, NEW YORK	40.00	293,192.00	263,601.08	29,590.92	0.00
936214	90384S303	ULTA BEAUTY INC	1,000.000	06/23/17	J.P. MORGAN CLEARING CORP, NE	50.00	284,518.29	263,601.08	20,917.21	0.00
936214	90384S303	ULTA BEAUTY INC	1,200.000	06/27/17	MORGAN STANLEY & CO INC, NY	72.00	342,839.36	316,321.30	26,518.06	0.00
936214	90384S303	ULTA BEAUTY INC	1,800.000	07/11/17	MORGAN STANLEY & CO INC, NY	108.00	458,189.31	474,481.95	(16,292.64)	0.00
936214	90384S303	ULTA BEAUTY INC	1,000.000	07/17/17	MORGAN STANLEY & CO INC, NY	60.00	255,514.59	263,601.08	(8,086.49)	0.00
936214	90384S303	ULTA BEAUTY INC	2,000.000	07/19/17	MORGAN STANLEY & CO INC, NY	120.00	511,880.97	527,202.17	(15,321.20)	0.00
936214	90384S303	ULTA BEAUTY INC	2,000.000	07/24/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	508,284.05	527,202.17	(18,918.12)	0.00

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Schedule 4C: EQUITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
936214	911363109	UNITED RENTALS INC	1,500.000	04/21/17	J.P. MORGAN CLEARING CORP, NE	75.00	164,553.61	186,839.53	(22,285.92)	0.00
936214	911363109	UNITED RENTALS INC	1,500.000	04/25/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	169,452.50	186,839.53	(17,387.03)	0.00
936214	911363109	UNITED RENTALS INC	4,000.000	04/26/17	MORGAN STANLEY & CO INC, NY	240.00	454,571.68	498,238.74	(43,667.06)	0.00
936214	912008109	US FOODS HOLDING CORP	8,500.000	06/21/17	MORGAN STANLEY & CO INC, NY	510.00	234,994.36	257,216.35	(22,221.99)	0.00
936214	912008109	US FOODS HOLDING CORP	8,500.000	06/23/17	J.P. MORGAN CLEARING CORP, NE	425.00	223,902.95	257,216.35	(33,313.40)	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	2,500.000	10/17/17	INSTINET CLEARING SER INC, NEV	100.00	508,482.50	472,902.76	35,579.74	0.00
936214	91324P102	UNITEDHEALTH GROUP INC	2,000.000	11/16/17	J.P. MORGAN SECURITIES INC, NEI	100.00	421,284.66	391,373.57	29,911.09	0.00
936214	92210H105	VANTIV INC	3,500.000	04/05/17	MORGAN STANLEY & CO INC, NY	210.00	219,707.35	212,690.25	7,017.10	0.00
936214	92210H105	VANTIV INC	9,000.000	05/15/17	J.P. MORGAN CLEARING CORP, NE	450.00	565,515.26	550,884.87	14,630.39	0.00
936214	92210H105	VANTIV INC	8,000.000	05/17/17	BLOOMBERG TRADEBOOK,NEW Y	240.00	489,007.73	489,675.44	(667.71)	0.00
936214	92210H105	VANTIV INC	3,600.000	05/30/17	J.P. MORGAN CLEARING CORP, NE	180.00	222,938.81	220,353.95	2,584.86	0.00
936214	92210H105	VANTIV INC	4,500.000	06/07/17	BLOOMBERG TRADEBOOK,NEW Y	135.00	281,596.65	275,442.44	6,154.21	0.00
936214	92210H105	VANTIV INC	5,000.000	06/12/17	MORGAN STANLEY & CO INC, NY	300.00	314,366.64	306,047.15	8,319.49	0.00
936214	92210H105	VANTIV INC	4,400.000	06/15/17	MORGAN STANLEY & CO INC, NY	264.00	273,753.22	269,321.50	4,431.72	0.00
936214	922475108	VEEVA SYSTEMS INC	6,000.000	06/12/17	MORGAN STANLEY & CO INC, NY	360.00	355,558.84	329,316.11	26,242.73	0.00
936214	922475108	VEEVA SYSTEMS INC	3,500.000	08/03/17	J.P. MORGAN CLEARING CORP, NE	175.00	218,843.64	192,101.06	26,742.58	0.00
936214	922475108	VEEVA SYSTEMS INC	6,500.000	08/29/17	MORGAN STANLEY & CO INC, NY	390.00	366,313.32	356,759.11	9,554.21	0.00
936214	922475108	VEEVA SYSTEMS INC	5,000.000	09/18/17	BLOOMBERG TRADEBOOK,NEW Y	150.00	281,801.48	274,430.09	7,371.39	0.00
