

Annual Statement

· OF THE FINANCIAL CONDITION
· OF THE NORTHAMPTON RETIREMENT BOARD
· TO THE PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION COMMISSION
· FOR THE YEAR ENDED 12/31/2016

Annual Statement for the Year Ended December 31, 2016 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

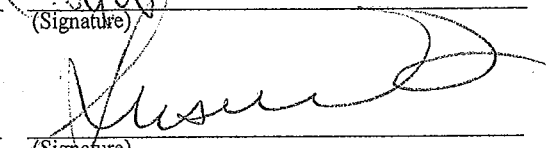
Ex-Officio Member

Joyce E. Karpinski, Chairperson
(Name)


(Signature)

Appointed Member

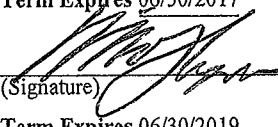
Susan L. Wright
(Name)


(Signature)

Elected Member

Term Expires 06/30/2017

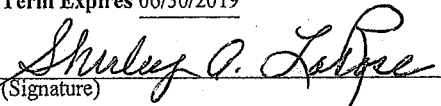
Michael J. Lyons
(Name)


(Signature)

Elected Member

Term Expires 06/30/2019

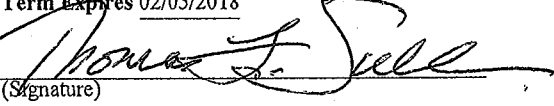
Shirley A. LaRose
(Name)


(Signature)

Member Appointed by Other Members

Term Expires 02/05/2018

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

State Street Bank and Trust

801 Pennsylvania Ave, Kansas City, MO 64105

ANNUAL STATEMENT BALANCE TESTS

1. ASSET BALANCE

Assets Previous Year	109,996,513.53
Income Current Year	7,915,076.49
Disbursements Current Year	11,414,256.67
Assets Current Year	106,497,333.35

2. ASSET DIFFERENCE

Assets Current Year	106,497,333.35
Assets Previous Year	109,996,513.53
Difference	-3,499,180.18

3. INCOME DIFFERENCE

Income Current Year	7,915,076.49
Disbursements Current Year	11,414,256.67
Difference	-3,499,180.18

4. FUND CHANGE DIFFERENCE

Total Fund Change Credits Current Year	12,327,718.06
Total Fund Change Debits Current Year	-15,826,898.24
Difference	-3,499,180.18

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, 2016.

ASSETS & LIABILITIES

	2016	2015	2014
1. 1040 Cash	915,852.45	1,593,680.66	3,691,411.63
2. 1100 Short Term Investments	0.00	0.00	0.00
3. 1180 Fixed Income Securities	38,212,450.20	41,225,186.54	28,795,518.25
4. 1170 Equities	66,392,311.00	65,492,462.00	77,356,713.00
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	714,318.37	758,848.80	827,511.22
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	875,836.27	892,434.91
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	297,149.74	216,471.77	184,662.45
20. 1350 Prepaid Expenses	0.00	0.00	0.00
21. 1398 Accounts Receivable (A)	5,625.73	46,471.72	495,431.00
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)	(-40,374.14)	(-212,444.23)	(-42,940.18)
TOTAL	106,497,333.35	109,996,513.53	112,200,742.28
FUNDS			
1. 3293 Annuity Savings Fund	24,624,814.59	24,679,394.29	24,357,748.28
2. 3294 Annuity Reserve Fund	10,331,004.70	9,671,855.19	8,772,206.08
3. 3295 Military Service Fund	2,561.14	3,397.33	3,664.94
4. 3296 Pension Fund	651,303.23	633,469.87	333,734.52
5. 3298 Expense Fund	0.00	0.00	0.00
6. 3297 Pension Reserve Fund	70,887,649.69	75,008,396.85	78,733,388.46
TOTAL ASSETS AT MARKET VALUE	106,497,333.35	109,996,513.53	112,200,742.28

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

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Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2016.

	Balance Dec. 31 Prior year	Receipts	Interfund Transfers	Disbursements	Balance Dec.31 Current Year
Annuity Savings Fund	24,679,394.29	2,764,888.75	-1,986,020.02	-833,448.43	24,624,814.59
Annuity Reserve Fund	9,671,855.19	303,765.17	1,966,720.57	-1,611,336.23	10,331,004.70
Pension Fund	633,469.87	5,919,656.61	2,445,921.00	-8,347,744.25	651,303.23
Military Service Fund	3,397.33	2.55	-838.74	0.00	2,561.14
Expense Fund	0.00	621,727.76	0.00	-621,727.76	0.00
Pension Reserve Fund	75,008,396.85	-1,694,964.35	-2,425,782.81	0.00	70,887,649.69
Total All Funds	109,996,513.53	7,915,076.49	- 0 -	-11,414,256.67	106,497,333.35

List below all transfers:

Xfer from	Annuity Savings Fund	to	Annuity Reserve Fund	in the amt of	1,966,720.57	on acct of	Retirements
	Control Acct						
Xfer from	Annuity Savings Fund	to	Pension Reserve Fund	in the amt of	20,138.19	on acct of	Ten-year Inactives
	Control Acct		Control Acct				
Xfer from	Pension Reserve Fund	to	Pension Fund Control	in the amt of	2,445,921.00	on acct of	PERAC approved amt to meet
	Control Acct		Account				est costs
Xfer from	Special Military Serv	to	Annuity Savings Fund	in the amt of	838.74	on acct of	Military fund tranfer for retiree
	Credit Fund		Control Acct				
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, 2016.

RECEIPTS

	2016	2015	2014
1. Annuity Savings Fund:			
(a) 4891 Members' Deductions	2,500,925.07	2,482,788.86	2,454,591.98
(b) 4892 Transfers from Other Systems	219,128.66	244,201.89	257,086.34
(c) 4893 Member Make Up Payments and Redeposits	8,011.92	20,181.86	18,384.19
(d) 4900 Member Payments from Rollovers	0.00	0.00	0.00
(e) Investment Income Credited to Members' Accounts	36,823.10	36,927.93	37,308.96
Subtotal	2,764,888.75	2,784,100.54	2,767,371.47
2. Annuity Reserve Fund:			
(a) 4750 Recovery of Annuity from Reinstatement	0.00	5,132.54	0.00
(b) Investment Income Credited to Annuity Reserve Fund	303,765.17	272,973.63	263,745.19
Subtotal	303,765.17	278,106.17	263,745.19
3. Pension Fund:			
(a) 4898 3(8)(c) Reimbursements from Other Systems	223,757.27	181,377.84	162,789.25
(b) 4899 Received from Commonwealth for COLA & Survivor Bft	66,413.34	78,502.07	102,888.69
(c) 4894 Pension Fund Appropriation	5,629,486.00	5,415,093.00	5,016,761.00
(d) 4840 Workers Compensation Settlement	0.00	0.00	14,250.00
(e) 4751 Recovery of Pension from Reinstatement	0.00	5,855.58	0.00
(f) 4841 Recovery of 91A Overearnings	0.00	0.00	0.00
Subtotal	5,919,656.61	5,680,828.49	5,296,688.94
4. Military Service Fund:			
(a) 4890 Contributions Received from Municipality	0.00	186.62	0.00
(b) Investment Income Credited	2.55	3.32	3.67
Subtotal	2.55	189.94	3.67
5. Expense Fund:			
(a) 4896 Expense Fund Appropriation	0.00	0.00	0.00
(b) Investment Income Credited to Expense Fund	621,727.76	625,389.17	614,695.02
Subtotal	621,727.76	625,389.17	614,695.02
6. Pension Reserve Fund:			
(a) 4897 Federal Grant Reimbursement	15,688.95	16,466.08	17,930.28
(b) 4895 Pension Reserve Appropriation	0.00	0.00	0.00
(c) 4822 Interest Not Refunded	2,240.27	4,939.49	7,985.98
(d) 4825 Miscellaneous Income	0.00	259.49	5.50
(e) Excess Investment Income	-1,712,893.57	-1,320,118.01	12,433,356.46
Subtotal	-1,694,964.35	-1,298,452.95	12,459,278.22
TOTAL RECEIPTS	7,915,076.49	8,070,161.36	21,401,782.51

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2016.

DISBURSEMENTS

	2016	2015	2014
1. Annuity Savings Fund:			
(a) 5757 Refunds to Members	340,868.88	242,976.83	206,750.11
(b) 5756 Transfers to Other Systems	492,579.55	175,190.28	256,263.04
Subtotal	833,448.43	418,167.11	463,013.15
2. Annuity Reserve Fund:			
(a) 5750 Annuities Paid	1,583,286.88	1,415,432.35	1,309,617.38
(b) 5759 Option B Refunds	28,049.35	3,325.34	132,707.67
Subtotal	1,611,336.23	1,418,757.69	1,442,325.05
3. Pension Fund:			
(a) 5751 Pensions Paid	8,070,491.30	7,556,009.16	7,154,997.11
Regular Pension Payments	6,398,650.83	5,928,076.36	5,625,908.13
Survivorship Payments	317,109.57	282,781.96	266,352.68
Ordinary Disability Payments	162,454.38	178,187.29	132,377.34
Accidental Disability Payments	992,000.06	958,967.11	941,016.51
Accidental Death Payments	179,193.00	177,438.00	150,078.09
Section 101 Benefits	21,083.46	30,558.44	39,264.36
(b) 5755 3(8)(c) Reimbursements To Other Systems	277,252.95	256,066.98	236,346.36
(c) 5752 COLAs Paid	0.00	0.00	0.00
(d) 5753 Chapter 389 Beneficiary Increase Paid	0.00	0.00	0.00
Subtotal	8,347,744.25	7,812,076.14	7,391,343.47
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	111,646.58	108,202.26	107,907.24
(c) 5304 Management Fees	322,835.44	343,959.56	332,127.92
(d) 5305 Custodial Fees	91,418.08	87,766.03	86,601.43
(e) 5307 Investment Consultant Fees	0.00	0.00	0.00
(f) 5308 Legal Expenses	2,279.50	1,696.89	3,128.54
(g) 5309 Medical Expenses	0.00	16.50	25.00
(h) 5310 Fiduciary Insurance	6,386.00	6,199.00	6,034.00
(i) 5311 Service Contracts	23,445.00	22,330.00	21,275.00
(j) 5312 Rent Expense	0.00	0.00	0.00
(k) 5315 Professional Services	0.00	0.00	0.00
(l) 5316 Actuarial Services	14,825.00	5,800.00	9,700.00
(k) 5317 Accounting Services	0.00	0.00	0.00
(n) 5320 Education And Training	1,699.76	2,064.26	1,507.26
(o) 5589 Administrative Expenses	27,073.80	25,600.16	25,670.37
(p) 5599 Furniture and Equipment	981.00	1,678.95	844.37
(q) 5719 Travel	1,137.60	2,075.56	1,873.89
(r) 5829 Depreciation Expense: Building	0.00	0.00	0.00
Subtotal	621,727.76	625,389.17	614,695.02
TOTAL DISBURSEMENTS	11,414,256.67	10,274,390.11	9,911,376.69

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2016.

INVESTMENT INCOME

Investment Income received from:	2016	2015	2014
(a) Cash (from Schedule 1)	18,158.63	2,085.17	58.32
(b) Short Term Investments (from Schedule 2)	0.00	0.00	0.00
(c) Fixed Income Securities (from Schedules 3A and 3C)	1,392,265.14	1,129,377.36	1,283,645.06
(d) Equities (from Schedules 4A and 4C)	801,238.26	679,930.98	900,928.63
(e) Pooled Funds (from Schedule 5)	34,675.52	46,219.51	48,872.52
(f) Commission Recapture	0.00	0.00	0.00
4821 TOTAL INVESTMENT INCOME	2,246,337.55	1,857,613.02	2,233,504.53
Plus:			
4884 Realized Gains (Profits)	4,116,293.59	1,716,820.96	4,969,291.96
4886 Unrealized Gains (Increase in Market Value)	3,558,649.41	5,603,215.20	10,899,519.03
1550 Interest Due & Accrued on Fixed Income Securities at End Of Current Year	297,149.74	216,471.77	184,662.45
Less:			
4823 Paid Accrued Interest on Fixed Income Securities	282,209.55	265,992.29	258,505.97
4885 Realized Losses	8,852,402.81	7,862,030.03	4,132,824.90
4887 Unrealized Losses (Decrease in Market Value)	1,617,921.15	1,466,260.14	346,882.96
1550 Interest Due and Accrued on Fixed Income Securities Prior Year	216,471.77	184,662.45	199,654.84
NET INVESTMENT INCOME	-750,574.99	-384,823.96	13,349,109.30
Income required:			
Annuity Savings Fund (from Supplementary Schedule)	36,823.10	36,927.93	37,308.96
Annuity Reserve Fund	303,765.17	272,973.63	263,745.19
Expense Fund	621,727.76	625,389.17	614,695.02
Military Service Fund	2.55	3.32	3.67
TOTAL INCOME REQUIRED	962,318.58	935,294.05	915,752.84
Net Investment Income	-750,574.99	-384,823.96	13,349,109.30
Less Income Required	962,318.58	935,294.05	915,752.84
EXCESS INCOME TO PENSION RESERVE FUND	-1,712,893.57	-1,320,118.01	12,433,356.46

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2016.

MEMBERSHIP FOR CURRENT YEAR

ACTIVE MEMBERS

	Group 1	Group 2 & 4	TOTAL
Active Membership, Dec. 31st, Previous Year	523	137	660
Inactive Membership, Dec. 31st, Previous Year	177	18	195
Enrolled During Current Year	88	9	97
Transfers Between Groups	0	0	0
Reinstatements of Disabled Members	0	0	0
SUBTOTAL	88	9	97
Deduct:			
Death	0	0	0
Withdrawals	60	3	63
Retirements	24	5	29
SUBTOTAL	84	8	92
Active Membership, Dec. 31st, Current Year	527	138	665
Inactive Membership, Dec. 31st, Current Year	177	18	195

RETIRED MEMBERS, BENEFICIARIES & SURVIVORS

Retired, Beneficiary and Survivor Membership, Dec. 31st, Previous Year	294	106	400
Retirements During the Year			
Superannuation	20	6	26
Ordinary Disability	0	0	0
Accidental Disability	1	0	1
Termination Retirement Allowance	0	0	0
Beneficiary of Deceased Retiree	2	1	3
Survivor Benefits from Active Membership	2	0	2
SUBTOTAL	25	7	32
Deduct:			
Deaths of Retired Members	14	4	18
Termination of Survivor Benefits	1	2	3
Reinstatements of Disabled Pensions	0	0	0
SUBTOTAL	15	6	21
Retired Membership, Dec. 31st, Current Year			
Superannuation	254	69	323
Ordinary Disability	2	7	9
Accidental Disability	11	20	31
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	5	19
Option (D) Survivor Allowance	17	1	18
Section 12B Survivor Allowance	1	0	1

Total Retired, Beneficiary and Survivor Membership, Dec. 31st, Current Year	304	107	411
TOTAL MEMBERSHIP			
Active, Inactive, Retired, Beneficiary and Survivor, Dec. 31st, Current Year	1,008	263	1,271

Annual Statement of the Northampton Retirement Board for the Year Ended December 31, 2016.

Schedule A: Detail of Accounts Receivable and Accounts Payable

	Amount	Original Date
Accounts Receivable		
4891 - Members Deductions	0.00	
4892 - Transfers From Other Systems	0.00	
4893 - Member Make Up Payments and Redeposits	5,505.48	12/31/2016
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 Bene	0.00	
4884 - Profit on Sale of Investments	0.00	
4894 - Pension Fund Appropriation - City	0.00	
4894 - Pension Fund Appropriation - SHA	0.00	
4890 - Contr Rec'd from municipality on a/c of mil serv	0.00	
4897 - Federal Grant Reimbursement	0.00	
4895 - Pension Reserve Appropriation	0.00	
5320 Education (Refund from Thomson West)	0.00	
5750 Annuities Paid	20.43	12/31/2016
5751 Pensions Paid	99.82	12/31/2016
Investments Sold but funds not received (list individually)	0.00	
	0.00	
TOTAL RECEIVABLES	5,625.73	
Accounts Payable		
5755 - 3(8)(c) Reimbursements To Other Systems	0.00	
5752 - COLA's Paid	0.00	
5753 - Chapter 389 Beneficiary Increase Paid	0.00	
4885 - Loss on Sale of Investments	0.00	
4890 - Return to Municipality for Members who withdrew funds	0.00	
5118 - Board Member Stipend	0.00	
5119 - Salaries	0.00	
5304 - Management Fees as offset to Expense Fund	25,862.00	12/31/2016
5305 - Custodial Fees as offset to Expense Fund	14,512.14	12/31/2016
5307 - Consultant Fees	0.00	
5308 - Legal Expenses	0.00	
5309 - Medical Expenses	0.00	
5589 - Administrative Expenses	0.00	
5599 - Furniture and Equipment	0.00	
5719 - Travel	0.00	
Investments Purchased but not paid for (list individually)	0.00	
TOTAL PAYABLES	40,374.14	

NORTHAMPTON RETIREMENT BOARD

Annuity Reserve Fund interest calculation
for the year ended December 31, 2016

	Debit Balance		Credit Balance		(Debits)		Balance	x .0025
	5750	5759	3294	Credits	Credits	Balance		
Dec 31st					0.00	9,671,855.19	24,179.64	
Jan 31st	130,108.18	6,069.52	256,106.14		119,928.44	9,791,783.63	24,479.46	
Feb 28th	127,037.23	6,348.37	651,747.18		518,361.58	10,310,145.21	25,775.36	
Mar 31st	131,442.43	0.00	55,134.01		-76,308.42	10,233,836.79	25,584.59	
Apr 30th	129,434.67	0.00	57,972.11		-71,462.56	10,162,374.23	25,405.94	
May 31st	130,548.46	0.00	113,833.77		-16,714.69	10,145,659.54	25,364.15	
Jun 30th	130,150.72	0.00	0.00		-130,150.72	10,015,508.82	25,038.77	
Jul 31st	134,146.32	0.00	420,901.79		286,755.47	10,302,264.29	25,755.66	
Aug 31st	133,849.00	0.00	117,974.31		-15,874.69	10,286,389.60	25,715.97	
Sep 30th	133,747.48	15,631.46	101,145.23		-48,233.71	10,238,155.89	25,595.39	
Oct 31st	134,203.92	0.00	82,961.09		-51,242.83	10,186,913.06	25,467.28	
Nov 30th	134,675.93	0.00	108,944.94		-25,730.99	10,161,182.07	25,402.96	
Dec 31st	133,962.97	0.00	0.00		-133,962.97	10,027,219.10		

1,583,307.31 28,049.35 1,966,720.57 303,765.17 Total

Interest Posted to Military Service Fund: 2.55

Interest Posted to Members Accounts: 36,823.10

ARF

Starting Balance: 9,671,855.19
Investment Income Credited: 303,765.17
Interfund Transfers: 1,966,720.57
Disbursements: 1,611,356.66
Post-Close Ending Balance: 10,330,984.27

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 1

CASH ACCOUNT ACTIVITY DURING YEAR

<u>FUND</u>	<u>CUSIP</u>	<u>SECURITY DESCRIPTION</u>	<u>BOOK VALUE AT END OF PREVIOUS YEAR</u>	<u>DEPOSITS/</u> <u>WITHDRAWALS</u> <u>THIS YEAR</u>	<u>BOOK VALUE AT END OF YEAR</u>	<u>INCOME RECEIVED THIS YEAR</u>	<u>INCOME DUE AND ACCRUED AT YEAR END</u>
FLORENCE BANK - PAYROLL DISBURSEMENT ACCT							
NHZ0	8611249M9	STATE STREET BANK STIF	112,855.23	46,647.63	159,502.86	443.47	
NHZ0	930AZCI1	STATE STREET BANK STIF	1,477,805.78	(1,477,805.78)	0.00	17,611.89	0.00
NHZ1	8611249M9	STATE STREET BANK STIF	0.00	753,318.07	753,318.07	91.40	336.74
			3,019.65	11.87	3,031.52	11.87	1.49
SCHEDULE TOTALS			1,593,680.66	(677,828.21)	915,852.45	18,158.63	338.23

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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>
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CONFIDENTIAL

SCHEDULE 2B
SHORT TERM SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY		TRADE DATE	NAME OF BROKER	COMM	ACCRUED INT PAID	COST INCLUDING COMMISSION BUT EXCLUDING INT
			RATE	DATE					
SCHEDULE TOTALS									
							0.00	0.00	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 2C

SHORT TERM 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 PROKER</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>
SCHEDULE TOTALS										0.00	0.00	0.00
TOTAL PROFIT										0.00		
TOTAL LOSS										0.00		

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	00206RCT7	AT+T INC	4.125	02/17/26	250,000.000	101.25700	253,142.50	(13,535.00)	5,385.41	3,838.54
NHZ0	00912XAS3	AIR LEASE CORP	3.375	06/01/21	250,000.000	101.38600	253,465.00	4,920.00	9,150.00	703.13
NHZ0	026874BS5	AMERICAN INTL GROUP	8.175	05/15/68	400,000.000	126.50000	506,000.00	(25,800.00)	14,306.25	4,178.34
NHZ0	03027XAM2	AMERICAN TOWER CORP	3.125	01/15/27	250,000.000	92.26600	230,665.00	(19,167.50)	0.00	1,974.82
NHZ0	03062AAF3	AMERICREDIT AUTOMOBILE RECEIV	2.580	09/08/20	250,000.000	101.20205	253,005.13	1,893.03	6,450.00	412.08
NHZ0	035242AP1	ANHEUSER BUSCH INBEV FIN	3.650	02/01/26	500,000.000	101.51900	507,595.00	(1,495.00)	9,429.16	7,604.17
NHZ0	037833CD0	APPLE INC	3.850	08/04/46	250,000.000	95.81400	239,535.00	(11,175.00)	2,753.82	3,930.21
NHZ0	05531FAV5	BB+T CORPORATION	2.050	05/10/21	250,000.000	98.14500	245,362.50	(4,377.50)	2,562.50	726.04
NHZ0	072024NT5	BAY AREA CA TOLL AUTH TOLL BRI	6.793	04/01/30	100,000.000	122.04400	122,044.00	(6,402.00)	0.00	1,698.25
NHZ0	120568AX8	BUNGE LTD FINANCE CORP	3.250	08/15/26	250,000.000	96.02800	240,070.00	(11,205.00)	0.00	3,069.44
NHZ0	13063A5E0	CALIFORNIA ST	7.500	04/01/34	730,000.000	141.35000	1,031,855.00	(45,920.02)	45,908.34	13,687.50
NHZ0	13063A5G5	CALIFORNIA ST	7.550	04/01/39	450,000.000	147.96500	665,842.50	(42,990.00)	32,611.80	8,493.75
NHZ0	14040HAY1	CAPITAL ONE FINANCIAL CO	4.750	07/15/21	250,000.000	108.15800	270,395.00	(395.00)	11,875.00	5,475.69
NHZ0	14040HBK0	CAPITAL ONE FINANCIAL CO	3.750	07/28/26	500,000.000	96.94000	484,700.00	(14,557.50)	0.00	7,968.74
NHZ0	14041NFB2	CAPITAL ONE MULTI ASSET EXECUT	2.050	08/15/23	350,000.000	99.98600	349,951.00	6,190.41	7,175.04	318.89
NHZ0	140420NB2	CAPITAL ONE BANK USA NA	3.375	02/15/23	300,000.000	99.06100	297,183.00	3,609.00	10,125.00	3,825.00
NHZ0	14916RAF1	CATHOLIC HEALTH INITIATI	4.200	08/01/23	500,000.000	103.24800	516,240.00	(29,785.00)	10,500.00	8,750.00
NHZ0	161571GQ1	CHASE ISSUANCE TRUST	1.450	11/15/19	500,000.000	100.08688	500,434.40	1,863.75	6,900.00	322.22
NHZ0	161571HG2	CHASE ISSUANCE TRUST	1.100	01/15/20	400,000.000	99.76209	399,048.36	(910.16)	1,417.78	195.56
NHZ0	17119UAJ4	CHRYSLER CAPITAL AUTO RECEIVA	2.070	01/15/21	300,000.000	100.09544	300,286.32	4,605.30	6,210.00	276.00
NHZ0	17119XAF6	CHRYSLER CAPITAL AUTO RECEIVA	2.280	11/15/19	250,000.000	100.79280	251,982.00	3,509.72	5,700.00	253.33
NHZ0	174610AN5	CITIZENS FINANCIAL GROUP	2.375	07/28/21	250,000.000	98.06400	245,160.00	(5,258.00)	0.00	2,523.43
NHZ0	19624LAA7	COLONY AMERICAN HOMES	2.136	05/17/31	278,489.610	99.91158	278,243.37	5,459.55	4,653.82	239.88
NHZ0	22822VAC5	CROWN CASTLE INTL CORP	3.700	06/15/26	500,000.000	98.15300	490,765.00	(9,800.00)	11,254.17	822.22
NHZ0	25272KAK9	DIAMOND 1 FIN/DIAMOND 2	6.020	06/15/26	250,000.000	108.33000	270,825.00	16,605.00	8,110.28	668.89
NHZ0	25466AAJ0	DISCOVER BANK	3.450	07/27/26	250,000.000	96.56100	241,402.50	(8,325.00)	0.00	3,689.58
NHZ0	3136ATX33	FANNIEMAE ACES	1.376	08/25/28	1,499,849.570	99.79384	1,496,757.48	(3,040.36)	3,054.69	401.32
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	173,748.180	100.68733	174,942.40	(711.54)	5,524.96	361.97
NHZ0	31428XBF2	FEDEX CORP	3.250	04/01/26	250,000.000	99.31400	248,285.00	(2,635.00)	4,220.49	2,031.25
NHZ0	31620MAT3	FIDELITY NATIONAL INFORM	3.000	08/15/26	250,000.000	93.89300	234,732.50	(13,707.50)	0.00	2,812.50
NHZ0	33829TAA4	FIVE CORNERS FUNDING TRS	4.419	11/15/23	500,000.000	105.72200	528,610.00	6,127.50	22,095.00	2,823.26
NHZ0	345397WN9	FORD MOTOR CREDIT CO LLC	1.500	01/17/17	500,000.000	100.00800	500,040.00	(445.00)	0.00	3,416.67
NHZ0	36179Q3X7	GNMA II POOL MA2614	2.500	02/20/45	414,655.570	101.55200	421,091.02	(547.35)	12,443.04	863.87
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	307,811.470	101.08600	311,154.30	(3,390.54)	7,005.31	641.27
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	04/20/45	477,185.490	101.58000	484,725.02	(763.49)	14,504.45	994.14
NHZ0	36179RJT7	GNMA II POOL MA2974	2.500	07/20/45	532,061.820	101.54700	540,292.82	250.08	15,629.55	1,108.46
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	191,183.470	101.72200	194,475.65	2,028.47	5,057.13	318.64
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	247,002.060	101.63100	251,030.66	2,136.56	6,334.19	411.67
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	225,690.620	101.07200	228,110.02	(1,248.07)	5,083.27	376.15

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	468,211,060	101.09100	473,319.24	(7,683.06)	11,193.09	975.44
NHZ0	36225E2M3	GNMA II POOL 082579	2.125	07/20/40	215,333,010	103.21900	222,264.58	(2,351.44)	5,976.85	381.32
NHZ0	36225EYB2	GNMA II POOL 082505	2.000	03/20/40	216,374,330	103.24000	223,384.86	(926.08)	5,128.79	360.62
NHZ0	36225FBE8	GNMA II POOL 082736	2.000	02/20/41	196,763,420	103.39800	203,449.44	(222.34)	4,906.14	327.94
NHZ0	37045XBK1	GENERAL MOTORS FINL CO	3.700	05/09/23	250,000,000	98.39900	245,997.50	(4,170.00)	4,625.00	1,336.11
NHZ0	38141GVU5	GOLDMAN SACHS GROUP INC	2.625	04/25/21	750,000,000	99.27400	744,555.00	(6,667.50)	9,843.75	3,609.37
NHZ0	38143U8H7	GOLDMAN SACHS GROUP INC	3.750	02/25/26	250,000,000	100.29400	250,735.00	1,312.50	4,687.50	3,281.25
NHZ0	38379JA68	GOVERNMENT NATIONAL MORTGAG	3.000	09/20/40	538,227,010	101.82368	548,042.55	(2,183.48)	22,643.35	1,345.57
NHZ0	404280AV1	HSBC HOLDINGS PLC	3.400	03/08/21	250,000,000	101.68800	254,220.00	3,477.50	4,250.00	2,668.06
NHZ0	40429CGD8	HSBC FINANCE CORP	6.676	01/15/21	500,000,000	112.40400	562,020.00	(10,105.00)	16,690.00	15,391.89
NHZ0	44987C4M0	ING BANK NV	2.750	03/22/21	250,000,000	100.42900	251,072.50	1,315.00	3,437.50	1,890.62
NHZ0	46625HJZ4	JPMORGAN CHASE + CO	4.125	12/15/26	250,000,000	102.06600	255,165.00	5,855.00	10,312.50	458.33
NHZ0	46625HQW3	JPMORGAN CHASE + CO	3.300	04/01/26	150,000,000	98.25500	147,382.50	(2,439.00)	2,585.00	1,237.50
NHZ0	46625HRL6	JPMORGAN CHASE + CO	2.700	05/18/23	250,000,000	97.83900	244,597.50	(4,725.50)	3,375.00	806.25
NHZ0	46625HRV4	JPMORGAN CHASE + CO	2.950	10/01/26	600,000,000	95.44900	572,694.00	(27,532.50)	3,441.67	4,425.00
NHZ0	46642JAG0	JP MORGAN CHASE COMMERCIAL N	2.354	04/15/27	200,000,000	98.73450	197,469.00	(2,313.36)	4,290.26	222.31
NHZ0	46647CAF2	JP MORGAN MORTGAGE TRUST	2.869	06/25/46	192,891,230	100.65592	194,156.44	(1,846.66)	1,893.45	461.14
NHZ0	52602EAD4	BLK KNIGHT INFOSERVE	5.750	04/15/23	950,000,000	104.75000	995,125.00	9,875.00	40,250.00	11,531.94
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	150,000,000	123.50200	185,253.00	2,187.00	28,970.42	4,312.50
NHZ0	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	395,000,000	134.20000	530,090.00	(36,406.60)	20,187.65	13,347.05
NHZ0	55315CAD9	MMAF EQUIPMENT FINANCE LLC	1.590	02/08/22	400,000,000	99.62479	398,499.16	1,292.00	6,360.00	406.33
NHZ0	55315FAE0	MMAF EQUIPMENT FINANCE LLC	2.590	12/15/32	400,000,000	98.02836	392,113.44	(7,869.72)	5,254.85	460.44
NHZ0	56501RAC0	MANULIFE FINANCIAL CORP	4.150	03/04/26	750,000,000	104.40100	783,007.50	9,332.50	15,562.50	10,115.62
NHZ0	570535AQ7	MARKEL CORP	5.000	04/05/46	300,000,000	100.57500	301,725.00	4,854.00	7,500.00	3,583.33
NHZ0	575718AF8	MASS INSTITUTE OF TECH	3.885	07/01/16	375,000,000	85.55600	320,835.00	(54,637.50)	0.00	6,029.84
NHZ0	57604TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	150,000,000	126.90500	190,357.50	(15,553.50)	4,298.25	716.37
NHZ0	58516NAA2	MEGA ADVANCE INVESTMENTS	5.000	05/12/21	250,000,000	106.85500	267,137.50	2,150.00	12,500.00	1,701.39
NHZ0	594918BT0	MICROSOFT CORP	3.700	08/08/46	500,000,000	94.14700	470,735.00	(33,985.00)	2,492.36	7,348.61
NHZ0	60920LAC8	MONDELEZ INTL HLDINGS NE	2.000	10/28/21	300,000,000	95.80400	287,412.00	(11,481.00)	0.00	1,050.00
NHZ0	617446C23	MORGAN STANLEY	5.450	01/09/17	500,000,000	100.04900	500,245.00	(2,489.00)	0.00	13,019.44
NHZ0	64968HTX8	NEW YORK NY	5.985	12/01/36	100,000,000	124.69900	124,699.00	1,199.00	0.00	498.75
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	125,000,000	120.60300	150,753.75	(976.25)	26,681.67	2,868.75
NHZ0	649902T37	NEW YORK ST DORM AUTH ST PER	5.600	03/15/40	75,000,000	123.12000	92,340.00	891.00	0.00	1,236.67
NHZ0	677632MV0	OHIO ST UNIV	4.910	06/01/40	55,000,000	114.05100	62,728.05	(6,198.50)	5,775.39	225.04
NHZ0	680223AK0	OLD REPUBLIC INTL CORP	3.875	08/26/26	750,000,000	95.12200	713,415.00	(40,406.25)	0.00	10,091.16
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	625,000,000	126.25400	789,087.50	(47,701.15)	33,159.00	4,659.10
NHZ0	69335PCB9	PFS FINANCING CORP	1.870	10/15/21	350,000,000	99.00000	346,500.00	(3,493.07)	890.84	545.42
NHZ0	69640GAA3	PALISADES CENTER TRUST	2.713	04/13/33	550,000,000	99.60601	547,833.06	(2,166.94)	9,947.54	911.86
NHZ0	714295AB8	PERRIGO FINANCE UNLIMITE	3.500	12/15/21	500,000,000	100.80200	504,010.00	600.00	17,500.00	777.78

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 3A

FIXED INCOME 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>
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	100,000.000	125.12700	125,127.00	2,122.00	16,157.00	503.33
NHZ0	860630AD4	STIFEL FINANCIAL CORP	4.250	07/18/24	800,000.000	99.31300	794,504.00	(17,900.50)	17,000.00	15,394.44
NHZ0	87165BAL7	SYNCHRONY FINANCIAL	3.700	08/04/26	250,000.000	96.12700	240,317.50	(8,895.00)	0.00	3,777.08
NHZ0	89114QBG2	TORONTO DOMINION BANK	2.125	04/07/21	250,000.000	98.47100	246,177.50	(3,397.50)	2,656.25	1,239.58
NHZ0	891906AC3	TOTAL SYSTEM SERVICES IN	4.800	04/01/26	475,000.000	107.75200	511,822.00	31,483.00	12,286.66	5,700.00
NHZ0	89641UAC5	TRINITY ACQUISITION PLC	4.400	03/15/26	500,000.000	101.22500	506,125.00	2,840.00	10,572.22	6,477.78
NHZ0	90351DAH0	UBS GROUP FUNDING	2.650	02/01/22	250,000.000	97.19000	242,975.00	(6,875.00)	0.00	2,594.79
NHZ0	91159HHM5	US BANCORP	3.100	04/27/26	250,000.000	97.35600	243,390.00	(6,417.50)	3,896.52	1,377.78
NHZ0	912796JA8	TREASURY BILL	0.000	02/02/17	1,000,000.000	99.96501	999,650.10	27.88	0.00	0.00
NHZ0	91281ORS9	US TREASURY N/B	2.500	05/15/46	200,000.000	88.86700	177,734.00	(30,042.78)	8,574.22	649.17
NHZ0	91281ORT7	US TREASURY N/B	2.250	08/15/46	100,000.000	84.08200	84,082.00	(12,636.75)	4,555.03	849.86
NHZ0	91281ORU4	US TREASURY N/B	2.875	11/15/46	400,000.000	96.54700	386,188.00	563.00	0.00	1,493.09
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	1,000,000.000	93.43800	934,380.00	(50,168.99)	31,033.73	6,137.90
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	1,900,000.000	93.25000	1,771,750.00	(142,438.18)	18,329.83	4,008.62
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	300,000.000	98.03100	294,093.00	(3,383.72)	42,239.69	827.69
NHZ0	949746SA0	WELLS FARGO + COMPANY	2.100	07/26/21	200,000.000	97.30600	194,612.00	(5,200.00)	0.00	1,820.00
NHZ0	966244AA3	WHITEWAVE FOODS CO	5.375	10/01/22	500,000.000	109.50000	547,500.00	(20,000.00)	13,437.50	6,718.75
NHZ0	981464CW8	WORLD FINANCIAL NETWORK CREI	3.140	01/17/23	300,000.000	102.71736	308,152.08	(758.91)	9,419.88	418.67
SCHEDULE TOTALS									860,199.30	296,811.51
									(781,657.01)	
									38,212,450.20	
									TOTAL INCREASE	140,574.75
									TOTAL DECREASE	922,231.76

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 3B
FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	RATE	MATURITY		TRADE DATE	NAME OF BROKER	COMM	ACCRUED		COST INCLUDING	
									INT PAID	EXCLUDING INT	COMMISSION BUT	EXCLUDING INT
NH20	00206RCT7	AT+T INC	4.125	02/17/26		05/03/16	MORGAN STANLEY CO INCORPOR	0.00	2,664.06		266,677.50	
NH20	00912XAS3	AIR LEASE CORP	3.375	06/01/21		04/04/16	STIFEL NICOLAUS + CO INC	0.00	0.00		248,600.00	
NH20	00912XAS3	AIR LEASE CORP	3.375	06/01/21		04/04/16	STIFEL NICOLAUS + CO INC	0.00	0.00		497,035.00	
NH20	026874BS5	AMERICAN INTL GROUP	1.000	05/15/68		09/28/16	RAYMOND JAMES/FI	0.00	10,968.13		468,300.00	
NH20	026874BS5	AMERICAN INTL GROUP	8.175	05/15/68		12/13/16	RAYMOND JAMES/FI	0.00	351.98		63,500.00	
NH20	026874DH7	AMERICAN INTL GROUP	3.900	04/01/26		03/17/16	DEUTSCHE BANK ALEX BROWN	0.00	0.00		249,875.00	
NH20	03027XAM2	AMERICAN TOWER CORP	3.125	01/15/27		09/28/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		249,832.50	
NH20	035242AP1	ANHEUSER BUSCH INBEV FIN	3.650	02/01/26		02/17/16	DEUTSCHE BANK ALEX BROWN	0.00	1,368.75		509,090.00	
NH20	037833BY5	APPLE INC	3.250	02/23/26		02/17/16	DEUTSCHE BANK ALEX BROWN	0.00	0.00		500,845.00	
NH20	037833CD0	APPLE INC	3.850	08/04/46		07/28/16	STIFEL NICOLAUS + CO INC	0.00	0.00		501,420.00	
NH20	04351LAB6	ASCENSION HEALTH	3.945	11/15/46		04/25/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		250,000.00	
NH20	05531FAV5	BB+T CORPORATION	2.050	05/10/21		05/05/16	DEUTSCHE BANK ALEX BROWN	0.00	0.00		249,740.00	
NH20	06051GFU8	BANK OF AMERICA CORP	4.450	03/03/26		03/01/16	STIFEL NICOLAUS + CO INC	0.00	92.71		749,280.00	
NH20	06051GFU8	BANK OF AMERICA CORP	4.450	03/03/26		03/01/16	J.P. MORGAN SECURITIES INC.	0.00	61.81		501,560.00	
NH20	072024NT5	BAY AREA CA TOLL AUTH TOLL BRI	6.793	04/01/30		10/17/16	RAYMOND JAMES/FI	0.00	358.52		128,446.00	
NH20	072863AF0	BAYLOR SCOTT + WHITE HOL	3.967	11/15/46		04/20/16	RAYMOND JAMES/FI	0.00	330.58		249,020.00	
NH20	072863AF0	BAYLOR SCOTT + WHITE HOL	3.967	11/15/46		04/20/16	RAYMOND JAMES/FI	0.00	330.58		250,643.25	
NH20	072863AF0	BAYLOR SCOTT + WHITE HOL	3.967	11/15/46		04/22/16	RAYMOND JAMES/FI	0.00	154.27		98,392.00	
NH20	072863AF0	BAYLOR SCOTT + WHITE HOL	3.967	11/15/46		04/22/16	RAYMOND JAMES/FI	0.00	154.27		98,409.00	
NH20	084670BS6	BERKSHIRE HATHAWAY INC	3.125	03/15/26		03/08/16	STIFEL NICOLAUS + CO INC	0.00	0.00		202,120.00	
NH20	084670BS6	BERKSHIRE HATHAWAY INC	3.125	03/15/26		03/08/16	FIRST CLEARING, LLC	0.00	0.00		149,859.00	
NH20	120568AX8	BUNGE LTD FINANCE CORP	3.250	08/15/26		08/10/16	RAYMOND JAMES/FI	0.00	0.00		251,275.00	
NH20	13034VAC8	CALIFORNIA INSTITUTE OF	4.283	09/01/16		09/07/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		250,000.00	
NH20	13034VAC8	CALIFORNIA INSTITUTE OF	4.283	09/01/16		09/08/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		249,832.50	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		02/23/16	RAYMOND JAMES/FI	0.00	5,346.88		251,869.23	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		03/07/16	RAYMOND JAMES/FI	0.00	2,484.38		106,932.00	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		04/07/16	PIPER JAFFRAY	0.00	229.17		148,501.00	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		04/26/16	RAYMOND JAMES/FI	0.00	875.00		220,029.00	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		05/11/16	RAYMOND JAMES/FI	0.00	1,406.25		226,510.50	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		08/02/16	RAYMOND JAMES/FI	0.00	4,004.17		236,613.70	
NH20	13063A5E0	CALIFORNIA ST	7.500	04/01/34		09/28/16	FIRST CLEARING, LLC	0.00	857.71		34,960.00	
NH20	13063A5G5	CALIFORNIA ST	7.550	04/01/39		04/11/16	RAYMOND JAMES/FI	0.00	681.60		386,672.50	
NH20	13063A5G5	CALIFORNIA ST	7.550	04/01/39		08/02/16	RAYMOND JAMES/FI	0.00	5,201.11		322,160.00	
NH20	13063BJC7	CALIFORNIA ST	7.600	11/01/40		01/25/16	RAYMOND JAMES/FI	0.00	1,561.17		127,007.85	
NH20	13063BJC7	CALIFORNIA ST	7.600	11/01/40		03/29/16	RAYMOND JAMES/FI	0.00	7,916.67		384,292.50	
NH20	14040HBK0	CAPITAL ONE FINANCIAL CO	3.750	07/28/26		07/25/16	STIFEL NICOLAUS + CO INC	0.00	0.00		250,145.00	
NH20	14040HBK0	CAPITAL ONE FINANCIAL CO	3.750	07/28/26		07/25/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		249,112.50	
NH20	14916RAF1	CATHOLIC HEALTH INITIATI	4.200	08/01/23		05/03/16	J.P. MORGAN SECURITIES INC.	0.00	5,541.67		546,025.00	
NH20	161571HG2	CHASE ISSUANCE TRUST	1.100	01/15/20		08/12/16	J.P. MORGAN CLEARING CORP.	0.00	0.00		399,958.52	