936214	922475108	VEEVA SYSTEMS INC	6,000.000	09/19/17	BLOOMBERG TRADEBOOK,NEW Y	180.00	336,335.42	329,316.10	7,019.32	0.00
936214	922475108	VEEVA SYSTEMS INC	2,500.000	09/22/17	MORGAN STANLEY & CO INC, NY	150.00	138,836.03	137,215.04	1,620.99	0.00
936214	922475108	VEEVA SYSTEMS INC	3,500.000	10/02/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	198,368.06	192,101.06	6,267.00	0.00
936214	922475108	VEEVA SYSTEMS INC	3,500.000	11/30/17	INSTINET CLEARING SER INC, NEV	140.00	204,342.42	192,101.07	12,241.35	0.00
936214	922475108	VEEVA SYSTEMS INC	1,500.000	12/04/17	INSTINET CLEARING SER INC, NEV	140.00	202,332.42	192,101.06	10,231.36	0.00
936214	92532F100	VERTEX PHARMACEUTICALS INC	1,500.000	11/29/17	BLOOMBERG TRADEBOOK LLC, NE	45.00	219,603.32	238,499.25	(18,895.93)	0.00
936214	92532F100	VERTEX PHARMACEUTICALS INC	2,500.000	12/04/17	BLOOMBERG TRADEBOOK LLC, NE	75.00	353,125.59	397,498.75	(44,373.16)	0.00
936214	92532W103	VERSUM MATERIALS INC	2,000.000	11/27/17	MORGAN STANLEY & CO INC, NY	120.00	79,293.16	78,727.58	565.58	1,000.00
936214	92532W103	VERSUM MATERIALS INC	6,000.000	11/29/17	INSTINET CLEARING SER INC, NEV	240.00	230,607.66	236,182.72	(5,575.06)	0.00
936214	92532W103	VERSUM MATERIALS INC	6,000.000	11/30/17	J.P. MORGAN SECURITIES INC, NEI	300.00	231,001.85	236,182.73	(5,180.88)	0.00
936214	92532W103	VERSUM MATERIALS INC	6,000.000	12/04/17	BLOOMBERG TRADEBOOK LLC, NE	180.00	218,308.55	236,182.72	(17,874.17)	0.00
936214	92826C839	VISA INC	3,500.000	06/12/17	BLOOMBERG TRADEBOOK,NEW Y	105.00	327,710.10	300,206.51	27,503.59	0.00
936214	92826C839	VISA INC	3,000.000	06/15/17	J.P. MORGAN CLEARING CORP, NE	150.00	281,968.34	257,319.87	24,648.47	0.00
936214	92826C839	VISA INC	1,500.000	08/21/17	INSTINET CORP, NEW YORK	60.00	154,285.68	128,659.93	25,625.75	0.00
936214	92826C839	VISA INC	2,000.000	08/21/17	INSTINET CORP, NEW YORK	80.00	86,927.59	87,450.32	(522.73)	1,800.00
936214	989701107	ZIONS BANCORPORATION	3,000.000	09/19/17	BLOOMBERG TRADEBOOK,NEW Y	90.00	132,479.63	131,175.48	1,304.15	0.00
936214	989701107	ZIONS BANCORPORATION	1,500.000	10/27/17	INSTINET CLEARING SER INC, NEV	60.00	70,163.87	67,349.41	2,814.46	0.00
936214	989701107	ZIONS BANCORPORATION	2,500.000	10/30/17	J.P. MORGAN SECURITIES INC, NEI	125.00	117,585.53	112,249.02	5,336.51	0.00
936214	989701107	ZIONS BANCORPORATION	11,000.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	330.00	509,225.52	493,895.67	15,329.85	0.00
936214	989701107	ZIONS BANCORPORATION	3,000.000	07/27/17	J.P. MORGAN CLEARING CORP, NE	150.00	185,075.92	174,234.59	10,841.33	0.00
936214	98978V103	ZOETIS INC	2,500.000	08/03/17	MORGAN STANLEY & CO INC, NY	150.00	155,596.65	145,195.49	10,401.16	0.00
936214	98978V103	ZOETIS INC	5,000.000	08/09/17	MORGAN STANLEY & CO INC, NY	300.00	302,346.00	290,390.98	11,955.02	0.00
936214	98978V103	ZOETIS INC	5,000.000	10/12/17	BLOOMBERG TRADEBOOK LLC, NE	150.00	323,542.52	298,159.57	25,382.95	0.00
936214	98978V103	ZOETIS INC	7,500.000	10/13/17	BLOOMBERG TRADEBOOK LLC, NE	225.00	488,793.95	447,239.35	41,544.60	0.00
936214	98978V103	ZOETIS INC	1,500.000	10/27/17	J.P. MORGAN SECURITIES INC, NEI	75.00	95,648.28	89,447.87	6,200.41	0.00