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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
NHZ0	174610AN5	CITIZENS FINANCIAL GROUP	2.375	07/28/21	150,000.000	07/25/16	STIFEL NICOLAUS + CO INC	0.00	0.00	150,237.00
NHZ0	174610AN5	CITIZENS FINANCIAL GROUP	2.375	07/28/21	100,000.000	07/26/16	STIFEL NICOLAUS + CO INC	0.00	6.60	100,181.00
NHZ0	20271RAN0	COMMONWEALTH BK AUSTR NY	2.050	03/15/19	250,000.000	03/08/16	PERSHING LLC	0.00	0.00	249,675.00
NHZ0	22822VAC5	CROWN CASTLE INTL CORP	3.700	06/15/26	500,000.000	04/26/16	STIFEL NICOLAUS + CO INC	0.00	0.00	500,565.00
NHZ0	249218AK4	DENVER CO PUBLIC SCHS COPS	7.017	12/15/37	70,000.000	04/07/16	RAYMOND JAMES/FI	0.00	1,596.37	98,737.80
NHZ0	25272KAK9	DIAMOND 1 FIN/DIAMOND 2	6.020	06/15/26	250,000.000	05/17/16	STIFEL NICOLAUS + CO INC	0.00	0.00	254,220.00
NHZ0	25466AAJ0	DISCOVER BANK	3.450	07/27/26	250,000.000	07/21/16	PERSHING LLC	0.00	0.00	249,727.50
NHZ0	25477GEU5	DIST OF COLUMBIA INCOME TAX SE	5.582	12/01/35	100,000.000	03/01/16	RAYMOND JAMES/FI	0.00	1,442.02	125,536.00
NHZ0	3136ATX33	FANNIEMAE ACES	1.000	08/25/28	1,500,000.000	10/26/16	BONY / VINING SPARKS IBG A LTD	0.00	286.31	1,499,948.27
NHZ0	31428XBF2	FEDEX CORP	3.250	04/01/26	250,000.000	03/22/16	J.P. MORGAN SECURITIES INC.	0.00	90.28	250,920.00
NHZ0	31620MAT3	FIDELITY NATIONAL INFORM	3.000	08/15/26	250,000.000	08/11/16	STIFEL NICOLAUS + CO INC	0.00	0.00	248,440.00
NHZ0	33829TAA4	FIVE CORNERS FUNDING TRS	4.419	11/15/23	250,000.000	03/23/16	RAYMOND JAMES/FI	0.00	4,112.13	261,487.50
NHZ0	341271AB0	FLORIDA ST BRD OF ADMIN FIN CO	2.638	07/01/21	700,000.000	02/23/16	J.P. MORGAN SECURITIES INC.	0.00	0.00	700,000.00
NHZ0	345397WN9	FORD MOTOR CREDIT CO LLC	1.500	01/17/17	500,000.000	11/01/16	MORGAN STANLEY CO INCORPOR	0.00	2,229.17	500,485.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	1.000	03/20/46	400,000.000	03/16/16	BONY + VINING SPARKS IBG L P	0.00	555.56	408,750.00
NHZ0	36179RX53	GNMA II POOL MA3400	1.000	01/20/46	300,000.000	01/14/16	BONY / VINING SPARKS IBG A LTD	0.00	316.67	304,875.00
NHZ0	36179RZ51	GNMA II POOL MA3464	1.000	02/20/46	350,000.000	02/17/16	BONY + VINING SPARKS IBG L P	0.00	559.03	360,062.50
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	249,499.900	03/01/16	BONY + VINING SPARKS IBG L P	0.00	381.18	255,815.37
NHZ0	37045XBK1	GENERAL MOTORS FINL CO	3.700	05/09/23	250,000.000	05/04/16	STIFEL NICOLAUS + CO INC	0.00	0.00	250,167.50
NHZ0	38141GVU5	GOLDMAN SACHS GROUP INC	2.625	04/25/21	250,000.000	04/20/16	DREXEL HAMILTONLLC	0.00	0.00	249,837.50
NHZ0	38141GVU5	GOLDMAN SACHS GROUP INC	2.625	04/25/21	500,000.000	04/20/16	STIFEL NICOLAUS + CO INC	0.00	0.00	501,385.00
NHZ0	38143U8H7	GOLDMAN SACHS GROUP INC	3.750	02/25/26	250,000.000	02/22/16	DREXEL HAMILTONLLC	0.00	0.00	249,422.50
NHZ0	404280AV1	HSBC HOLDINGS PLC	3.400	03/08/21	250,000.000	03/01/16	STIFEL NICOLAUS + CO INC	0.00	0.00	250,742.50
NHZ0	404280AW9	HSBC HOLDINGS PLC	4.300	03/08/26	500,000.000	03/01/16	STIFEL NICOLAUS + CO INC	0.00	0.00	506,290.00
NHZ0	40429CGD8	HSBC FINANCE CORP	6.676	01/15/21	500,000.000	04/26/16	RAYMOND JAMES/FI	0.00	9,643.11	572,125.00
NHZ0	410867AF2	HANOVER INSURANCE GROUP	4.500	04/15/26	125,000.000	04/05/16	STIFEL NICOLAUS + CO INC	0.00	0.00	125,018.75
NHZ0	410867AF2	HANOVER INSURANCE GROUP	4.500	04/15/26	125,000.000	04/05/16	J.P. MORGAN SECURITIES INC.	0.00	0.00	124,708.75
NHZ0	410867AF2	HANOVER INSURANCE GROUP	4.500	04/15/26	250,000.000	05/20/16	RAYMOND JAMES/FI	0.00	1,468.75	254,600.00
NHZ0	442331QM9	HOUSTON TX	6.290	03/01/32	350,000.000	05/05/16	RAYMOND JAMES/FI	0.00	4,219.54	438,011.00
NHZ0	442331QM9	HOUSTON TX	6.290	03/01/32	25,000.000	09/14/16	RAYMOND JAMES/FI	0.00	78.63	31,125.00
NHZ0	46825HJN5	JPMORGAN CHASE + CO	2.750	03/22/21	250,000.000	03/15/16	DEUTSCHE BANK ALEX BROWN	0.00	0.00	249,757.50
NHZ0	46825HJN5	JPMORGAN CHASE + CO	4.250	10/01/27	275,000.000	02/17/16	STIFEL NICOLAUS + CO INC	0.00	4,772.40	270,239.75
NHZ0	46825HJN5	JPMORGAN CHASE + CO	3.300	04/01/26	150,000.000	03/18/16	J.P. MORGAN SECURITIES INC.	0.00	0.00	149,821.50
NHZ0	46825HJN5	JPMORGAN CHASE + CO	2.700	05/18/23	150,000.000	05/11/16	J.P. MORGAN CLEARING CORP.	0.00	0.00	149,601.00
NHZ0	46825HJN5	JPMORGAN CHASE + CO	2.700	05/18/23	100,000.000	05/11/16	STIFEL NICOLAUS + CO INC	0.00	0.00	99,722.00
NHZ0	46825HJN5	JPMORGAN CHASE + CO	2.950	10/01/26	350,000.000	07/14/16	STIFEL NICOLAUS + CO INC	0.00	0.00	350,766.50
NHZ0	46825HJN5	JPMORGAN CHASE + CO	2.950	10/01/26	250,000.000	07/14/16	J.P. MORGAN SECURITIES INC.	0.00	0.00	249,460.00
NHZ0	46825HJN5	JPMORGAN CHASE + CO	2.868	06/25/46	200,000.000	08/17/16	J.P. MORGAN SECURITIES INC.	0.00	462.15	203,226.56
NHZ0	47770VAZ3	JOBSONIO BEVERAGE SYS STWD LI	4.532	01/01/35	175,000.000	02/09/16	RAYMOND JAMES/FI	0.00	903.25	197,806.00

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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
NHZ0	47770VAZ3	JOBSONO BEVERAGE SYS STWD LI	4.532	01/01/35	60,000.000	02/18/16	RAYMOND JAMES/FI	0.00	392.77		67,294.20
NHZ0	47770VAZ3	JOBSONO BEVERAGE SYS STWD LI	4.532	01/01/35	10,000.000	08/01/16	RAYMOND JAMES/FI	0.00	41.54		11,559.20
NHZ0	47770VAZ3	JOBSONO BEVERAGE SYS STWD LI	4.532	01/01/35	10,000.000	08/23/16	RAYMOND JAMES/FI	0.00	69.24		11,724.80
NHZ0	524901AV7	LEGG MASON INC	4.750	03/15/26	500,000.000	03/22/16	RAYMOND JAMES/FI	0.00	395.83		503,200.00
NHZ0	525015AA1	LEHIGH UNIVERSITY	3.479	11/15/46	250,000.000	09/27/16	J.P. MORGAN SECURITIES INC.	0.00	0.00		250,000.00
NHZ0	52602EAD4	BLK KNIGHT INFOSERVE	5.750	04/15/23	250,000.000	10/20/16	RAYMOND JAMES/FI	0.00	399.31		264,250.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	200,000.000	03/28/16	RAYMOND JAMES/FI	0.00	2,875.00		249,906.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	210,000.000	08/19/16	RAYMOND JAMES/FI	0.00	1,777.71		282,452.10
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	100,000.000	09/02/16	RAYMOND JAMES/FI	0.00	1,070.14		134,852.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	185,000.000	10/21/16	RAYMOND JAMES/FI	0.00	3,398.09		242,686.70
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	100,000.000	11/01/16	RAYMOND JAMES/FI	0.00	1,964.58		129,492.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	150,000.000	12/22/16	RAYMOND JAMES/FI	0.00	4,240.63		183,066.00
NHZ0	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	100,000.000	02/23/16	BB&T SECURITIES, LLC	0.00	1,032.47		137,352.00
NHZ0	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	100,000.000	05/05/16	BB&T SECURITIES, LLC	0.00	2,421.62		139,611.00
NHZ0	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	250,000.000	09/27/16	RAYMOND JAMES/FI	0.00	4,176.82		365,407.50
NHZ0	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	100,000.000	11/01/16	RAYMOND JAMES/FI	0.00	2,308.98		141,195.00
NHZ0	544646ZR6	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	45,000.000	12/22/16	RAYMOND JAMES/FI	0.00	1,495.21		59,894.10
NHZ0	5463986Q6	LOUISIANA ST PUBLIC FACS AUTHR	4.346	06/01/51	450,000.000	11/04/16	RAYMOND JAMES/FI	0.00	0.00		450,000.00
NHZ0	55315FAE0	MMAF EQUIPMENT FINANCE LLC	2.590	12/15/32	400,000.000	05/03/16	J.P. MORGAN SECURITIES INC.	0.00	0.00		399,983.16
NHZ0	56501RAC0	MANULIFE FINANCIAL CORP	4.150	03/04/26	500,000.000	03/18/16	RAYMOND JAMES/FI	0.00	1,095.14		507,000.00
NHZ0	56501RAC0	MANULIFE FINANCIAL CORP	4.150	03/04/26	250,000.000	06/13/16	RAYMOND JAMES/FI	0.00	2,939.58		266,675.00
NHZ0	570535AQ7	MARKEL CORP	5.000	04/05/46	300,000.000	03/29/16	FIRST CLEARING, LLC	0.00	0.00		296,871.00
NHZ0	575718AF8	MASS INSTITUTE OF TECH	3.885	07/01/16	250,000.000	07/26/16	J.P. MORGAN SECURITIES INC.	0.00	0.00		250,000.00
NHZ0	575718AF8	MASS INSTITUTE OF TECH	3.885	07/01/16	125,000.000	09/26/16	RAYMOND JAMES/FI	0.00	768.91		125,472.50
NHZ0	57582RJN7	MASSACHUSETTS ST	3.277	06/01/46	250,000.000	06/29/16	J.P. MORGAN CLEARING CORP.	0.00	0.00		250,000.00
NHZ0	57604P5P5	MASSACHUSETTS ST WTR POLL AB	5.192	08/01/40	100,000.000	01/04/16	RAYMOND JAMES/FI	0.00	2,249.87		115,371.00
NHZ0	57604TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	50,000.000	08/22/16	RAYMOND JAMES/FI	0.00	668.62		69,452.00
NHZ0	57604TAD8	MASSACHUSETTS ST TRANSPRTN F	5.731	06/01/40	100,000.000	10/13/16	RAYMOND JAMES/FI	0.00	2,180.96		136,459.00
NHZ0	592041WJ2	MET GOVT NASHVILLE DAVIDSONC	4.053	07/01/26	450,000.000	03/18/16	RAYMOND JAMES/FI	0.00	0.00		463,756.50
NHZ0	592041WJ2	MET GOVT NASHVILLE DAVIDSONC	4.053	07/01/26	50,000.000	03/28/16	RAYMOND JAMES/FI	0.00	0.00		51,942.00
NHZ0	594918BT0	MICROSOFT CORP	3.700	08/09/46	750,000.000	08/01/16	STIFEL NICOLAUS + CO INC	0.00	0.00		757,080.00
NHZ0	606822AJ3	MITSUBISHI UFJ FIN GRP	2.757	09/13/26	150,000.000	09/06/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		150,000.00
NHZ0	606822AJ3	MITSUBISHI UFJ FIN GRP	2.757	09/13/26	100,000.000	09/07/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		100,148.00
NHZ0	60920LAC8	MONDELEZ INTL HLDINGS NE	2.000	10/28/21	300,000.000	10/19/16	DREXEL HAMILTONLLC	0.00	0.00		298,893.00
NHZ0	617446C23	MORGAN STANLEY	5.450	01/09/17	500,000.000	11/21/16	J.P. MORGAN SECURITIES INC.	0.00	10,294.44		502,734.00
NHZ0	61761JVM8	MORGAN STANLEY	1.875	01/05/18	250,000.000	03/28/16	RAYMOND JAMES/FI	0.00	1,119.79		250,122.50
NHZ0	64966H4K3	NEW YORK NY	5.517	10/01/37	225,000.000	06/10/16	RAYMOND JAMES/FI	0.00	2,551.61		291,318.75
NHZ0	64966H4K3	NEW YORK NY	5.517	10/01/37	45,000.000	08/11/16	RAYMOND JAMES/FI	0.00	930.99		59,415.30
NHZ0	64966HTX8	NEW YORK NY	5.985	12/01/36	100,000.000	12/14/16	RAYMOND JAMES/FI	0.00	299.25		123,500.00

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										COMMISSION BUT	EXCLUDING INT
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	45,000.000	03/18/16	RAYMOND JAMES/FI	0.00	358.02	55,724.85	
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	90,000.000	08/22/16	RAYMOND JAMES/FI	0.00	330.48	119,749.50	
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	125,000.000	11/21/16	RAYMOND JAMES/FI	0.00	2,180.25	151,730.00	
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	50,000.000	03/01/16	RAYMOND JAMES/FI	0.00	951.88	62,165.00	
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	145,000.000	07/05/16	RAYMOND JAMES/FI	0.00	1,503.67	194,659.60	
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	120,000.000	07/20/16	BB&T SECURITIES, LLC	0.00	1,560.16	157,545.60	
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	75,000.000	08/26/16	BONY / VINING SPARKS IBG A LTD	0.00	1,393.00	100,789.50	
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	125,000.000	10/17/16	RAYMOND JAMES/FI	0.00	3,269.68	161,718.75	
NHZ0	6499022E2	NEW YORK ST DORM AUTH ST PER	5.289	03/15/33	100,000.000	02/01/16	RAYMOND JAMES/FI	0.00	2,042.14	118,676.00	
NHZ0	649902T37	NEW YORK ST DORM AUTH ST PER	5.600	03/15/40	75,000.000	12/14/16	RAYMOND JAMES/FI	0.00	1,096.67	91,449.00	
NHZ0	67103HAE7	O REILLY AUTOMOTIVE INC	3.550	03/15/26	250,000.000	03/01/16	J.P. MORGAN SECURITIES INC.	0.00	0.00	249,580.00	
NHZ0	677632MV0	OHIO ST UNIV	4.910	06/01/40	300,000.000	09/13/16	RAYMOND JAMES/FI	0.00	4,296.25	375,963.00	
NHZ0	680223AK0	OLD REPUBLIC INTL CORP	3.875	08/26/26	250,000.000	08/23/16	MORGAN STANLEY CO INCORPOR	0.00	0.00	249,547.50	
NHZ0	680223AK0	OLD REPUBLIC INTL CORP	3.875	08/26/26	250,000.000	08/24/16	STIFEL NICOLAUS + CO INC	0.00	80.73	252,240.00	
NHZ0	680223AK0	OLD REPUBLIC INTL CORP	3.875	08/26/26	250,000.000	08/24/16	RAYMOND JAMES/FI	0.00	80.73	252,033.75	
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	275,000.000	02/02/16	RAYMOND JAMES/FI	0.00	3,565.22	359,306.75	
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	125,000.000	02/25/16	RAYMOND JAMES/FI	0.00	2,147.24	165,212.50	
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	360,000.000	07/28/16	RAYMOND JAMES/FI	0.00	4,317.16	497,584.80	
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	110,000.000	12/07/16	RAYMOND JAMES/FI	0.00	481.31	138,096.20	
NHZ0	69335PCB9	PFS FINANCING CORP	1.870	10/15/21	350,000.000	10/18/16	J.P. MORGAN CLEARING CORP.	0.00	0.00	349,993.07	
NHZ0	69640GAA3	PALISADES CENTER TRUST	2.712	04/13/33	550,000.000	04/20/16	J.P. MORGAN SECURITIES INC.	0.00	828.97	550,000.00	
NHZ0	714295AB8	PERRIGO FINANCE UNLIMITE	3.500	12/15/21	500,000.000	03/08/16	J.P. MORGAN SECURITIES INC.	0.00	4,180.56	503,410.00	
NHZ0	717081DV2	PFIZER INC	2.750	06/03/26	250,000.000	05/31/16	MORGAN STANLEY CO INCORPOR	0.00	0.00	249,935.00	
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	125,000.000	05/18/16	RAYMOND JAMES/FI	0.00	3,607.22	161,258.75	
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	100,000.000	06/01/16	RAYMOND JAMES/FI	0.00	83.89	129,110.00	
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	100,000.000	06/06/16	RAYMOND JAMES/FI	0.00	134.22	130,880.00	
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	50,000.000	07/06/16	RAYMOND JAMES/FI	0.00	335.56	67,428.50	
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	50,000.000	07/14/16	RAYMOND JAMES/FI	0.00	402.67	66,347.00	
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JI	6.040	12/01/29	100,000.000	12/22/16	RAYMOND JAMES/FI	0.00	453.00	123,005.00	
NHZ0	73358WEK6	PORT AUTH OF NEW YORK NEW JI	4.926	10/01/51	250,000.000	08/23/16	RAYMOND JAMES/FI	0.00	4,960.21	323,255.00	
NHZ0	73358WEK6	PORT AUTH OF NEW YORK NEW JI	4.926	10/01/51	125,000.000	09/28/16	RAYMOND JAMES/FI	0.00	3,061.65	159,153.75	
NHZ0	754730AE9	RAYMOND JAMES FINANCIAL	3.625	09/15/26	150,000.000	07/07/16	RAYMOND JAMES/FI	0.00	0.00	149,761.50	
NHZ0	780097BA8	ROYAL BK SCOTLND GRP PLC	4.800	04/05/26	250,000.000	03/30/16	MORGAN STANLEY CO INCORPOR	0.00	0.00	249,547.50	
NHZ0	80283LAH6	SANTANDER UK PLC	2.350	09/10/19	350,000.000	06/01/16	NAME CHANGE NON CASH	0.00	1,850.63	350,332.50	
NHZ0	860630AD4	STIFEL FINANCIAL CORP	4.250	07/18/24	250,000.000	07/11/16	STIFEL NICOLAUS + CO INC	0.00	5,194.44	253,665.00	
NHZ0	860630AD4	STIFEL FINANCIAL CORP	4.250	07/18/24	550,000.000	07/12/16	STIFEL NICOLAUS + CO INC	0.00	11,492.71	558,739.50	
NHZ0	87165BAL7	SYNCHRONY FINANCIAL	3.700	08/04/26	250,000.000	08/01/16	STIFEL NICOLAUS + CO INC	0.00	0.00	249,212.50	
NHZ0	89114QBG2	TORONTO DOMINION BANK	2.125	04/07/21	250,000.000	03/31/16	FIRST CLEARING, LLC	0.00	0.00	249,575.00	
NHZ0	891906AC3	TOTAL SYSTEM SERVICES IN	4.800	04/01/26	475,000.000	03/14/16	STIFEL NICOLAUS + CO INC	0.00	0.00	480,339.00	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 3B
FIXED INCOME SECURITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY		TRADE DATE	NAME OF BROKER	COMM	ACCRUED		COST INCLUDING	
			RATE	DATE				INT	PAID	COMMISSION BUT	EXCLUDING INT
NHZ0	89641UAC5	TRINITY ACQUISITION PLC	4.400	03/15/26	03/22/16	RAYMOND JAMES/FI	0.00	366.67		503,285.00	
NHZ0	90351DAF4	UBS GROUP FUNDING	4.125	04/15/26	03/30/16	DREXEL HAMILTONLLC	0.00	0.00		249,447.50	
NHZ0	90351DAH0	UBS GROUP FUNDING	2.650	02/01/22	08/03/16	UBS FINANCIAL SERVICES INC	0.00	0.00		249,850.00	
NHZ0	91159HHM5	US BANCORP	3.100	04/27/26	04/21/16	MORGAN STANLEY CO INCORPOR	0.00	0.00		249,807.50	
NHZ0	912796FZ7	WI TREASURY SEC	0.010	03/03/16	02/05/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		6,998,926.67	
NHZ0	912796HK8	TREASURY BILL	0.010	04/07/16	03/01/16	FIRST TENNESSEE BANK, N.A.	0.00	0.00		9,497,783.33	
NHZ0	912796HN2	TREASURY BILL	0.010	05/05/16	04/06/16	FIRST TENNESSEE BANK BOND DI	0.00	0.00		7,998,880.00	
NHZ0	912796HN4	TREASURY BILL	0.010	05/05/16	04/14/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		999,900.00	
NHZ0	912796HV2	TREASURY BILL	0.010	01/05/17	09/02/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		998,900.00	
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	09/08/16	FIRST TENNESSEE BANK, N.A.	0.00	0.00		1,498,514.58	
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	09/19/16	FIRST TENNESSEE BANK BOND DI	0.00	0.00		1,998,573.33	
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	09/30/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		3,497,784.79	
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	12/09/16	FIRST TENNESSEE BANK BOND DI	0.00	0.00		1,499,630.00	
NHZ0	912796HZ5	WI TREASURY SEC	0.010	07/07/16	05/09/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		3,998,923.33	
NHZ0	912796HZ5	WI TREASURY SEC	0.010	07/07/16	05/12/16	FIRST TENNESSEE BANK BOND DI	0.00	0.00		1,499,545.00	
NHZ0	912796JA8	TREASURY BILL	0.010	02/02/17	12/29/16	FIRST TENNESSEE BANK BOND DI	0.00	0.00		999,622.22	
NHZ0	912796JN0	WI TREASURY SEC	0.010	10/06/16	07/18/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		4,996,818.06	
NHZ0	912796JN0	WI TREASURY SEC	0.010	10/06/16	08/05/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		1,999,360.82	
NHZ0	912796JN0	WI TREASURY SEC	0.010	10/06/16	08/29/16	FIRST TENNESSEE BANK, N.A.	0.00	0.00		2,999,290.83	
NHZ0	912796JS9	WI TREASURY SEC	0.000	11/03/16	10/06/16	FIRST TENNESSEE BANK N A BON	0.00	0.00		2,999,486.67	
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	01/14/16	FIRST TENNESSEE BANK, N.A.	0.00	1,226.56		99,343.75	
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	02/05/16	FIRST TENNESSEE BANK N A BON	0.00	2,781.25		207,281.25	
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	02/11/16	ICBCFS LLC	0.00	23.70		326,437.50	
NHZ0	912810RP5	US TREASURY N/B	2.875	08/15/45	02/24/16	FIRST TENNESSEE BANK BOND DI	0.00	173.76		213,125.00	
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	01/05/16	FIRST TENNESSEE BANK, N.A.	0.00	873.63		200,687.50	
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	01/11/16	FEDERAL RESERVE BANK OF BOS	0.00	1,458.79		304,265.63	
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	01/21/16	FIRST TENNESSEE BANK N A BON	0.00	1,755.49		312,140.63	
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	01/27/16	FIRST TENNESSEE BANK N A BON	0.00	618.13		104,046.88	
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	03/30/16	ICBCFS LLC	0.00	3,387.36		321,234.38	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	02/25/16	ICBCFS LLC	0.00	288.46		296,203.13	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	03/01/16	FEDERAL RESERVE BANK OF BOS	0.00	350.27		288,796.88	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	03/08/16	ICBCFS LLC	0.00	659.34		387,937.50	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	03/10/16	ICBC FINANCIAL SERVICES LLC	0.00	576.92		287,718.75	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	03/23/16	FIRST TENNESSEE BANK N A BON	0.00	865.38		287,765.63	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	03/24/16	INTERFUND TRANSFER	0.00	885.99		290,953.13	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	03/28/16	FEDERAL RESERVE BANK OF BOS	0.00	604.40		193,031.25	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	04/01/16	FIRST TENNESSEE BANK N A BON	0.00	686.81		195,937.50	
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	06/29/16	FIRST TENNESSEE BANK N A BON	0.00	934.07		104,968.75	
NHZ0	912810RS9	US TREASURY N/B	2.500	05/15/46	05/18/16	FEDERAL RESERVE BANK OF BOS	0.00	67.93		194,062.50	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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>
NHZ0	912810RS9	US TREASURY N/B	2.500	05/15/46	400,000.000	08/10/16	ICBCFS LLC	0.00	2,500.00	423,000.00
NHZ0	912810RS9	US TREASURY N/B	2.500	05/15/46	300,000.000	09/21/16	FIRST TENNESSEE BANK BOND DI	0.00	2,669.84	304,218.75
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	200,000.000	09/13/16	AMERICAS/DEUTSCHE BK LODN P	0.00	379.08	191,312.50
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	500,000.000	09/19/16	ICBC FINANCIAL SERVICES LLC	0.00	1,131.11	480,000.00
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	300,000.000	09/21/16	FIRST TENNESSEE BANK BOND DI	0.00	715.35	290,250.00
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	500,000.000	09/22/16	ICBCFS LLC	0.00	1,283.97	489,218.75
NHZ0	912810RU4	US TREASURY N/B	2.250	08/15/46	400,000.000	12/06/16	FIRST TENNESSEE BANK BOND DI	0.00	730.66	385,625.00
NHZ0	9128282A7	US TREASURY N/B	2.875	11/15/46	500,000.000	09/21/16	ICBC FINANCIAL SERVICES LLC	0.00	794.84	490,781.25
NHZ0	9128282A7	US TREASURY N/B	1.500	08/15/26	300,000.000	09/22/16	ICBC FINANCIAL SERVICES LLC	0.00	513.59	296,437.50
NHZ0	9128282A7	US TREASURY N/B	1.500	08/15/26	300,000.000	10/20/16	ICBCFS LLC	0.00	855.98	293,906.25
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	100,000.000	01/06/16	FIRST TENNESSEE BANK, N.A.	0.00	333.79	100,656.25
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	700,000.000	01/13/16	ICBCFS LLC	0.00	2,639.42	707,984.38
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	500,000.000	01/14/16	FEDERAL RESERVE BANK OF BOS	0.00	2,008.93	507,343.75
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	300,000.000	02/03/16	ICBC FINANCIAL SERVICES LLC	0.00	1,520.60	310,031.25
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	300,000.000	02/24/16	ICBCFS LLC	0.00	1,910.03	315,093.75
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	700,000.000	06/16/16	FEDERAL RESERVE BANK OF BOS	0.00	1,540.76	741,781.25
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	500,000.000	02/23/16	ICBCFS LLC	0.00	223.21	495,937.50
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	500,000.000	02/24/16	ICBC FINANCIAL SERVICES LLC	0.00	245.54	497,578.13
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	300,000.000	02/26/16	ICBC FINANCIAL SERVICES LLC	0.00	187.50	297,234.38
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	1,500,000.000	03/17/16	FEDERAL RESERVE BANK OF BOS	0.00	2,343.75	1,465,078.13
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	300,000.000	04/14/16	FEDERAL RESERVE BANK OF BOS	0.00	843.75	295,500.00
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	300,000.000	04/19/16	FEDERAL RESERVE BANK OF BOS	0.00	883.93	295,828.13
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	400,000.000	04/20/16	ICBCFS LLC	0.00	1,196.43	394,000.00
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	400,000.000	06/16/16	FEDERAL RESERVE BANK OF BOS	0.00	635.87	402,875.00
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	400,000.000	06/24/16	ICBCFS LLC	0.00	777.17	403,250.00
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	600,000.000	06/28/16	ICBC FINANCIAL SERVICES LLC	0.00	1,192.26	611,062.50
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	300,000.000	07/06/16	ICBC FINANCIAL SERVICES LLC	0.00	755.10	306,703.13
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	600,000.000	07/14/16	ICBC FINANCIAL SERVICES LLC	0.00	1,695.65	605,531.25
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	400,000.000	10/12/16	ICBC FINANCIAL SERVICES LLC	0.00	2,684.78	395,000.00
NHZ0	912828WR7	US TREASURY N/B	2.125	06/30/21	600,000.000	04/27/16	ICBCFS LLC	0.00	4,168.27	621,937.50
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	400,000.000	02/03/16	ICBC FINANCIAL SERVICES LLC	0.00	1,914.84	409,625.00
NHZ0	91412GTG0	UNIV OF CALIFORNIA CA REVENUE	4.601	05/15/31	205,000.000	03/30/16	BB&T SECURITIES, LLC	0.00	3,641.82	226,297.45
NHZ0	91412GTG0	UNIV OF CALIFORNIA CA REVENUE	4.601	05/15/31	200,000.000	08/02/16	RAYMOND JAMES/FI	0.00	2,044.89	234,782.00
NHZ0	949746RW3	WELLS FARGO + COMPANY	3.000	04/22/26	400,000.000	04/15/16	WELLS FARGO BROKERAGE SERI	0.00	0.00	399,624.00
NHZ0	949746SA0	WELLS FARGO + COMPANY	2.100	07/26/21	200,000.000	07/18/16	FIRST CLEARING, LLC	0.00	0.00	199,812.00
NHZ0	966244AA3	WHITEWAVE FOODS CO	5.375	10/01/22	500,000.000	08/30/16	RAYMOND JAMES/FI	0.00	11,197.92	567,500.00
NHZ0	977100DR4	WISCONSIN ST GEN FUND ANNUAL	3.294	05/01/37	600,000.000	08/03/16	STIFEL NICOLAUS + CO INC	0.00	0.00	600,000.00