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Schedule 4C: EQUITIES SOLD DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>SHARES</u>	<u>TRADE DATE</u>	<u>NAME OF BROKER</u>	<u>COMM</u>	<u>PROCEEDS FROM SALE</u>	<u>BOOK VALUE</u>	<u>PROFIT/LOSS ON SALE</u>	<u>DIVIDENDS RECEIVED DURING YEAR</u>
936214	98978V103	ZOETIS INC	2,500.000	11/01/17	BLOOMBERG TRADEBOOK LLC, NE	75.00	162,016.00	149,079.78	12,936.22	0.00
936214	G06242104	ATLASSIAN CORP PLC	3,000.000	12/11/17	J.P. MORGAN SECURITIES INC, NEI	150.00	140,848.54	156,124.44	(15,275.90)	0.00
936214	G98294104	XL GROUP LTD	7,800.000	09/08/17	J.P. MORGAN CLEARING CORP, NE	390.00	289,104.99	346,619.04	(57,514.05)	3,080.00
936214	G98294104	XL GROUP LTD	5,000.000	09/18/17	BLOOMBERG TRADEBOOK,NEW Y	150.00	196,284.46	222,191.69	(25,907.23)	0.00
936214	G98294104	XL GROUP LTD	2,000.000	09/19/17	BLOOMBERG TRADEBOOK,NEW Y	60.00	79,119.77	88,876.68	(9,756.91)	0.00
936214	G98294104	XL GROUP LTD	7,000.000	09/22/17	MORGAN STANLEY & CO INC, NY	420.00	273,209.97	311,068.36	(37,858.39)	0.00
936214	Y09827109	BROADCOM LTD	1,500.000	04/04/17	BLOOMBERG TRADEBOOK,NEW Y	45.00	327,436.11	284,458.81	42,977.30	0.00
936214	Y09827109	BROADCOM LTD	2,500.000	06/12/17	BLOOMBERG TRADEBOOK,NEW Y	75.00	594,130.04	492,938.33	101,191.71	0.00
936214	Y09827109	BROADCOM LTD	1,500.000	06/15/17	MORGAN STANLEY & CO INC, NY	90.00	355,773.04	295,763.00	60,010.04	0.00
936214	Y09827109	BROADCOM LTD	1,000.000	08/03/17	J.P. MORGAN CLEARING CORP, NE	50.00	249,300.83	202,015.35	47,285.48	0.00
936214	Y09827109	BROADCOM LTD	1,000.000	09/19/17	INSTINET CORP, NEW YORK	40.00	249,687.13	202,015.36	47,671.77	0.00
936214	Y09827109	BROADCOM LTD	2,000.000	09/22/17	J.P. MORGAN SECURITIES INC, NEI	100.00	477,037.37	404,030.71	73,006.66	0.00
936214	Y09827109	BROADCOM LTD	800.000	10/02/17	INSTINET CORP, NEW YORK	32.00	192,931.38	161,612.28	31,319.10	0.00
SCHEDULE TOTALS							72,333.00	133,848,102.42	9,144,786.76	249,557.85
							TOTAL PROFIT		11,261,649.92	
							TOTAL LOSS		2,116,863.16	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule No: 5 Schedule of Pooled Funds