SCHEDULE TOTALS

0.00 282,209.55 117,719,959.38

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	002799AQ7	ABBEE NATL TREASURY SERV	2.350	09/10/19	350,000.000	06/01/16	NAME CHANGE NON CASH	0.00	350,332.50	350,332.50	0.00	5,963.13
NHZ0	00912XAS3	AIR LEASE CORP	3.375	06/01/21	300,000.000	06/23/16	STIFEL NICOLAUS + CO INC	0.00	305,274.00	298,254.00	7,020.00	0.00
NHZ0	00912XAS3	AIR LEASE CORP	3.375	06/01/21	200,000.000	06/30/16	STIFEL NICOLAUS + CO INC	0.00	204,994.00	198,836.00	6,158.00	0.00
NHZ0	026874DH7	AMERICAN INTL GROUP	3.900	04/01/26	50,000.000	07/06/16	RAYMOND JAMES/FI	0.00	52,215.50	49,975.00	2,240.50	2,952.09
NHZ0	026874DH7	AMERICAN INTL GROUP	3.900	04/01/26	200,000.000	07/06/16	RAYMOND JAMES/FI	0.00	208,812.00	199,900.00	8,912.00	0.00
NHZ0	037833BY5	APPLE INC	3.250	02/23/26	500,000.000	02/24/16	DEUTSCHE BANK ALEX BROWN	0.00	510,070.00	500,845.00	9,225.00	270.83
NHZ0	037833CD0	APPLE INC	3.850	08/04/46	250,000.000	11/15/16	MORGAN STANLEY DW INC.	0.00	235,740.00	250,710.00	(14,970.00)	0.00
NHZ0	04351LAB6	ASCENSION HEALTH	3.945	11/15/46	100,000.000	05/19/16	RAYMOND JAMES/FI	0.00	103,596.00	100,000.00	3,596.00	0.00
NHZ0	04351LAB6	ASCENSION HEALTH	3.945	11/15/46	150,000.000	06/14/16	RAYMOND JAMES/FI	0.00	160,932.00	150,000.00	10,932.00	734.21
NHZ0	06051GFU8	BANK OF AMERICA CORP	4.450	03/03/26	1,250,000.000	06/16/16	MORGAN STANLEY CO INCORPOR	0.00	1,292,450.00	1,250,840.00	41,610.00	16,887.50
NHZ0	072863AF0	BAYLOR SCOTT + WHITE HOL	3.967	11/15/46	500,000.000	05/18/16	RAYMOND JAMES/FI	0.00	509,060.00	497,474.46	11,585.54	4,672.25
NHZ0	072863AF0	BAYLOR SCOTT + WHITE HOL	3.967	11/15/46	200,000.000	08/02/16	RAYMOND JAMES/FI	0.00	215,546.00	198,989.79	16,556.21	0.00
NHZ0	07330MAA5	BRANCH BANKING + TRUST	3.800	10/30/26	250,000.000	02/09/16	STIFEL NICOLAUS + CO INC	0.00	260,650.00	253,810.00	6,840.00	2,691.67
NHZ0	084670BS6	BERKSHIRE HATHAWAY INC	3.125	03/15/26	350,000.000	08/22/16	J.P. MORGAN SECURITIES INC.	0.00	371,833.00	351,979.00	19,854.00	4,861.11
NHZ0	13034VAC8	CALIFORNIA INSTITUTE OF	4.283	09/01/16	500,000.000	12/06/16	RAYMOND JAMES/FI	0.00	415,120.00	499,832.50	(84,712.50)	5,056.32
NHZ0	13063A5E0	CALIFORNIA ST	7.500	04/01/34	200,000.000	01/26/16	RAYMOND JAMES/FI	0.00	282,238.00	279,074.00	3,164.00	0.00
NHZ0	13063A5E0	CALIFORNIA ST	7.500	04/01/34	100,000.000	10/18/16	RAYMOND JAMES/FI	0.00	148,238.00	147,640.41	597.59	0.00
NHZ0	13063A5G5	CALIFORNIA ST	7.550	04/01/39	250,000.000	02/24/16	MORGAN STANLEY CO INCORPOR	0.00	376,005.00	363,127.50	12,877.50	0.00
NHZ0	13063A5G5	CALIFORNIA ST	7.550	04/01/39	250,000.000	02/25/16	RAYMOND JAMES/FI	0.00	373,437.50	363,127.50	10,310.00	0.00
NHZ0	13063BJC7	CALIFORNIA ST	7.600	11/01/40	200,000.000	02/25/16	MORGAN STANLEY CO INCORPOR	0.00	303,824.00	297,696.60	6,127.40	23,243.33
NHZ0	13063BJC7	CALIFORNIA ST	7.600	11/01/40	125,000.000	09/14/16	BB&T SECURITIES, LLC	0.00	200,168.75	192,146.25	8,022.50	0.00
NHZ0	13063BJC7	CALIFORNIA ST	7.600	11/01/40	125,000.000	11/10/16	RAYMOND JAMES/FI	0.00	190,813.75	192,146.25	(1,332.50)	0.00
NHZ0	136380AB8	CAN NAT RAIL PASS THRU	7.195	01/02/16	200,000.000	01/02/16	MATURITY	0.00	200,000.00	199,998.90	1.10	6,979.94
NHZ0	14040HBJ3	CAPITAL ONE FINANCIAL CO	4.200	10/29/25	250,000.000	01/14/16	BONY / VINING SPARKS IBG A LTD	0.00	248,975.00	246,837.50	2,137.50	2,362.50
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	499.550	01/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	499.55	489.32	10.23	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	960.570	02/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	960.57	940.89	19.68	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	269.390	03/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	269.39	263.87	5.52	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	547.060	04/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	547.06	535.85	11.21	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	511.270	05/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	511.21	500.74	10.47	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	593.620	06/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	593.62	581.46	12.16	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	524.560	07/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	524.56	513.81	10.75	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	532.160	08/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	532.16	521.26	10.90	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	1,008.720	09/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,008.72	988.05	20.67	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	1,991.090	10/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,991.09	1,950.30	40.79	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	319.790	11/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	319.79	313.24	6.55	0.00
NHZ0	19624LAA7	COLONY AMERICAN HOMES	1.000	05/17/31	1,423.770	12/17/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,423.77	1,394.60	29.17	0.00
NHZ0	202771RAN0	COMMONWEALTH BK AUSTR NY	2.050	03/15/19	250,000.000	07/05/16	STIFEL NICOLAUS + CO INC	0.00	253,982.50	249,675.00	4,307.50	1,580.21
NHZ0	20772JAC6	CONNECTICUT ST	5.090	10/01/30	106,000.000	05/05/16	RAYMOND JAMES/FI	0.00	123,319.34	116,870.30	6,449.04	3,282.20
NHZ0	249218AK4	DENVER CO PUBLIC SCHS COPS	7.017	12/15/37	70,000.000	05/26/16	RAYMOND JAMES/FI	0.00	98,226.80	98,737.80	(511.00)	2,264.93
NHZ0	254770EU5	DIST OF COLUMBIA INCOME TAX SE	5.582	12/01/35	170,000.000	01/21/16	PIPER JAFFRAY	0.00	211,202.90	206,847.50	4,355.40	10,485.63
NHZ0	254770EU5	DIST OF COLUMBIA INCOME TAX SE	5.582	12/01/35	255,000.000	03/11/16	RAYMOND JAMES/FI	0.00	318,316.50	312,560.91	5,755.59	0.00
NHZ0	254770EU5	DIST OF COLUMBIA INCOME TAX SE	5.582	12/01/35	175,000.000	05/26/16	RAYMOND JAMES/FI	0.00	223,142.50	214,502.59	8,639.91	0.00
NHZ0	3136ATX33	FANNIEMAE ACES	1.154	08/25/28	98.320	11/25/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	98.32	98.32	0.00	0.00
NHZ0	3136ATX33	FANNIEMAE ACES	1.154	08/25/28	52.110	12/25/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	52.11	52.11	0.00	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	7,974.280	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,974.28	8,061.75	(87.47)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	5,588.470	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,588.47	5,649.77	(61.30)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	5,151.230	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,151.23	5,207.73	(56.50)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	6,053.230	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,053.23	6,119.62	(66.39)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	7,643.600	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,643.60	7,727.44	(83.84)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	7,438.880	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,438.88	7,520.47	(81.59)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	8,851.960	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	8,851.96	8,949.05	(97.09)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	6,001.190	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,001.19	6,067.01	(65.82)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	8,828.500	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	8,828.50	8,925.34	(96.84)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	6,838.430	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,838.43	6,913.44	(75.01)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	7,663.290	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,663.29	7,747.34	(84.05)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	6,934.360	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,934.36	7,010.42	(76.06)	0.00
NHZ0	3137AFP48	FREDDIE MAC	2.500	08/15/39	400,000.000	01/11/16	STIFEL NICOLAUS + CO INC	0.00	432,324.00	450,756.00	(18,432.00)	7,896.67
NHZ0	31410HAQ4	MACYS RETAIL HLDGS INC	6.900	04/01/29	200,000.000	02/08/16	FIRST TENNESSEE SECURITIES C	0.00	201,816.00	199,778.00	2,038.00	3,098.61
NHZ0	316773CTS	FIFTH THIRD BANCORP	2.875	07/27/20	50,000.000	03/21/16	RAYMOND JAMES/FI	0.00	50,463.50	50,000.00	463.50	4,576.20
NHZ0	341271AB0	FLORIDA ST BRD OF ADMIN FIN CO	2.638	07/01/21	175,000.000	04/19/16	RAYMOND JAMES/FI	0.00	178,538.50	175,000.00	3,538.50	0.00
NHZ0	341271AB0	FLORIDA ST BRD OF ADMIN FIN CO	2.638	07/01/21	350,000.000	06/29/16	RAYMOND JAMES/FI	0.00	364,378.00	350,000.00	14,378.00	0.00
NHZ0	341271AB0	FLORIDA ST BRD OF ADMIN FIN CO	2.638	07/01/21	125,000.000	07/05/16	RAYMOND JAMES/FI	0.00	130,661.25	125,000.00	5,661.25	0.00
NHZ0	345397XN8	FORD MOTOR CREDIT CO LLC	2.551	10/05/18	150,000.000	07/05/16	RAYMOND JAMES/FI	0.00	152,661.00	148,935.00	3,726.00	2,848.61
NHZ0	345397XQ1	FORD MOTOR CREDIT CO LLC	3.200	01/15/21	250,000.000	06/27/16	BONY / VINING SPARKS IBG A LTD	0.00	257,220.00	248,310.00	8,910.00	5,133.33
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	3,614.120	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,614.12	3,674.98	(60.86)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	11,313.410	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,313.41	11,503.93	(190.52)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	4,338.240	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,338.24	4,411.30	(73.06)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	17,263.650	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	17,263.65	17,554.37	(290.72)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	10,965.240	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	10,965.24	11,149.89	(184.65)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	4,767.380	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,767.38	4,847.66	(80.28)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	22,246.790	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	22,246.79	22,621.43	(374.64)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	23,163.010	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	23,163.01	23,553.08	(390.07)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	12,143.390	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,143.39	12,347.88	(204.49)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	6,688.320	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,688.32	6,800.95	(112.63)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	10,379.830	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	10,379.83	10,554.63	(174.80)	0.00
NHZ0	3617903X7	GNMA II POOL MA2614	2.500	01/20/45	14,472.320	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	14,472.32	14,716.03	(243.71)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	2,242.140	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	2,242.14	2,291.19	(49.05)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	3,259.010	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,259.01	3,330.30	(71.29)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	5,207.630	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,207.63	5,321.55	(113.92)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	5,198.170	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,198.17	5,311.88	(113.71)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	6,327.660	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,327.66	6,466.08	(138.42)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	16,284.480	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	16,284.48	16,640.70	(356.22)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	24,067.720	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	24,067.72	24,594.20	(526.48)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	17,155.170	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	17,155.17	17,530.44	(375.27)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	12,446.550	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,446.55	12,718.82	(272.27)	0.00
NHZ0	36179R4Q9	GNMA II POOL MA3531	2.500	03/20/46	12,890.070	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,890.07	13,114.36	(224.29)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	5,749.780	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,749.78	5,849.83	(100.05)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	5,735.000	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,735.00	5,834.79	(99.79)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	14,933.940	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	14,933.94	15,193.79	(259.85)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	12,359.730	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,359.73	12,574.79	(215.06)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	16,893.580	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	16,893.58	17,187.53	(293.95)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	17,743.580	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	17,743.58	18,052.32	(308.74)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	16,995.240	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	16,995.24	17,290.96	(295.72)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	17,910.540	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	17,910.54	18,222.18	(311.64)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	14,629.660	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	14,629.66	14,884.22	(254.56)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	22,515.010	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	22,515.01	22,906.77	(391.76)	0.00
NHZ0	36179RCC1	GNMA II POOL MA2767	2.500	03/20/45	13,008.100	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	13,008.10	13,234.44	(226.34)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	4,784.090	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,784.09	4,855.85	(71.76)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	6,671.530	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,671.53	6,771.60	(100.07)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	9,668.590	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	9,668.59	9,813.62	(145.03)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	13,307.400	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	13,307.40	13,507.01	(199.61)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	15,731.670	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	15,731.67	15,967.65	(235.98)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	14,551.410	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	14,551.41	14,769.68	(218.27)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	11,322.530	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,322.53	11,492.37	(169.84)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	9,015.770	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	9,015.77	9,151.01	(135.24)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	25,959.920	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	25,959.92	26,349.32	(389.40)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	17,475.470	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	17,475.47	17,737.60	(262.13)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	11,796.500	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,796.50	11,973.45	(176.95)	0.00
NHZ0	36179RJ77	GNMA II POOL MA2974	2.500	06/20/45	13,464.570	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	13,464.57	13,686.54	(201.97)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	1,576.880	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,576.88	1,587.30	(10.42)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	3,669.070	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,669.07	3,693.32	(24.25)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	11,928.890	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,928.89	12,007.74	(78.85)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	6,574.310	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,574.31	6,617.77	(43.46)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	12,025.870	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,025.87	12,105.36	(79.49)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	8,757.970	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	8,757.97	8,815.86	(57.89)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	9,118.920	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	9,118.92	9,179.20	(60.28)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	7,510.620	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,510.62	7,560.27	(49.65)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	6,318.730	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,318.73	6,360.50	(41.77)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	10,565.400	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	10,565.40	10,635.24	(69.84)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	11,423.770	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,423.77	11,499.28	(75.51)	0.00
NHZ0	36179RME6	GNMA II POOL MA3057	2.000	08/20/45	12,024.000	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,024.00	12,103.48	(79.48)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	818.670	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	818.67	824.94	(6.27)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	814.780	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	814.78	821.02	(6.24)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	2,365.430	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	2,365.43	2,383.55	(18.12)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	2,964.500	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	2,964.50	2,987.21	(22.71)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	11,549.490	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,549.49	11,637.96	(88.47)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	11,416.960	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,416.96	11,504.41	(87.45)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	11,367.330	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	11,367.33	11,454.40	(87.07)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	12,775.420	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,775.42	12,873.28	(97.86)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	13,229.540	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	13,229.54	13,330.88	(101.34)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	13,767.490	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	13,767.49	13,872.95	(105.46)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	12,816.160	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,816.16	12,914.33	(98.17)	0.00
NHZ0	36179RV30	GNMA II POOL MA3334	2.000	12/20/45	9,112.170	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	9,112.17	9,181.97	(69.80)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	1,154.190	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,154.19	1,172.95	(18.76)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	1,077.560	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,077.56	1,095.07	(17.51)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 3C