PERAC Ledger Number	Description	(A) Mkt Value at end of Prev Yr	(B) Total Purch This Year at Cost	(C) Reinv Investment Income	(D) Rea- lized Gain	(E) Rea- lized Loss	(F) Unrea- lized Gain	(G) Unrea- lized Loss	(H) Total Sales Redemp Amt Rec'd	(I) Cash Div Distri- butions	(J) Fees Paid	(K) Mkt Value at end of Year
1193-0002	Prt Priv Eq Vintage Yr 2009	65,795.06	1,566.12	1,588.75	12,899.08	0.00	3,615.12	9,800.81	14,633.61	0.00	928.41	60,101.30
1193-0001	Prt Priv Eq Vintage Yr 2008	648,523.31	0.00	12,290.86	171,540.96	0.00	104,092.14	101,726.73	264,850.21	0.00	4,372.12	565,498.21
TOTAL		714,318.37	1,566.12	13,879.61	184,440.04	0.00	107,707.26	111,527.54	279,483.82	0.00	5,300.53	625,599.51

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Schedule 6: Summary of Investments Owned

Category of	Investment	Market Value	Interest Due/Accr	Paid Accr Interest Curr Yr	Comm Paid Curr Yr	Unrealized Gain	Unrealized Loss	Realized Gain	Realized Loss	Investment Income Recd During Year
	Cash	296,012.33	2,287.58							30,474.42
	1100 Short term Securities	6,494,261.95	0.00	0.00		0.00		25,359.43	0.00	3,013.91
	1180 Fixed Income Securities	39,184,441.88	299,350.33	236,949.40		434,714.08	149,692.81	536,434.06	103,491.95	1,474,898.36
	1170 Equities	79,185,454.00			145,566.00	10,301,998.58	184,563.96	11,261,649.92	2,116,863.16	688,696.33
	Prit Pooled Funds	625,599.51				107,707.26	111,527.54	184,440.04	0.00	13,879.61
	TOTAL	125,785,769.67	301,637.91	236,949.40	145,566.00	10,844,419.92	445,784.31	12,007,883.45	2,220,355.11	2,210,962.63

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2017

Schedule 7: Summary of Investment Related Fees

Manager/Vendor	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Accrued Payable at Year End 2017	Total Paid or Accrued in 2017	Market Value at Year End 2017	*Payment Method (N,C,W)
5304 Management Fees								
1. The de Burlo Group, Inc. (5304-001)	52,828.00	81,458.00	82,147.00	86,110.00	29,332.00	331,875.00	125,048,849.09	C
2. PRIM (5304-0002)	1,270.54	1,439.65	1,264.63	1,325.71		5,300.53	625,599.51	N
5304 Management Fees TOTAL	54,098.54	82,897.65	83,411.63	87,435.71	29,332.00	337,175.53		
5305 Custodial Fees								
3. State Street	5,990.97	10,493.81	11,174.20	11,088.72	7,783.49	46,531.19		C
5305 Custodial Fees TOTAL	5,990.97	10,493.81	11,174.20	11,088.72	7,783.49	46,531.19		
5307 Investment Consultant Fees								
4. -----	0.00	0.00	0.00	0.00	0.00	0.00		
5307 Investment Consultant Fees TOTAL	0.00	0.00	0.00	0.00	0.00	0.00		
						383,706.72		

Note: 5304 Management Fees from Disbursements Page 5.4.(c), 5305 Custodial Fees from Disbursements Page 5.4.(d), 5307 Investment Consultant Fees from Disbursements Page 5.4.(e)