FIXED INCOME SECURITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY		PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
			RATE	DATE								
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	3,088,050	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,088.05	3,138.23	(50.18)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	3,207,060	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,207.06	3,259.17	(52.11)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	6,809,870	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,809.87	6,920.53	(110.66)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	5,623,950	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,623.95	5,715.34	(91.39)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	8,644,210	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	8,644.21	8,784.68	(140.47)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	17,293,640	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	17,293.64	17,574.86	(281.02)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	9,283,590	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	9,283.59	9,434.45	(150.86)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	7,641,770	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,641.77	7,765.95	(124.18)	0.00
NHZ0	36179RX53	GNMA II POOL MA3400	2.000	01/20/46	10,485,490	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	10,485.49	10,655.88	(170.39)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	700,140	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	700.14	719.27	(19.13)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	1,255,320	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,255.32	1,289.61	(34.29)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	7,958,720	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	7,958.72	8,176.15	(217.43)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	4,709,550	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,709.55	4,838.21	(128.66)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	12,975,410	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	12,975.41	13,329.89	(354.48)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	14,355,010	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	14,355.01	14,747.18	(392.17)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	22,566,650	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	22,566.65	23,183.16	(616.51)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	34,216,620	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	34,216.62	35,151.40	(934.78)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	14,070,250	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	14,070.25	14,454.64	(384.39)	0.00
NHZ0	36179RZ51	GNMA II POOL MA3464	2.500	02/20/46	18,481,170	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	18,481.17	18,986.06	(504.89)	0.00
NHZ0	36225C6F8	GNMA II POOL 080869	1.000	04/20/34	777,900	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	777.90	802.73	(24.83)	235.32
NHZ0	36225C6F8	GNMA II POOL 080869	1.000	04/20/34	89,214,180	01/13/16	FEDERAL RESERVE BK NYC	0.00	92,531.83	92,061.90	469.93	0.00
NHZ0	36225CXJ0	GNMA II POOL 080680	1.000	03/20/33	772,600	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	772.60	792.59	(19.99)	457.68
NHZ0	36225CXJ0	GNMA II POOL 080680	1.000	03/20/33	173,919,000	01/13/16	BB&T SECURITIES, LLC	0.00	180,386.62	178,420.03	1,966.59	0.00
NHZ0	36225DAN4	GNMA II POOL 080912	3.250	05/20/34	357,720	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	357.72	371.48	(13.76)	429.56
NHZ0	36225DAN4	GNMA II POOL 080912	3.250	05/20/34	103,931,100	01/13/16	FEDERAL RESERVE BANK OF BOS	0.00	107,796.03	107,929.33	(133.30)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	5,394,910	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,394.91	5,627.48	(232.57)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	2,510,020	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	2,510.02	2,618.23	(108.21)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	4,718,040	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,718.04	4,921.43	(203.39)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	4,600,680	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,600.68	4,799.02	(198.34)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	4,819,130	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,819.13	5,026.88	(207.75)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	4,119,640	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,119.64	4,297.24	(177.60)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	4,539,410	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,539.41	4,735.10	(195.69)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	6,130,260	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,130.26	6,394.54	(264.28)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	5,849,420	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,849.42	6,101.59	(252.17)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	3,419,430	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,419.43	3,566.84	(147.41)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	4,216,990	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,216.99	4,398.78	(181.79)	0.00
NHZ0	36225E2M3	GNMA II POOL 082579	3.500	07/20/40	3,785,960	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,785.96	3,949.17	(163.21)	0.00
NHZ0	36225E4V1	GNMA II POOL 082635	3.000	09/20/40	432,910	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	432.91	447.42	(14.51)	477.73
NHZ0	36225E4V1	GNMA II POOL 082635	3.000	09/20/40	169,623,950	01/13/16	BB&T SECURITIES, LLC	0.00	175,931.84	175,308.05	623.79	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000	03/20/40	24,223,660	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	24,223.66	25,112.18	(888.52)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000	03/20/40	24,370,250	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	24,370.25	25,264.15	(893.90)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000	03/20/40	15,710,120	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	15,710.12	16,286.37	(576.25)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000	03/20/40	681,620	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	681.62	706.62	(25.00)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000	03/20/40	657,800	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	657.80	681.93	(24.13)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000	03/20/40	677,570	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	677.57	702.42	(24.85)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 3C
FIXED INCOME SECURITIES SOLD DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	MATURITY RATE DATE	PAR VALUE	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	INTEREST RECEIVED DURING YEAR
NHZ0	36225EYB2	GNMA II POOL 082505	4.000 03/20/40	19,713.110	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	19,713.11	20,436.19	(723.08)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000 03/20/40	632.470	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	632.47	655.67	(23.20)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000 03/20/40	636.070	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	636.07	659.40	(23.33)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000 03/20/40	637.540	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	637.54	660.92	(23.38)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000 03/20/40	638.970	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	638.97	662.41	(23.44)	0.00
NHZ0	36225EYB2	GNMA II POOL 082505	4.000 03/20/40	15,702.790	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	15,702.79	16,278.77	(575.98)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	8,322.400	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	8,322.40	8,614.60	(292.20)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,362.070	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,362.07	4,515.22	(153.15)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,713.230	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,713.23	4,878.71	(165.48)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	8,678.550	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	8,678.55	8,983.25	(304.70)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,714.150	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,714.15	4,879.66	(165.51)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,281.260	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,281.26	4,431.58	(150.32)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,549.000	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,549.00	4,708.72	(159.72)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,336.120	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,336.12	4,488.36	(152.24)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	3,773.350	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,773.35	3,905.83	(132.48)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	4,300.350	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	4,300.35	4,451.34	(150.99)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	5,141.790	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	5,141.79	5,322.32	(180.53)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	1,767.730	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,767.73	1,829.80	(62.07)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	3,145.320	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	3,145.32	3,147.85	(2.53)	395.62
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	146,391.490	01/13/16	BONY + VINNING SPARKS IBG L P	0.00	146,391.49	146,509.32	(385.39)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	6,469.680	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	6,469.68	6,551.12	(81.44)	314.79
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	74,653.020	01/13/16	FEDERAL RESERVE BANK OF BOS	0.00	75,061.28	75,592.74	(531.46)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	20,655.200	01/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	20,655.20	21,115.68	(460.48)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	15,764.520	02/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	15,764.52	16,115.97	(351.45)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	19,103.670	03/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	19,103.67	19,529.56	(425.89)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	53,867.530	04/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	53,867.53	55,068.43	(1,200.90)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	28,124.660	05/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	28,124.66	28,751.66	(627.00)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	35,492.140	06/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	35,492.14	36,283.39	(791.25)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	32,557.990	07/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	32,557.99	33,283.82	(725.83)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	31,919.580	08/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	31,919.58	32,631.18	(711.60)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	33,059.120	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	33,059.12	33,796.13	(737.01)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	35,695.200	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	35,695.20	36,490.97	(795.77)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	40,958.000	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	40,958.00	41,871.10	(913.10)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	27,648.990	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	27,648.99	28,265.39	(616.40)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	500,000.000	05/03/16	MORGAN STANLEY DW INC.	0.00	525,545.00	506,290.00	19,255.00	3,463.89
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	90,000.000	09/15/16	RAYMOND JAMES/IF	0.00	92,745.00	90,778.95	1,966.05	10,154.38
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	175,000.000	09/15/16	RAYMOND JAMES/IF	0.00	179,996.25	176,514.62	3,481.63	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	235,000.000	09/16/16	RAYMOND JAMES/IF	0.00	242,404.85	237,033.93	5,370.92	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	500,000.000	11/07/16	CALLED BONDS	0.00	500,000.00	500,371.75	(371.75)	15,433.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	375,000.000	09/15/16	RAYMOND JAMES/IF	0.00	472,132.50	489,136.00	2,996.50	12,252.40
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	525,000.000	02/23/16	J.P. MORGAN SECURITIES INC.	0.00	527,945.25	519,642.25	8,303.00	9,358.86
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	319.980	09/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	319.98	325.14	(5.16)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	2,696.460	10/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	2,696.46	2,739.96	(43.50)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	1,536.970	11/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	1,536.97	1,561.77	(24.80)	0.00
NHZ0	36225EYB2	GNMA II POOL 082736	2.500 02/20/41	2,555.360	12/01/16	PRINCIPAL PAYMENTS - MTG BACI	0.00	2,555.36	2,596.59	(41.23)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	47770VAZ3	JOBSONHO BEVERAGE SYS STWTD LI	4.532	01/01/35	235,000,000	05/06/16	RAYMOND JAMES/FI	0.00	267,218.50	265,100.20	2,118.30	3,996.98
NHZ0	47770VAZ3	JOBSONHO BEVERAGE SYS STWTD LI	4.532	01/01/35	20,000,000	08/30/16	RAYMOND JAMES/FI	0.00	23,670.60	23,284.00	386.60	0.00
NHZ0	524901AV7	LEGG MASON INC	4.750	03/15/26	500,000,000	06/27/16	RAYMOND JAMES/FI	0.00	528,335.00	503,200.00	25,135.00	6,465.28
NHZ0	525015AA1	LEHIGH UNIVERSITY	3.479	11/15/46	250,000,000	11/03/16	J.P. MORGAN SECURITIES INC.	0.00	235,742.50	250,000.00	(14,257.50)	773.11
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	250,000,000	01/06/16	RAYMOND JAMES/FI	0.00	303,787.50	300,952.50	2,835.00	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	225,000,000	01/11/16	RAYMOND JAMES/FI	0.00	273,267.00	270,857.25	2,409.75	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	85,000,000	04/28/16	RAYMOND JAMES/FI	0.00	107,342.25	106,210.05	1,132.20	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	115,000,000	05/24/16	RAYMOND JAMES/FI	0.00	148,399.45	143,695.95	4,703.50	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	200,000,000	09/13/16	RAYMOND JAMES/FI	0.00	266,298.00	269,228.45	(2,930.45)	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	110,000,000	09/20/16	RAYMOND JAMES/FI	0.00	146,313.20	148,075.65	(1,762.45)	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	110,000,000	10/26/16	RAYMOND JAMES/FI	0.00	144,359.60	144,300.20	59.40	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	5.750	07/01/34	175,000,000	11/29/16	RAYMOND JAMES/FI	0.00	219,308.25	227,878.50	(8,570.25)	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	380,000,000	01/11/16	RAYMOND JAMES/FI	0.00	505,327.80	500,695.60	4,632.20	0.00
NHZ0	544646XZ0	LOS ANGELES CA UNIF SCH DIST	6.758	07/01/34	200,000,000	06/17/16	RAYMOND JAMES/FI	0.00	286,098.00	276,963.00	9,135.00	0.00
NHZ0	5463986Q6	LOUISIANA ST PUBLIC FACS AUTHR	4.346	06/01/51	450,000,000	12/05/16	RAYMOND JAMES/FI	0.00	421,402.50	450,000.00	(28,597.50)	869.20
NHZ0	57582RJN7	MASSACHUSETTS ST	3.277	06/01/46	250,000,000	08/09/16	MORGAN STANLEY CO INCORPOR	0.00	260,695.00	250,000.00	10,695.00	796.49
NHZ0	57604P5P5	MASSACHUSETTS ST WTR POLL AB	5.192	08/01/40	100,000,000	07/20/16	RAYMOND JAMES/FI	0.00	121,032.00	115,371.00	5,661.00	5,105.47
NHZ0	592041WJ2	MET GOVT NASHVILLE DAVIDSONC	4.053	07/01/26	250,000,000	07/12/16	RAYMOND JAMES/FI	0.00	274,612.50	257,849.25	16,763.25	4,559.62
NHZ0	592041WJ2	MET GOVT NASHVILLE DAVIDSONC	4.053	07/01/26	250,000,000	07/20/16	RAYMOND JAMES/FI	0.00	273,510.00	257,849.25	15,660.75	0.00
NHZ0	594918BT0	MICROSOFT CORP	3.700	08/08/46	250,000,000	11/09/16	MORGAN STANLEY CO INCORPOR	0.00	240,467.50	252,360.00	(11,892.50)	0.00
NHZ0	60636VNU5	MISSOURI ST HIGHWAYS TRANSIT	5.445	05/01/33	250,000,000	04/12/16	RAYMOND JAMES/FI	0.00	310,095.00	294,197.50	15,897.50	6,201.25
NHZ0	606822AJ3	MITSUBISHI UFJ FIN GRP	2.757	09/13/26	250,000,000	11/15/16	MORGAN STANLEY CO INCORPOR	0.00	238,237.50	250,148.00	(11,910.50)	1,225.33
NHZ0	61761JVM8	MORGAN STANLEY	1.875	10/05/18	500,000,000	06/29/16	STIFEL NICOLAUS + CO INC	0.00	502,385.00	499,877.50	2,507.50	5,901.04
NHZ0	64966H4K3	NEW YORK CITY NY TRANSITIONAL	5.517	10/01/37	270,000,000	08/23/16	RAYMOND JAMES/FI	0.00	359,505.00	350,734.05	8,770.95	5,999.74
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	205,000,000	04/18/16	RAYMOND JAMES/FI	0.00	259,765.75	250,447.89	9,317.86	0.00
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	90,000,000	04/19/16	BB&T SECURITIES, LLC	0.00	113,829.30	109,952.73	3,876.57	0.00
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	50,000,000	04/28/16	RAYMOND JAMES/FI	0.00	62,539.50	61,084.85	1,454.65	0.00
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	310,000,000	05/10/16	RAYMOND JAMES/FI	0.00	393,836.40	378,726.08	15,110.32	0.00
NHZ0	64971M4P4	NEW YORK CITY NY TRANSITIONAL	5.508	08/01/37	90,000,000	09/20/16	RAYMOND JAMES/FI	0.00	118,182.60	119,749.50	(1,566.90)	0.00
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	120,000,000	03/11/16	RAYMOND JAMES/FI	0.00	150,417.60	146,061.30	4,356.30	21,219.26
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	200,000,000	03/17/16	RAYMOND JAMES/FI	0.00	251,054.00	243,435.50	7,618.50	0.00
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	60,000,000	08/04/16	RAYMOND JAMES/FI	0.00	80,062.80	79,744.57	318.23	0.00
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	65,000,000	11/14/16	RAYMOND JAMES/FI	0.00	80,336.75	85,859.20	(5,522.45)	0.00
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	45,000,000	12/05/16	RAYMOND JAMES/FI	0.00	54,845.55	59,440.99	(4,595.44)	0.00
NHZ0	64971M5L2	NEW YORK CITY NY TRANSITIONAL	5.572	11/01/38	295,000,000	12/06/16	RAYMOND JAMES/FI	0.00	358,784.90	389,668.69	(30,883.79)	0.00
NHZ0	649902E2E	NEW YORK ST DORM AUTH ST PER	5.289	03/15/33	350,000,000	02/02/16	RAYMOND JAMES/FI	0.00	417,739.00	410,236.00	7,503.00	7,198.92
NHZ0	67103HAE7	O REILLY AUTOMOTIVE INC	3.550	03/15/26	250,000,000	12/01/16	STIFEL NICOLAUS + CO INC	0.00	247,572.50	249,580.00	(2,007.50)	6,606.94
NHZ0	677632MV0	OHIO ST UNIV	4.910	06/01/40	175,000,000	09/13/16	MORGAN STANLEY CO INCORPOR	0.00	221,375.00	219,311.75	2,063.25	0.00
NHZ0	677632MV0	OHIO ST UNIV	4.910	06/01/40	70,000,000	12/19/16	RAYMOND JAMES/FI	0.00	79,422.00	87,724.70	(8,302.70)	0.00
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	300,000,000	05/05/16	RAYMOND JAMES/FI	0.00	400,119.00	389,240.63	10,878.37	0.00
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	120,000,000	06/17/16	RAYMOND JAMES/FI	0.00	162,765.60	155,696.25	7,069.35	0.00
NHZ0	68607DNL5	OREGON ST DEPT OF TRANSPRTN I	5.834	11/15/34	25,000,000	06/21/16	RAYMOND JAMES/FI	0.00	33,834.50	32,436.72	1,397.78	0.00
NHZ0	71708IDV2	PFIZER INC	2.750	06/03/26	250,000,000	08/02/16	MORGAN STANLEY CO INCORPOR	0.00	258,725.00	249,935.00	8,790.00	1,184.03
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JE	6.040	12/01/29	150,000,000	02/04/16	RAYMOND JAMES/FI	0.00	189,828.00	181,678.50	8,149.50	0.00
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JE	6.040	12/01/29	100,000,000	02/29/16	RAYMOND JAMES/FI	0.00	127,317.00	121,119.00	6,198.00	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	73358WAJ3	PORT AUTH OF NEW YORK NEW JF	6.040	12/01/29	07/26/16	RAYMOND JAMES/FI	0.00	741,702.50	706,423.00	35,279.50	0.00
NHZ0	73358WEK6	PORT AUTH OF NEW YORK NEW JF	4.926	10/01/51	11/10/16	RAYMOND JAMES/FI	0.00	429,708.75	482,408.75	(52,700.00)	11,494.00
NHZ0	754730AE9	RAYMOND JAMES FINANCIAL	3.625	09/15/26	08/29/16	RAYMOND JAMES/FI	0.00	152,578.50	149,761.50	2,817.00	740.10
NHZ0	75913MAA7	REGIONS BANK	6.450	06/26/37	01/08/16	STIFEL NICOLAUS + CO INC	0.00	537,709.50	523,665.00	14,044.50	1,370.63
NHZ0	780097BA8	ROYAL BK SCOTLND GRP PLC	4.800	04/05/26	06/24/16	STIFEL NICOLAUS + CO INC	0.00	256,535.00	249,547.50	6,987.50	2,800.00
NHZ0	80283LAH6	SANTANDER UK PLC	2.350	09/10/19	07/13/16	RAYMOND JAMES/FI	0.00	351,305.50	350,332.50	973.00	2,924.44
NHZ0	882722VP3	TEXAS ST	4.631	04/01/33	01/04/16	RAYMOND JAMES/FI	0.00	250,899.75	248,487.75	2,412.00	6,193.96
NHZ0	882722VP3	TEXAS ST	4.631	04/01/33	01/04/16	RAYMOND JAMES/FI	0.00	253,307.25	248,487.75	4,819.50	0.00
NHZ0	90351DAF4	UBS GROUP FUNDING	4.125	04/15/26	06/28/16	RAYMOND JAMES/FI	0.00	258,230.00	249,447.50	8,782.50	2,463.54
NHZ0	912796FV6	TREASURY BILL	0.010	02/04/16	01/06/16	FIRST TENNESSEE BANK, N.A.	0.00	1,999,677.50	1,999,845.20	(167.70)	0.00
NHZ0	912796FV6	TREASURY BILL	0.000	02/04/16	02/04/16	MATURITY	0.00	2,000,000.00	1,999,845.20	154.80	0.00
NHZ0	912796FV6	TREASURY BILL	0.010	02/04/16	02/04/16	MATURITY	0.00	4,000,000.00	3,999,690.40	309.60	0.00
NHZ0	912796FZ7	WM TREASURY SEC	0.000	03/03/16	02/09/16	FIRST TENNESSEE BANK N A BON	0.00	1,499,781.25	1,499,770.00	11.25	0.00
NHZ0	912796FZ7	WM TREASURY SEC	0.000	03/03/16	03/03/16	MATURITY	0.00	5,500,000.00	5,499,156.67	843.33	0.00
NHZ0	912796HK8	TREASURY BILL	0.000	04/07/16	03/29/16	FIRST TENNESSEE BANK N A BON	0.00	999,973.33	999,766.67	206.66	0.00
NHZ0	912796HK8	TREASURY BILL	0.000	04/07/16	04/01/16	FIRST TENNESSEE BANK N A BON	0.00	1,499,976.67	1,499,650.00	326.67	0.00
NHZ0	912796HK8	TREASURY BILL	0.000	04/07/16	04/07/16	MATURITY	0.00	7,000,000.00	6,998,366.66	1,633.34	0.00
NHZ0	912796HN2	TREASURY BILL	0.000	05/05/16	04/27/16	FIRST TENNESSEE BANK N A BON	0.00	999,972.78	999,864.44	108.34	0.00
NHZ0	912796HN2	TREASURY BILL	0.010	05/05/16	05/05/16	MATURITY	0.00	1,000,000.00	999,864.44	135.56	0.00
NHZ0	912796HN2	TREASURY BILL	0.000	05/05/16	05/05/16	MATURITY	0.00	6,000,000.00	5,999,186.67	813.33	0.00
NHZ0	912796HN2	TREASURY BILL	0.000	05/05/16	05/05/16	MATURITY	0.00	1,000,000.00	999,864.45	135.55	0.00
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	11/14/16	FIRST TENNESSEE BANK N A BON	0.00	3,997,920.00	3,996,886.35	1,033.65	0.00
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	11/22/16	FIRST TENNESSEE BANK N A BON	0.00	4,998,999.65	2,498,053.97	945.68	0.00
NHZ0	912796HV4	TREASURY BILL	0.010	01/05/17	11/23/16	FIRST TENNESSEE BANK N A BON	0.00	1,499,417.71	1,498,832.38	585.33	0.00
NHZ0	912796HV4	TREASURY BILL	0.000	01/05/17	12/27/16	FIRST TENNESSEE BANK BOND DI	0.00	1,499,897.92	1,499,630.00	267.92	0.00
NHZ0	912796HZ5	WM TREASURY SEC	0.000	07/07/16	05/26/16	FIRST TENNESSEE BANK BOND DI	0.00	1,999,635.56	1,999,443.03	192.53	0.00
NHZ0	912796HZ5	WM TREASURY SEC	0.000	07/07/16	06/03/16	FIRST TENNESSEE BANK N A BON	0.00	999,870.83	999,721.51	149.32	0.00
NHZ0	912796HZ5	WM TREASURY SEC	0.000	07/07/16	06/13/16	FIRST TENNESSEE BANK, N.A.	0.00	999,840.28	999,721.52	118.76	0.00
NHZ0	912796HZ5	WM TREASURY SEC	0.010	07/07/16	06/15/16	FIRST TENNESSEE BANK, N.A.	0.00	999,871.67	999,721.51	150.16	0.00
NHZ0	912796HZ5	WM TREASURY SEC	0.010	07/07/16	06/27/16	FIRST TENNESSEE BANK N A BON	0.00	499,962.50	499,860.76	101.74	0.00
NHZ0	912796JN0	WM TREASURY SEC	0.000	10/06/16	07/27/16	FIRST TENNESSEE BANK, N.A.	0.00	1,998,988.89	1,998,727.22	261.67	0.00
NHZ0	912796JN0	WM TREASURY SEC	0.000	10/06/16	08/12/16	FIRST TENNESSEE BANK BOND DI	0.00	2,998,916.67	2,998,471.00	445.67	0.00
NHZ0	912796JN0	WM TREASURY SEC	0.010	10/06/16	09/26/16	FIRST TENNESSEE BANK BOND DI	0.00	2,999,925.00	2,998,962.89	962.11	0.00
NHZ0	912796JN0	WM TREASURY SEC	0.010	10/06/16	10/06/16	MATURITY	0.00	2,000,000.00	1,999,308.60	691.40	0.00
NHZ0	912796JS9	WM TREASURY SEC	0.000	11/03/16	10/26/16	FIRST TENNESSEE BANK N A BON	0.00	999,970.42	999,828.89	141.53	0.00
NHZ0	912796JS9	WM TREASURY SEC	0.000	11/03/16	10/26/16	FIRST TENNESSEE BANK N A BON	0.00	2,000,000.00	1,999,657.78	342.22	0.00
NHZ0	912810RM2	US TREASURY N/B	3.000	05/15/45	11/03/16	MATURITY	0.00	302,390.63	298,629.00	3,761.63	11,233.51
NHZ0	912810RM2	US TREASURY N/B	3.000	05/15/45	02/18/16	FEDERAL RESERVE BANK OF BOS	0.00	318,984.38	298,629.00	20,355.38	0.00
NHZ0	912810RM2	US TREASURY N/B	3.000	05/15/45	06/29/16	ICBC FINANCIAL SERVICES LLC	0.00	463,812.50	398,172.00	65,640.50	0.00
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	01/21/16	OPTIONSXPRESS INC.	0.00	304,734.38	292,474.38	12,260.00	13,148.26
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	02/17/16	FEDERAL RESERVE BANK OF BOS	0.00	312,750.00	310,042.31	2,707.69	0.00
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	03/02/16	ICBCFS LLC	0.00	310,453.13	312,546.78	(2,093.65)	0.00
NHZ0	912810RN0	US TREASURY N/B	2.875	08/15/45	03/02/16	WELTON & CO INC	0.00	423,625.00	416,729.03	6,895.97	0.00
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	04/06/16	FIRST TENNESSEE BANK N A BON	0.00	333,796.88	303,866.93	29,929.95	37,817.75
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	02/11/16	ICBC FINANCIAL SERVICES LLC	0.00	324,562.50	303,866.93	20,695.57	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	500,000.000	05/02/16	FIRST TENNESSEE BANK N A BON	0.00	532,187.50	513,681.32	18,506.18	0.00
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	400,000.000	11/01/16	ICBCFS LLC	0.00	435,875.00	410,945.05	24,929.95	0.00
NHZ0	912810RP5	US TREASURY N/B	3.000	11/15/45	300,000.000	11/10/16	ICBC FINANCIAL SERVICES LLC	0.00	308,625.00	308,208.79	416.21	0.00
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	300,000.000	04/11/16	ICBC FINANCIAL SERVICES LLC	0.00	294,562.50	290,653.54	3,908.96	17,520.60
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	500,000.000	04/20/16	ICBCFS LLC	0.00	483,984.38	484,422.56	(438.18)	0.00
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	300,000.000	05/12/16	ICBCFS LLC	0.00	292,687.50	290,653.53	2,033.97	0.00
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	500,000.000	06/14/16	ICBC FINANCIAL SERVICES LLC	0.00	508,593.75	484,422.56	24,171.19	0.00
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	300,000.000	06/30/16	ICBC FINANCIAL SERVICES LLC	0.00	313,734.38	293,685.12	20,049.26	0.00
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	300,000.000	07/07/16	ICBC FINANCIAL SERVICES LLC	0.00	321,468.75	293,685.13	27,783.62	0.00
NHZ0	912810RQ3	US TREASURY N/B	2.500	02/15/46	200,000.000	07/12/16	ICBCFS LLC	0.00	212,312.50	195,790.08	16,522.42	0.00
NHZ0	912810RS9	US TREASURY N/B	2.500	05/15/46	200,000.000	05/19/16	PIPER JAFFRAY	0.00	193,125.00	194,062.50	(937.50)	0.00
NHZ0	912810RS9	US TREASURY N/B	2.500	05/15/46	300,000.000	10/06/16	ICBC FINANCIAL SERVICES LLC	0.00	303,328.13	311,665.18	(8,337.05)	0.00
NHZ0	912810RS9	US TREASURY N/B	2.500	05/15/46	200,000.000	12/15/16	FIRST TENNESSEE BANK BOND DI	0.00	174,000.00	207,776.79	(33,776.79)	0.00
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	400,000.000	10/04/16	FEDERAL RESERVE BANK OF BOS	0.00	387,500.00	386,875.00	625.00	0.00
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	300,000.000	11/09/16	FIRST TENNESSEE BANK BOND DI	0.00	289,437.50	290,156.25	(20,718.75)	0.00
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	300,000.000	11/10/16	FEDERAL RESERVE BANK OF BOS	0.00	260,343.75	290,156.25	(29,812.50)	0.00
NHZ0	912810RT7	US TREASURY N/B	2.250	08/15/46	400,000.000	12/02/16	FIRST TENNESSEE BANK BOND DI	0.00	337,138.59	386,875.00	(49,736.41)	0.00
NHZ0	912810RT7	US TREASURY N/B	1.500	08/15/26	700,000.000	10/12/16	FIRST TENNESSEE BANK BOND DI	0.00	389,500.00	393,609.38	(4,109.38)	4,858.69
NHZ0	912828A27	US TREASURY N/B	2.375	08/15/24	300,000.000	03/23/16	ICBC FINANCIAL SERVICES LLC	0.00	635,441.41	687,515.62	(52,074.21)	0.00
NHZ0	912828D56	US TREASURY N/B	2.000	08/15/25	300,000.000	01/19/16	FEDERAL RESERVE BANK OF BOS	0.00	298,453.13	292,512.00	5,941.13	4,384.62
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	500,000.000	03/08/16	ICBCFS LLC	0.00	503,750.00	487,520.00	16,230.00	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	600,000.000	03/15/16	ICBC FINANCIAL SERVICES LLC	0.00	602,812.50	585,024.00	17,788.50	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	300,000.000	03/29/16	ICBC FINANCIAL SERVICES LLC	0.00	304,921.88	292,512.00	12,409.88	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	500,000.000	05/03/16	FEDERAL RESERVE BANK OF BOS	0.00	509,843.75	487,520.00	22,323.75	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	400,000.000	05/05/16	FIRST TENNESSEE BANK N A BON	0.00	407,687.50	390,016.00	17,671.50	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	600,000.000	07/12/16	ICBCFS LLC	0.00	626,625.00	585,024.00	41,601.00	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	300,000.000	08/02/16	FIRST TENNESSEE BANK N A BON	0.00	312,187.50	292,512.00	19,675.50	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	200,000.000	12/01/16	FIRST TENNESSEE BANK BOND DI	0.00	193,343.75	195,008.00	(1,664.25)	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	300,000.000	12/19/16	FIRST TENNESSEE BANK BOND DI	0.00	287,625.00	292,512.00	(4,887.00)	0.00
NHZ0	912828K74	US TREASURY N/B	2.000	08/15/25	200,000.000	12/27/16	FIRST TENNESSEE BANK BOND DI	0.00	191,562.50	195,008.00	(3,445.50)	0.00
NHZ0	912828L57	US TREASURY N/B	1.750	09/30/22	500,000.000	03/08/16	ICBCFS LLC	0.00	504,648.44	490,080.00	14,568.44	3,872.95
NHZ0	912828L99	US TREASURY N/B	1.375	10/31/20	300,000.000	03/24/16	FEDERAL RESERVE BANK OF BOS	0.00	300,281.25	294,702.00	5,579.25	1,699.86
NHZ0	912828M49	US TREASURY N/B	1.875	10/31/22	800,000.000	03/04/16	ICBCFS LLC	0.00	812,812.50	789,872.00	22,940.50	5,315.93
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	500,000.000	05/17/16	FEDERAL RESERVE BANK OF BOS	0.00	521,015.63	507,282.48	13,733.15	50,727.17
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	200,000.000	05/24/16	FIRST TENNESSEE BANK, N.A.	0.00	206,562.50	202,912.99	3,649.51	0.00
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	800,000.000	07/07/16	FIRST TENNESSEE BANK N A BON	0.00	859,375.00	821,010.71	38,364.29	0.00
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	300,000.000	07/12/16	FEDERAL RESERVE BANK OF BOS	0.00	321,703.13	307,879.02	13,824.11	0.00
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	500,000.000	08/02/16	ICBCFS LLC	0.00	531,406.25	513,131.70	18,274.55	0.00
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	400,000.000	11/14/16	FIRST TENNESSEE BANK N A BON	0.00	400,937.50	410,505.36	(9,567.86)	0.00
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	100,000.000	12/01/16	FIRST TENNESSEE BANK BOND DI	0.00	98,625.00	102,626.34	(4,001.34)	0.00
NHZ0	912828M56	US TREASURY N/B	2.250	11/15/25	600,000.000	12/15/16	ICBC FINANCIAL SERVICES LLC	0.00	584,531.25	615,758.03	(31,226.78)	0.00
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	400,000.000	04/06/16	ICBCFS LLC	0.00	395,750.00	393,689.73	2,060.27	0.00
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	350,000.000	04/27/16	ICBC FINANCIAL SERVICES LLC	0.00	341,578.13	344,592.14	(3,014.01)	0.00
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	350,000.000	04/27/16	ICBC FINANCIAL SERVICES LLC	0.00	341,140.63	344,592.14	(3,451.51)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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>
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	500,000.000	08/19/16	FEDERAL RESERVE BANK OF BOS	0.00	501,093.75	492,274.49	8,819.26	0.00
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	500,000.000	10/18/16	FEDERAL RESERVE BANK OF BOS	0.00	494,062.50	492,274.49	1,788.01	0.00
NHZ0	912828P46	US TREASURY N/B	1.625	02/15/26	700,000.000	12/28/16	ICBC FINANCIAL SERVICES LLC	0.00	648,757.81	689,184.29	(40,426.48)	0.00
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	300,000.000	07/28/16	FEDERAL RESERVE BANK OF BOS	0.00	302,906.25	303,837.64	(931.39)	0.00
NHZ0	912828R36	US TREASURY N/B	1.625	05/15/26	500,000.000	08/05/16	ICBCFS LLC	0.00	504,218.75	506,396.06	(2,177.31)	0.00
NHZ0	912828WG1	US TREASURY N/B	2.250	04/30/21	500,000.000	02/23/16	ICBCFS LLC	0.00	523,750.00	509,920.00	13,830.00	5,210.85
NHZ0	912828WG1	US TREASURY N/B	2.250	04/30/21	200,000.000	03/04/16	ICBCFS LLC	0.00	208,187.50	203,968.00	4,219.50	0.00
NHZ0	912828WR7	US TREASURY N/B	2.125	06/30/21	1,000,000.000	04/21/16	ICBC FINANCIAL SERVICES LLC	0.00	1,035,625.00	1,012,580.00	23,045.00	10,940.25
NHZ0	912828WR7	US TREASURY N/B	2.125	06/30/21	600,000.000	04/27/16	ICBCFS LLC	0.00	621,656.25	621,937.50	(281.25)	0.00
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	500,000.000	02/17/16	ICBCFS LLC	0.00	513,437.50	495,794.53	17,642.97	0.00
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	500,000.000	05/03/16	ICBCFS LLC	0.00	515,156.25	495,794.53	19,361.72	0.00
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	300,000.000	05/09/16	FEDERAL RESERVE BANK OF BOS	0.00	310,078.13	297,476.72	12,601.41	0.00
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	300,000.000	06/15/16	FIRST TENNESSEE BANK, N.A.	0.00	313,781.25	297,476.72	16,304.53	0.00
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	900,000.000	07/05/16	ICBC FINANCIAL SERVICES LLC	0.00	957,656.25	892,430.16	65,226.09	0.00
NHZ0	912828XB1	US TREASURY N/B	2.125	05/15/25	400,000.000	12/01/16	FIRST TENNESSEE BANK BOND DI	0.00	391,750.00	396,635.62	(4,885.62)	0.00
NHZ0	91412GTG0	UNIV OF CALIFORNIA CA REVENUES	4.601	05/15/31	205,000.000	04/12/16	RAYMOND JAMES/FI	0.00	229,290.45	226,297.45	2,993.00	7,380.77
NHZ0	91412GTG0	UNIV OF CALIFORNIA CA REVENUES	4.601	05/15/31	200,000.000	09/27/16	RAYMOND JAMES/FI	0.00	234,538.00	234,782.00	(244.00)	0.00
NHZ0	915137X73	UNIV OF TEXAS TX	6.276	08/15/41	100,000.000	04/05/16	RAYMOND JAMES/FI	0.00	113,796.00	111,451.00	2,345.00	4,061.97
NHZ0	949746RW3	WELLS FARGO + COMPANY	3.000	04/22/26	400,000.000	11/15/16	J.P. MORGAN SECURITIES INC.	0.00	389,260.00	399,624.00	(10,364.00)	6,833.33
NHZ0	977100DR4	WISCONSIN ST GEN FUND ANNUAL	3.294	05/01/37	350,000.000	08/10/16	STIFEL NICOLAUS + CO INC	0.00	354,847.50	350,000.00	4,847.50	1,875.75
NHZ0	977100DR4	WISCONSIN ST GEN FUND ANNUAL	3.294	05/01/37	250,000.000	11/03/16	STIFEL NICOLAUS + CO INC	0.00	240,300.00	250,000.00	(9,700.00)	0.00
SCHEDULE TOTALS										119,951,038.71	728,426.50	532,065.84
TOTAL PROFIT											1,401,117.78	
TOTAL LOSS											672,691.28	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 4A						
EQUITIES OWNED AT END OF YEAR						
FUND	CUSIP	SECURITY DESCRIPTION	SHARES	PRICE PER SHARE	MARKET VALUE AT END OF YEAR	DIVIDENDS RECEIVED DURING YEAR
NHZ0	00206R102	AT+T INC	10,000.000	42.53000	425,300.00	15,613.10
NHZ0	00287Y109	ABBVIE INC	10,000.000	62.62000	626,200.00	6,266.57
NHZ0	00724F101	ADOBE SYSTEMS INC	12,500.000	102.95000	1,286,875.00	(6,794.56)
NHZ0	016255101	ALIGN TECHNOLOGY INC	14,000.000	96.13000	1,345,820.00	37,251.24
NHZ0	02079K305	ALPHABET INC CL A	2,800.000	792.45000	2,218,860.00	1,771.77
NHZ0	023135106	AMAZON.COM INC	2,200.000	749.87000	1,649,714.00	81,066.87
NHZ0	037833100	APPLE INC	7,000.000	115.82000	810,740.00	64,735.68
NHZ0	03852U106	ARAMARK	25,000.000	35.72000	893,000.00	(21,069.63)
NHZ0	049560105	ATMOS ENERGY CORP	8,500.000	74.15000	630,275.00	3,040.05
NHZ0	053484101	AVALONBAY COMMUNITIES INC	700.000	177.15000	124,005.00	(288.85)
NHZ0	064055100	BANK OF NEW YORK MELLON CORP	40,500.000	47.38000	1,918,890.00	(14,829.35)
NHZ0	067383109	CR BARD INC	4,000.000	224.66000	898,640.00	12,975.73
NHZ0	084670702	BERKSHIRE HATHAWAY INC CL B	17,500.000	162.98000	2,852,150.00	141,234.99
NHZ0	138098108	CANTEL MEDICAL CORP	13,500.000	78.75000	1,063,125.00	65,824.49
NHZ0	171340102	CHURCH + DWIGHT CO INC	18,500.000	44.19000	817,515.00	(8,772.40)
NHZ0	171779309	CIENA CORP	40,000.000	24.41000	976,400.00	84,831.25
NHZ0	172967424	CITIGROUP INC	43,500.000	59.43000	2,585,205.00	40,584.70
NHZ0	192422103	COGNEX CORP	52,900.000	63.62000	3,365,498.00	337,167.70
NHZ0	235851102	DANAHER CORP	18,000.000	77.84000	1,401,120.00	92,435.81
NHZ0	278865100	ECOLAB INC	4,700.000	117.22000	550,934.00	1,249.16
NHZ0	282539105	8POINTS ENERGY PARTNERS LP	30,000.000	12.98000	389,400.00	(48,548.00)
NHZ0	30303M102	FACEBOOK INC A	9,000.000	115.05000	1,035,450.00	(10,556.74)
NHZ0	34959J108	FORTIVE CORP	31,500.000	53.63000	1,689,345.00	62,473.64
NHZ0	458140100	INTEL CORP	20,000.000	36.27000	725,400.00	4,480.03
NHZ0	459200101	INTL BUSINESS MACHINES CORP	13,000.000	165.99000	2,157,870.00	155,191.47
NHZ0	464287234	ISHARES MSCI EMERGING MARKETS	7,500.000	35.01000	262,575.00	(15,456.49)
NHZ0	478160104	JOHNSON + JOHNSON	12,000.000	115.21000	1,382,520.00	42,805.43
NHZ0	550021109	LULULEMON ATHLETICA INC	7,000.000	64.99000	454,930.00	45,364.09
NHZ0	55306N104	MKS INSTRUMENTS INC	40,000.000	59.40000	2,376,000.00	253,725.82
NHZ0	574599106	MASCO CORP	22,500.000	31.62000	711,450.00	(2,921.32)
NHZ0	595017104	MICROCHIP TECHNOLOGY INC	25,500.000	64.15000	1,635,825.00	42,322.65
NHZ0	624758108	MUELLER WATER PRODUCTS INC A	25,000.000	13.31000	332,750.00	(9,134.50)
NHZ0	64125C109	NEUROCRINE BIOSCIENCES INC	20,000.000	38.70000	774,000.00	(357,400.00)
NHZ0	65339F101	NEXTERA ENERGY INC	5,500.000	119.46000	657,030.00	(12,285.44)
NHZ0	742718109	PROCTER + GAMBLE CO WHEN DIS	9,500.000	84.08000	798,760.00	(26,336.43)
NHZ0	747525103	QUALCOMM INC	15,000.000	65.20000	978,000.00	(28,625.00)
NHZ0	74834L100	QUEST DIAGNOSTICS INC	20,000.000	91.90000	1,838,000.00	316,759.64
NHZ0						29,040.00
NHZ0						26,106.00
NHZ0						0.00
NHZ0						0.00
NHZ0						0.00
NHZ0						0.00
NHZ0						18,360.00
NHZ0						4,605.50
NHZ0						18,441.00
NHZ0						16,875.00
NHZ0						936.00
NHZ0						0.00
NHZ0						2,196.00
NHZ0						18,690.75
NHZ0						0.00
NHZ0						200.00
NHZ0						2,775.00
NHZ0						11,521.00
NHZ0						12,250.00
NHZ0						0.00
NHZ0						0.00
NHZ0						2,065.00
NHZ0						10,140.00
NHZ0						39,340.00
NHZ0						5,943.12
NHZ0						34,800.00
NHZ0						0.00
NHZ0						6,375.00
NHZ0						11,625.50
NHZ0						10,810.00
NHZ0						0.00
NHZ0						0.00
NHZ0						23,490.00
NHZ0						10,377.25
NHZ0						7,950.00
NHZ0						24,994.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	25,000.000	125.83000	3,145,750.00	492,314.75	15,918.00
NHZ0	78462F103	SPDR S+P500 ETF TRUST	11,000.000	223.53000	2,458,830.00	109,359.80	0.00
NHZ0	78467Y107	SPDR S+P MIDCAP 400 ETF TRUST	7,500.000	301.73000	2,262,975.00	158,236.30	0.00
NHZ0	80105N113	SANOI AVENTIS RTS	8,000.000	0.38000	3,040.00	2,140.00	0.00
NHZ0	82669G104	SIGNATURE BANK	14,500.000	150.20000	2,177,900.00	1,735.50	0.00
NHZ0	831865209	SMITH (A.O.) CORP	34,000.000	47.35000	1,609,900.00	78,847.66	6,840.00
NHZ0	863667101	STRYKER CORP	6,500.000	119.81000	778,765.00	48,393.52	8,550.00
NHZ0	872590104	T MOBILE US INC	43,000.000	57.51000	2,472,930.00	140,962.57	0.00
NHZ0	883556102	THERMO FISHER SCIENTIFIC INC	2,500.000	141.10000	352,750.00	(10,629.48)	4,440.00
NHZ0	90384S303	ULTA BEAUTY INC	9,500.000	254.94000	2,421,930.00	117,704.82	0.00
NHZ0	92210H105	VANTIV INC CL A	27,500.000	59.62000	1,639,550.00	175,882.70	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	13,000.000	78.02000	1,014,260.00	(7,072.50)	8,616.50
NHZ0	Y09827109	BROADCOM LTD	8,000.000	176.77000	1,414,160.00	136,568.31	17,063.00
SCHEDULE TOTALS					66,392,311.00	2,790,597.12	411,333.62
TOTAL INCREASE						3,371,317.81	
TOTAL DECREASE						580,720.69	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 4B EQUITIES PURCHASED DURING YEAR							
FUND	CUSIP	SECURITY DESCRIPTION	TRADE		NAME OF BROKER	COMM	COST INCLUDING COMMISSION
			SHARES	DATE			
NH20	00206R102	AT+T INC	12,000.000	03/07/16	MORGAN STANLEY CO INCORPOR	720.00	458,276.40
NH20	00206R102	AT+T INC	1,200.000	03/15/16	J.P. MORGAN SECURITIES INC.	60.00	46,200.00
NH20	00206R102	AT+T INC	2,300.000	04/01/16	MORGAN STANLEY CO INCORPOR	138.00	89,836.85
NH20	00206R102	AT+T INC	1,500.000	06/14/16	INSTINET	60.00	60,720.00
NH20	00206R102	AT+T INC	2,000.000	06/20/16	INSTINET	80.00	81,710.40
NH20	00206R102	AT+T INC	3,500.000	06/23/16	BLOOMBERG TRADEBOOK LLC	105.00	146,333.25
NH20	00206R102	AT+T INC	5,000.000	06/28/16	INSTINET	200.00	210,512.50
NH20	00206R102	AT+T INC	5,000.000	06/30/16	MORGAN STANLEY CO INCORPOR	300.00	216,372.00
NH20	00206R102	AT+T INC	2,500.000	07/07/16	BLOOMBERG TRADEBOOK LLC	75.00	106,266.00
NH20	00206R102	AT+T INC	5,000.000	10/03/16	BLOOMBERG TRADEBOOK LLC	150.00	203,743.00
NH20	00287Y109	ABBVIE INC	5,000.000	01/21/16	MORGAN STANLEY CO INCORPOR	300.00	292,841.00
NH20	00287Y109	ABBVIE INC	2,500.000	02/03/16	J.P. MORGAN SECURITIES INC.	125.00	138,638.00
NH20	00287Y109	ABBVIE INC	700.000	04/12/16	J.P. MORGAN SECURITIES INC.	35.00	41,895.00
NH20	00287Y109	ABBVIE INC	800.000	04/14/16	J.P. MORGAN SECURITIES INC.	40.00	47,444.40
NH20	00287Y109	ABBVIE INC	700.000	04/22/16	J.P. MORGAN SECURITIES INC.	35.00	43,137.43
NH20	00287Y109	ABBVIE INC	1,500.000	05/05/16	INSTINET	60.00	91,977.00
NH20	00287Y109	ABBVIE INC	3,000.000	05/10/16	J.P. MORGAN SECURITIES INC.	150.00	190,681.80
NH20	00287Y109	ABBVIE INC	2,000.000	05/12/16	MORGAN STANLEY CO INCORPOR	120.00	125,329.80
NH20	00287Y109	ABBVIE INC	3,000.000	06/03/16	INSTINET	120.00	193,863.60
NH20	00287Y109	ABBVIE INC	2,800.000	07/27/16	J.P. MORGAN SECURITIES INC.	140.00	182,196.28
NH20	00287Y109	ABBVIE INC	2,300.000	08/04/16	MORGAN STANLEY CO INCORPOR	138.00	152,958.51
NH20	00287Y109	ABBVIE INC	1,000.000	10/05/16	MORGAN STANLEY CO INCORPOR	60.00	63,533.70
NH20	00724F101	ADOBE SYSTEMS INC	6,000.000	08/17/16	BLOOMBERG TRADEBOOK LLC	180.00	597,647.40
NH20	00724F101	ADOBE SYSTEMS INC	1,000.000	08/22/16	INSTINET	40.00	100,304.00
NH20	00724F101	ADOBE SYSTEMS INC	1,500.000	10/03/16	MORGAN STANLEY CO INCORPOR	90.00	162,671.10
NH20	00724F101	ADOBE SYSTEMS INC	1,200.000	10/05/16	J.P. MORGAN SECURITIES INC.	60.00	130,885.20
NH20	00724F101	ADOBE SYSTEMS INC	1,000.000	10/13/16	MORGAN STANLEY CO INCORPOR	60.00	107,723.70
NH20	00724F101	ADOBE SYSTEMS INC	1,800.000	10/26/16	J.P. MORGAN SECURITIES INC.	90.00	194,438.16
NH20	016255101	ALIGN TECHNOLOGY INC	7,000.000	08/17/16	BLOOMBERG TRADEBOOK LLC	210.00	649,698.70
NH20	016255101	ALIGN TECHNOLOGY INC	1,500.000	08/22/16	MORGAN STANLEY CO INCORPOR	90.00	141,966.00
NH20	016255101	ALIGN TECHNOLOGY INC	1,000.000	08/25/16	BLOOMBERG TRADEBOOK LLC	30.00	92,073.80
NH20	016255101	ALIGN TECHNOLOGY INC	1,500.000	10/03/16	INSTINET	60.00	136,097.70
NH20	016255101	ALIGN TECHNOLOGY INC	2,500.000	11/23/16	INSTINET	100.00	238,220.50
NH20	016255101	ALIGN TECHNOLOGY INC	1,500.000	11/28/16	INSTINET	60.00	143,099.40
NH20	016255101	ALIGN TECHNOLOGY INC	2,500.000	12/01/16	INSTINET	100.00	231,906.00
NH20	02079K305	ALPHABET INC CL A	200.000	02/22/16	INSTINET	8.00	146,411.66
NH20	02079K305	ALPHABET INC CL A	200.000	04/06/16	INSTINET	8.00	152,765.88

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST	
							INCLUDING	COMMISSION
NH20	02079K305	ALPHABET INC CL A	300.000	07/20/16	BLOOMBERG TRADEBOOK LLC	9.00	227,638.41	
NH20	02079K305	ALPHABET INC CL A	100.000	08/11/16	BLOOMBERG TRADEBOOK LLC	3.00	80,886.94	
NH20	02079K305	ALPHABET INC CL A	100.000	08/12/16	BLOOMBERG TRADEBOOK LLC	3.00	80,548.00	
NH20	02079K305	ALPHABET INC CL A	200.000	08/15/16	J.P. MORGAN SECURITIES INC.	10.00	161,508.24	
NH20	02079K305	ALPHABET INC CL A	600.000	10/26/16	MORGAN STANLEY CO INCORPOR	36.00	492,824.40	
NH20	02079K305	ALPHABET INC CL A	400.000	11/01/16	INSTINET	16.00	321,818.56	
NH20	02079K305	ALPHABET INC CL A	400.000	11/23/16	INSTINET	16.00	311,051.96	
NH20	023135106	AMAZON.COM INC	800.000	05/03/16	J.P. MORGAN SECURITIES INC.	40.00	540,227.12	
NH20	023135106	AMAZON.COM INC	200.000	05/05/16	INSTINET	8.00	133,649.24	
NH20	023135106	AMAZON.COM INC	500.000	05/10/16	J.P. MORGAN SECURITIES INC.	25.00	350,025.00	
NH20	023135106	AMAZON.COM INC	1,000.000	05/16/16	J.P. MORGAN SECURITIES INC.	50.00	711,452.30	
NH20	023135106	AMAZON.COM INC	500.000	06/07/16	MORGAN STANLEY CO INCORPOR	30.00	362,199.80	
NH20	023135106	AMAZON.COM INC	300.000	07/14/16	INSTINET	12.00	222,814.86	
NH20	023135106	AMAZON.COM INC	200.000	07/25/16	J.P. MORGAN SECURITIES INC.	10.00	147,539.14	
NH20	023135106	AMAZON.COM INC	200.000	10/26/16	INSTINET	8.00	164,738.30	
NH20	030420103	AMERICAN WATER WORKS CO INC	2,100.000	01/11/16	INSTINET	84.00	126,493.50	
NH20	030420103	AMERICAN WATER WORKS CO INC	3,400.000	02/04/16	INSTINET	136.00	218,796.80	
NH20	030420103	AMERICAN WATER WORKS CO INC	2,600.000	02/10/16	BLOOMBERG TRADEBOOK LLC	78.00	172,216.98	
NH20	030420103	AMERICAN WATER WORKS CO INC	3,000.000	03/07/16	MORGAN STANLEY CO INCORPOR	180.00	202,434.00	
NH20	030420103	AMERICAN WATER WORKS CO INC	3,400.000	03/15/16	MORGAN STANLEY CO INCORPOR	204.00	232,940.12	
NH20	031162100	AMGEN INC	3,000.000	10/18/16	INSTINET	120.00	490,002.60	
NH20	031162100	AMGEN INC	1,000.000	10/26/16	INSTINET	40.00	159,140.30	
NH20	037833100	APPLE INC	1,000.000	03/15/16	INSTINET	40.00	104,689.40	
NH20	037833100	APPLE INC	1,500.000	08/01/16	MORGAN STANLEY CO INCORPOR	90.00	158,773.80	
NH20	037833100	APPLE INC	1,500.000	08/02/16	J.P. MORGAN SECURITIES INC.	75.00	156,803.55	
NH20	037833100	APPLE INC	1,500.000	08/04/16	MORGAN STANLEY CO INCORPOR	90.00	158,844.75	
NH20	037833100	APPLE INC	1,500.000	09/19/16	MORGAN STANLEY CO INCORPOR	90.00	171,171.15	
NH20	03852U106	ARAMARK	16,000.000	07/27/16	BLOOMBERG TRADEBOOK LLC	480.00	579,390.40	
NH20	03852U106	ARAMARK	4,000.000	08/01/16	MORGAN STANLEY CO INCORPOR	240.00	144,325.20	
NH20	03852U106	ARAMARK	3,000.000	08/11/16	BLOOMBERG TRADEBOOK LLC	90.00	112,641.60	
NH20	03852U106	ARAMARK	2,000.000	08/15/16	J.P. MORGAN SECURITIES INC.	100.00	75,462.00	
NH20	03852U106	ARAMARK	2,500.000	08/25/16	BLOOMBERG TRADEBOOK LLC	75.00	93,988.25	
NH20	03852U106	ARAMARK	1,500.000	12/15/16	J.P. MORGAN SECURITIES INC.	75.00	54,561.45	
NH20	049560105	ATMOS ENERGY CORP	10,000.000	03/15/16	J.P. MORGAN SECURITIES INC.	500.00	717,498.00	
NH20	049560105	ATMOS ENERGY CORP	5,000.000	03/24/16	MORGAN STANLEY CO INCORPOR	300.00	362,712.00	
NH20	049560105	ATMOS ENERGY CORP	2,300.000	04/13/16	MORGAN STANLEY CO INCORPOR	138.00	169,886.28	
NH20	049560105	ATMOS ENERGY CORP	2,700.000	05/16/16	J.P. MORGAN SECURITIES INC.	135.00	202,252.95	