*N=Net / C=Check / W=Wire

Supplementary Schedule for 2017

EE Nbr Name	SSN Last 4	Previous Balance	Curr Year Deductions	Current Year Interest	Makeups Xfers In	Refunds Xfers Out	Transfer To Ann Reserves	Transfer To Pension Fund	Transfer To Pen Res Fund	Current Year Balance
Totals for CTY - Northampton Member Count: 854		22,579,158.17	2,450,788.46	32,914.32	261,368.06	517,932.80	1,958,758.00	-0.18	18,932.56	22,828,605.83
Totals for LIB - Forbes Library Member Count: 35		1,051,773.27	87,443.79	925.31	0.00	0.00	117,588.30	0.00	0.00	1,022,554.07
Totals for LIL - Lilly Library Member Count: 4		49,060.27	10,420.94	49.06	0.00	0.00	0.00	0.00	0.00	59,530.27
Totals for NHA - Northampton Housing Auth Member Count: 47		939,317.40	134,758.49	800.64	55.21	180,392.63	151,120.35	0.00	0.00	743,418.76
Grand Totals Member Count: 940		24,619,309.11	2,683,411.68	34,689.33	261,423.27	698,325.43	2,227,466.65	-0.18	18,932.56	24,654,108.93

Asset Allocation

Changes in the portfolio's asset allocation this quarter are reflected in the table below.

	Allocation on 9/30/17		Allocation at 12/31/17	
	\$	%	\$	%
Cash	1,650,208	1.36%	632,732	0.50%
Equity				
Domestic Stock	64,823,102	53.41%	73,199,294	58.26%
International Stock	3,537,870	2.91%	5,986,160	4.76%
Real Estate	2,733,600	2.25%	0	0.00%
Total Equity	71,094,572	58.57%	79,185,454	63.02%
Fixed Income				
Domestic Bonds	44,969,386	37.04%	42,098,494	33.51%
International Bonds	2,786,694	2.30%	2,879,602	2.29%
Below Invest. Grade	247,792	0.20%	241,577	0.19%
Total Fixed	48,003,872	39.54%	45,219,673	35.99%
PRIT Investments *				
Alternative (P.E. V.C.)	643,905	0.53%	612,315	0.49%
Total PRIT Investments	643,905	0.53%	612,315	0.49%
Total	121,392,557	100.00%	125,650,174	100.00%
PRIT amounts based on revised 9/30/17 and 12/31/17 values				

APPRAISAL SUMMARY REPORT

Northampton Retirement System

December 31, 2017

SECURITY CLASS	BOOK VALUE	MARKET VALUE	% ASSETS	UNREALIZED GAIN/LOSS	ESTIMATED INCOME
Cash Balance	632,732	632,732	0.50%	0	0
Other	199,558	612,315	0.49%	412,757	0
Bond	45,219,674	45,219,674	35.99%	0	1,318,768
Stock	79,185,454	79,185,454	63.02%	0	684,860
Total Portfolio	125,237,418	125,650,175	100.00%	412,757	2,003,628

We urge you to compare account statements you receive from us with account statements you receive from your custodian.
Please contact us if you have any questions about the account statements that you receive.

INVESTMENT MANAGER

The de Burlo Group, Inc. • 50 Federal St. 8th Fl. Boston, Massachusetts • 617 462 0275

APPENDIX PAGE 1

PLAN DESCRIPTION

The plan is a contributory defined benefit plan covering all Northampton Retirement System member unit employees deemed eligible by the retirement board, with the exception of school department employees who serve in a teaching capacity. The pensions of such school employees are administered by the Teachers' Retirement Board.

Instituted in 1937, the System is a member of the Massachusetts Contributory Retirement System and is governed by Chapter 32 of the Massachusetts General Laws. Membership in the plan is mandatory immediately upon the commencement of employment for all individuals who are regularly employed at least 20 hours per week in a permanent position and who earn at least \$5,000 per year.

The system provides for retirement allowance benefits up to a maximum of 80% of a member's highest three-year average annual rate of regular compensation. For members entering the System after April 2, 2012, the System provides for retirement allowance benefits up to a maximum of 80% of a member's highest five-year average annual rate of regular compensation. Benefit payments are based upon a member's age, length of creditable service, level of compensation, and group classification.

Members become vested after ten years of creditable service. For members establishing membership prior to April 2, 2012, a superannuation retirement allowance may be received upon the completion of twenty years of service or upon reaching the age of 55 with ten years of service. Group 1 members establishing membership on or after April 2, 2012, a superannuation retirement allowance may be paid at age 60 upon completion of ten years of creditable service.

A retirement allowance consists of two parts: an annuity and a pension. A member's accumulated total deductions and a portion of the interest they generate constitute the annuity. The differential between the total retirement benefits and the annuity is the pension. The average retirement benefit is approximately 80-85% pension and 15-20% annuity.

Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Members joining the retirement system after January 1, 1979 must contribute an additional 2% on regular compensation earned at a rate in excess of \$30,000. The percentage rate is keyed to the date upon which an employee's membership commences. These deductions are deposited in the Annuity Savings Fund and earn interest at a rate determined by the Executive Director of PERAC according to statute. When a member's retirement becomes effective, his/her deductions and related interest are transferred to the Annuity Reserve Fund. Cost-of-living adjustments and any other increase in benefits imposed by state laws granted between 1981 and 1996 are borne by the state.

The pension portion of any retirement benefits is paid from the Pension Fund of the System. The governmental unit employing the member must annually appropriate and contribute the amount of current year pension payments as determined by PERAC's Actuary. Until recently, retirement systems were paying only the actual retirement benefits that were due each year. Systems had no statutory authorization to put aside any money for the future benefits of employees who are now working. Large unfunded liabilities resulted from operating upon this pay-as-you-go basis. In 1977, legislation authorized local governments to appropriate funds to meet future pension obligations.

In 1983, additional legislation was passed requiring the transfer of investment earnings (in excess of the amount credited to member accounts) into the Pension Reserve Fund. These initiatives have significantly reduced the rate of growth of the retirement systems' unfunded liabilities, and in some systems have actually reduced such liability.

Administrative expenses are funded through excess investment income.

Members who become permanently and totally disabled for further duty may be eligible to receive a disability retirement allowance. The amount of benefits to be received in such cases is dependent upon several factors including: whether or not the disability is work-related, the member's age, years of creditable service, level of compensation, veteran's status, and group classification.

Members who separate from service may request a refund of their accumulated total deductions. Members who voluntarily terminate from service with at least ten years of creditable service, or who are involuntarily terminated, receive 100% of the regular interest that has accrued to their Annuity Savings Account. Members who voluntarily terminate service with less than ten years of service receive interest on their Annuity Savings Account at the annual rate of 3%.

Survivor benefits are extended to eligible beneficiaries of members whose death occurs prior to or following retirement.

APPENDIX PAGE 2

SIGNIFICANT ACCOUNTING POLICIES

The accounting records of the System are maintained on a calendar year basis in accordance with the standards and procedures established by the Executive Director of Public Employee Retirement Administration Commission. All investments are stated at market values at the end of the year.

The Annuity Savings Fund is the fund in which members' contributions are deposited. Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Voluntary contributions, redeposits, and transfers to and from other systems, are also accounted for in this fund. Members' contributions to the fund earn interest at a rate determined by PERAC. Interest for some members who withdraw with less than ten years of service is transferred to the Pension Reserve Fund. Upon retirement, a member's contributions and interest are transferred to the Annuity Reserve Fund. Dormant account balances must be transferred to the Pension Reserve Fund after a period of ten years of inactivity.

The Annuity Reserve Fund is the fund to which a member's account is transferred upon retirement from the Annuity Savings Fund and Special Military Service Credit Fund. The annuity portion of the retirement allowance is paid from this fund. Interest is credited monthly to this fund at the rate of 3% annually on the previous month's balance.

The Special Military Service Credit Fund contains contributions and interest for members while on a military leave for service in the Armed Forces who will receive creditable service for the period of that leave.

The Expense Fund contains amounts transferred from investment income or appropriated by the governmental units for the purposes of administering the retirement system.

The Pension Fund contains the amounts appropriated by the governmental units as established by PERAC to pay the pension portion of each retirement allowance.

The Pension Reserve Fund contains amounts appropriated by the governmental units for the purposes of funding future retirement benefits. Any profit or loss realized on the sale or maturity of any investment or on the unrealized gain of a market valued investment as of the valuation date is credited to the Pension Reserve Fund. Additionally, any investment income in excess of the amount required to credit interest to the Annuity Savings Fund, Annuity Reserve Fund, and Special Military Service Credit Fund is credited to this Reserve account.

The Investment Income Account is credited with all income derived from invested funds. At the end of the year, the income credited to the Annuity Savings Fund, Annuity Reserve Fund, Expense Fund, and Special Military Service Credit Fund is distributed from this account and the remaining balance is transferred to the Pension Reserve Fund.