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
NH20	049560105	ATMOS ENERGY CORP	5,000.000	06/23/16	BLOOMBERG TRADEBOOK LLC	150.00	383,881.50
NH20	049560105	ATMOS ENERGY CORP	2,500.000	06/28/16	J.P. MORGAN SECURITIES INC.	125.00	195,407.00
NH20	049560105	ATMOS ENERGY CORP	2,500.000	10/03/16	BLOOMBERG TRADEBOOK LLC	75.00	183,797.75
NH20	053484101	AVALONBAY COMMUNITIES INC	6,000.000	06/20/16	BLOOMBERG TRADEBOOK LLC	180.00	1,049,827.20
NH20	053484101	AVALONBAY COMMUNITIES INC	2,000.000	06/28/16	MORGAN STANLEY CO INCORPOR	120.00	354,517.60
NH20	053484101	AVALONBAY COMMUNITIES INC	800.000	07/14/16	INSTINET	32.00	148,879.92
NH20	053484101	AVALONBAY COMMUNITIES INC	800.000	07/27/16	J.P. MORGAN SECURITIES INC.	40.00	143,838.64
NH20	053484101	AVALONBAY COMMUNITIES INC	900.000	08/02/16	INSTINET	36.00	167,344.38
NH20	064058100	BANK OF NEW YORK MELLON CORP	12,500.000	11/18/16	MORGAN STANLEY CO INCORPOR	750.00	594,093.75
NH20	064058100	BANK OF NEW YORK MELLON CORP	1,500.000	11/21/16	BLOOMBERG TRADEBOOK LLC	45.00	71,292.90
NH20	064058100	BANK OF NEW YORK MELLON CORP	2,000.000	11/22/16	J.P. MORGAN SECURITIES INC.	100.00	94,400.00
NH20	064058100	BANK OF NEW YORK MELLON CORP	1,500.000	11/23/16	MORGAN STANLEY CO INCORPOR	90.00	71,253.00
NH20	064058100	BANK OF NEW YORK MELLON CORP	3,500.000	11/28/16	INSTINET	140.00	165,006.10
NH20	064058100	BANK OF NEW YORK MELLON CORP	5,000.000	12/01/16	MORGAN STANLEY CO INCORPOR	300.00	242,592.50
NH20	064058100	BANK OF NEW YORK MELLON CORP	2,500.000	12/08/16	MORGAN STANLEY CO INCORPOR	150.00	122,195.00
NH20	064058100	BANK OF NEW YORK MELLON CORP	7,000.000	12/22/16	J.P. MORGAN SECURITIES INC.	350.00	333,503.10
NH20	064058100	BANK OF NEW YORK MELLON CORP	5,000.000	12/27/16	MORGAN STANLEY CO INCORPOR	300.00	239,383.00
NH20	067383109	CR BARD INC	1,500.000	08/17/16	BLOOMBERG TRADEBOOK LLC	45.00	326,861.70
NH20	067383109	CR BARD INC	500.000	08/24/16	J.P. MORGAN SECURITIES INC.	25.00	108,651.15
NH20	067383109	CR BARD INC	500.000	09/19/16	J.P. MORGAN SECURITIES INC.	25.00	113,725.00
NH20	067383109	CR BARD INC	500.000	09/22/16	BLOOMBERG TRADEBOOK LLC	15.00	115,082.90
NH20	067383109	CR BARD INC	600.000	10/19/16	MORGAN STANLEY CO INCORPOR	36.00	132,915.24
NH20	067383109	CR BARD INC	400.000	11/09/16	MORGAN STANLEY CO INCORPOR	24.00	88,428.28
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	4,200.000	08/18/16	BLOOMBERG TRADEBOOK LLC	126.00	624,760.50
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	400.000	10/06/16	MORGAN STANLEY CO INCORPOR	24.00	57,519.36
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	500.000	10/13/16	MORGAN STANLEY CO INCORPOR	30.00	71,571.80
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	900.000	11/01/16	INSTINET	36.00	129,257.10
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	1,000.000	11/08/16	INSTINET	40.00	147,640.50
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	1,500.000	11/15/16	MORGAN STANLEY CO INCORPOR	90.00	235,463.55
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	1,000.000	11/21/16	INSTINET	40.00	158,516.80
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	2,000.000	11/28/16	INSTINET	80.00	315,079.00
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	4,000.000	12/01/16	J.P. MORGAN SECURITIES INC.	200.00	639,943.20
NH20	084670702	BERKSHIRE HATHAWAY INC CL B	2,000.000	12/22/16	J.P. MORGAN SECURITIES INC.	100.00	331,163.20
NH20	109194100	BRIGHT HORIZONS FAMILY SOLUT	700.000	06/23/16	BLOOMBERG TRADEBOOK LLC	21.00	46,150.02
NH20	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,000.000	07/27/16	J.P. MORGAN SECURITIES INC.	50.00	67,518.30
NH20	110122108	BRISTOL MYERS SQUIBB CO	1,400.000	05/03/16	J.P. MORGAN SECURITIES INC.	70.00	99,981.14
NH20	110122108	BRISTOL MYERS SQUIBB CO	3,100.000	05/18/16	BLOOMBERG TRADEBOOK LLC	93.00	221,477.64

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

SCHEDULE 4B
EQUITIES PURCHASED 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>COST INCLUDING COMMISSION</u>
NHZO	110122108	BRISTOL MYERS SQUIBB CO	2,000.000	06/03/16	INSTINET	80.00	146,302.60
NHZO	110122108	BRISTOL MYERS SQUIBB CO	2,000.000	06/10/16	MORGAN STANLEY CO INCORPOR	120.00	145,200.80
NHZO	110122108	BRISTOL MYERS SQUIBB CO	3,500.000	06/28/16	INSTINET	140.00	250,684.35
NHZO	110122108	BRISTOL MYERS SQUIBB CO	5,000.000	07/27/16	J.P. MORGAN SECURITIES INC.	250.00	383,842.00
NHZO	125269100	CF INDUSTRIES HOLDINGS INC	3,700.000	04/25/16	MORGAN STANLEY CO INCORPOR	222.00	123,538.93
NHZO	125269100	CF INDUSTRIES HOLDINGS INC	400.000	04/26/16	INSTINET	16.00	13,424.64
NHZO	125269100	CF INDUSTRIES HOLDINGS INC	2,000.000	04/27/16	J.P. MORGAN SECURITIES INC.	100.00	67,156.60
NHZO	125269100	CF INDUSTRIES HOLDINGS INC	5,900.000	04/28/16	BLOOMBERG TRADEBOOK LLC	177.00	206,513.57
NHZO	125269100	CF INDUSTRIES HOLDINGS INC	2,500.000	05/05/16	BLOOMBERG TRADEBOOK LLC	75.00	78,204.00
NHZO	126650100	CVS HEALTH CORP	2,300.000	04/01/16	J.P. MORGAN SECURITIES INC.	115.00	241,378.79
NHZO	138098108	CANTEL MEDICAL CORP	2,500.000	02/25/16	J.P. MORGAN SECURITIES INC.	125.00	156,394.00
NHZO	138098108	CANTEL MEDICAL CORP	2,400.000	03/01/16	BLOOMBERG TRADEBOOK LLC	72.00	156,659.52
NHZO	138098108	CANTEL MEDICAL CORP	3,000.000	03/15/16	J.P. MORGAN SECURITIES INC.	150.00	215,740.20
NHZO	138098108	CANTEL MEDICAL CORP	2,500.000	06/10/16	J.P. MORGAN SECURITIES INC.	125.00	183,495.00
NHZO	138098108	CANTEL MEDICAL CORP	2,000.000	08/22/16	J.P. MORGAN SECURITIES INC.	100.00	145,533.20
NHZO	138098108	CANTEL MEDICAL CORP	1,500.000	09/22/16	BLOOMBERG TRADEBOOK LLC	45.00	121,947.00
NHZO	138098108	CANTEL MEDICAL CORP	2,000.000	10/03/16	MORGAN STANLEY CO INCORPOR	120.00	156,343.60
NHZO	138098108	CANTEL MEDICAL CORP	1,500.000	11/21/16	INSTINET	60.00	120,774.60
NHZO	138098108	CANTEL MEDICAL CORP	1,000.000	11/23/16	J.P. MORGAN SECURITIES INC.	50.00	80,666.90
NHZO	138098108	CANTEL MEDICAL CORP	2,500.000	11/28/16	INSTINET	100.00	202,647.75
NHZO	171340102	CHURCH + DWIGHT CO INC	1,300.000	02/10/16	BLOOMBERG TRADEBOOK LLC	39.00	115,206.91
NHZO	171340102	CHURCH + DWIGHT CO INC	1,500.000	02/25/16	BLOOMBERG TRADEBOOK LLC	45.00	137,293.50
NHZO	171340102	CHURCH + DWIGHT CO INC	1,600.000	05/03/16	BLOOMBERG TRADEBOOK LLC	48.00	150,249.76
NHZO	171340102	CHURCH + DWIGHT CO INC	2,000.000	05/25/16	MORGAN STANLEY CO INCORPOR	120.00	194,695.60
NHZO	171340102	CHURCH + DWIGHT CO INC	3,000.000	06/28/16	INSTINET	120.00	298,290.30
NHZO	171779309	CIENA CORP	30,000.000	07/27/16	BLOOMBERG TRADEBOOK LLC	900.00	612,585.00
NHZO	171779309	CIENA CORP	3,000.000	08/03/16	MORGAN STANLEY CO INCORPOR	180.00	58,550.10
NHZO	171779309	CIENA CORP	3,000.000	08/11/16	BLOOMBERG TRADEBOOK LLC	90.00	61,674.00
NHZO	171779309	CIENA CORP	3,500.000	08/15/16	J.P. MORGAN SECURITIES INC.	175.00	75,235.65
NHZO	171779309	CIENA CORP	10,500.000	11/15/16	J.P. MORGAN SECURITIES INC.	525.00	238,340.55
NHZO	171779309	CIENA CORP	7,500.000	11/28/16	INSTINET	300.00	161,726.25
NHZO	171779309	CIENA CORP	10,000.000	12/22/16	J.P. MORGAN SECURITIES INC.	500.00	246,020.00
NHZO	172967424	CITIGROUP INC	2,500.000	04/25/16	J.P. MORGAN SECURITIES INC.	125.00	116,600.00
NHZO	172967424	CITIGROUP INC	300.000	04/26/16	INSTINET	12.00	14,101.23
NHZO	172967424	CITIGROUP INC	1,200.000	04/27/16	J.P. MORGAN SECURITIES INC.	60.00	56,496.00
NHZO	172967424	CITIGROUP INC	4,000.000	04/28/16	BLOOMBERG TRADEBOOK LLC	120.00	189,225.20
NHZO	172967424	CITIGROUP INC	2,000.000	05/03/16	J.P. MORGAN SECURITIES INC.	100.00	90,997.20

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
NH20	172967424	CITIGROUP INC	1,500.000	05/05/16	INSTINET	60.00	67,355.85
NH20	172967424	CITIGROUP INC	10,500.000	11/18/16	MORGAN STANLEY CO INCORPOR	630.00	583,588.95
NH20	172967424	CITIGROUP INC	1,000.000	11/21/16	BLOOMBERG TRADEBOOK LLC	30.00	55,521.50
NH20	172967424	CITIGROUP INC	1,500.000	11/22/16	J.P. MORGAN SECURITIES INC.	75.00	83,880.00
NH20	172967424	CITIGROUP INC	1,500.000	11/23/16	MORGAN STANLEY CO INCORPOR	90.00	84,820.80
NH20	172967424	CITIGROUP INC	3,500.000	12/01/16	MORGAN STANLEY CO INCORPOR	210.00	200,006.80
NH20	172967424	CITIGROUP INC	2,500.000	12/05/16	MORGAN STANLEY CO INCORPOR	150.00	143,135.25
NH20	172967424	CITIGROUP INC	3,000.000	12/08/16	MORGAN STANLEY CO INCORPOR	180.00	178,544.70
NH20	172967424	CITIGROUP INC	4,500.000	12/15/16	J.P. MORGAN SECURITIES INC.	225.00	271,751.40
NH20	172967424	CITIGROUP INC	9,500.000	12/22/16	MORGAN STANLEY CO INCORPOR	570.00	575,424.50
NH20	172967424	CITIGROUP INC	6,000.000	12/27/16	MORGAN STANLEY CO INCORPOR	360.00	367,946.40
NH20	172967424	COGNEX CORP	10,000.000	10/18/16	INSTINET	400.00	523,616.00
NH20	192422103	COGNEX CORP	2,000.000	10/19/16	MORGAN STANLEY CO INCORPOR	120.00	105,901.20
NH20	192422103	COGNEX CORP	3,000.000	10/20/16	INSTINET	120.00	160,040.40
NH20	192422103	COGNEX CORP	5,000.000	10/26/16	J.P. MORGAN SECURITIES INC.	250.00	266,169.00
NH20	192422103	COGNEX CORP	4,000.000	11/01/16	BLOOMBERG TRADEBOOK LLC	120.00	206,440.00
NH20	192422103	COGNEX CORP	2,500.000	11/08/16	INSTINET	100.00	138,139.25
NH20	192422103	COGNEX CORP	2,500.000	11/21/16	BLOOMBERG TRADEBOOK LLC	75.00	148,150.75
NH20	192422103	COGNEX CORP	3,000.000	11/22/16	INSTINET	120.00	181,767.00
NH20	192422103	COGNEX CORP	5,000.000	11/28/16	INSTINET	200.00	300,153.00
NH20	192422103	COGNEX CORP	5,500.000	12/01/16	J.P. MORGAN SECURITIES INC.	275.00	324,054.50
NH20	192422103	COGNEX CORP	4,000.000	12/22/16	MORGAN STANLEY CO INCORPOR	240.00	260,520.00
NH20	192422103	COGNEX CORP	6,400.000	12/27/16	INSTINET	256.00	413,379.20
NH20	22822V101	CROWN CASTLE INTL CORP	2,300.000	03/01/16	BLOOMBERG TRADEBOOK LLC	69.00	200,840.83
NH20	22822V101	CROWN CASTLE INTL CORP	1,500.000	04/14/16	MORGAN STANLEY CO INCORPOR	90.00	131,100.90
NH20	22822V101	CROWN CASTLE INTL CORP	2,500.000	05/12/16	J.P. MORGAN SECURITIES INC.	125.00	226,471.75
NH20	22822V101	CROWN CASTLE INTL CORP	2,000.000	05/18/16	BLOOMBERG TRADEBOOK LLC	60.00	181,427.40
NH20	22822V101	CROWN CASTLE INTL CORP	3,000.000	05/25/16	MORGAN STANLEY CO INCORPOR	180.00	273,493.50
NH20	22822V101	CROWN CASTLE INTL CORP	2,500.000	06/07/16	J.P. MORGAN SECURITIES INC.	125.00	235,751.00
NH20	22822V101	CROWN CASTLE INTL CORP	3,500.000	06/28/16	INSTINET	140.00	345,257.50
NH20	22822V101	CROWN CASTLE INTL CORP	3,000.000	11/01/16	BLOOMBERG TRADEBOOK LLC	90.00	268,910.10
NH20	235851102	DANAHER CORP	1,700.000	02/22/16	INSTINET	68.00	149,399.74
NH20	235851102	DANAHER CORP	3,000.000	05/16/16	J.P. MORGAN SECURITIES INC.	150.00	296,370.00
NH20	235851102	DANAHER CORP	1,900.000	05/18/16	INSTINET	76.00	187,016.24
NH20	235851102	DANAHER CORP	3,000.000	05/25/16	J.P. MORGAN SECURITIES INC.	150.00	300,423.00
NH20	235851102	DANAHER CORP	2,000.000	08/12/16	INSTINET	80.00	162,639.40
NH20	249030107	DENTSPLY INTERNATIONAL INC	3,000.000	02/22/16	INSTINET	120.00	170,435.40

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NH20	24906P109	DENTSPLY SIRONA INC	32,800.000	03/01/16	MERGER NON CASH	0.00	1,983,765.40
NH20	24906P109	DENTSPLY SIRONA INC	900.000	05/10/16	BLOOMBERG TRADEBOOK LLC	27.00	55,042.56
NH20	24906P109	DENTSPLY SIRONA INC	1,500.000	06/10/16	MORGAN STANLEY CO INCORPOR	90.00	96,033.30
NH20	24906P109	DENTSPLY SIRONA INC	2,500.000	06/14/16	INSTINET	100.00	160,684.50
NH20	24906P109	DENTSPLY SIRONA INC	3,500.000	06/23/16	BLOOMBERG TRADEBOOK LLC	105.00	224,457.80
NH20	278865100	ECOLAB INC	800.000	05/05/16	BLOOMBERG TRADEBOOK LLC	24.00	92,421.68
NH20	278865100	ECOLAB INC	1,200.000	05/10/16	INSTINET	48.00	140,411.04
NH20	278865100	ECOLAB INC	1,000.000	05/12/16	MORGAN STANLEY CO INCORPOR	60.00	117,168.70
NH20	278865100	ECOLAB INC	1,000.000	05/31/16	INSTINET	40.00	116,983.70
NH20	278865100	ECOLAB INC	1,500.000	06/07/16	MORGAN STANLEY CO INCORPOR	90.00	180,899.25
NH20	278865100	ECOLAB INC	1,200.000	06/10/16	MORGAN STANLEY CO INCORPOR	72.00	144,300.36
NH20	278865100	ECOLAB INC	2,000.000	06/20/16	BLOOMBERG TRADEBOOK LLC	60.00	239,475.20
NH20	282539105	8POINT3 ENERGY PARTNERS LP	16,000.000	11/04/16	J.P. MORGAN SECURITIES INC.	800.00	241,080.00
NH20	282539105	8POINT3 ENERGY PARTNERS LP	8,000.000	11/08/16	J.P. MORGAN SECURITIES INC.	400.00	117,572.00
NH20	282539105	8POINT3 ENERGY PARTNERS LP	6,000.000	11/15/16	MORGAN STANLEY CO INCORPOR	360.00	79,296.00
NH20	30303M102	FACEBOOK INC A	1,300.000	04/01/16	J.P. MORGAN SECURITIES INC.	65.00	151,021.00
NH20	30303M102	FACEBOOK INC A	1,200.000	05/03/16	MORGAN STANLEY CO INCORPOR	72.00	141,288.84
NH20	30303M102	FACEBOOK INC A	1,500.000	05/31/16	MORGAN STANLEY CO INCORPOR	90.00	177,726.00
NH20	30303M102	FACEBOOK INC A	1,000.000	07/21/16	MORGAN STANLEY CO INCORPOR	60.00	120,620.00
NH20	30303M102	FACEBOOK INC A	1,000.000	08/01/16	MORGAN STANLEY CO INCORPOR	60.00	124,204.40
NH20	30303M102	FACEBOOK INC A	1,500.000	10/03/16	MORGAN STANLEY CO INCORPOR	90.00	192,346.35
NH20	30303M102	FACEBOOK INC A	2,000.000	10/05/16	MORGAN STANLEY CO INCORPOR	120.00	256,549.00
NH20	30303M102	FACEBOOK INC A	1,500.000	10/26/16	MORGAN STANLEY CO INCORPOR	90.00	196,845.30
NH20	34959J108	FORTIVE CORP	2,200.000	07/14/16	INSTINET	88.00	111,236.40
NH20	34959J108	FORTIVE CORP	2,000.000	08/15/16	MORGAN STANLEY CO INCORPOR	120.00	107,287.00
NH20	34959J108	FORTIVE CORP	3,800.000	11/01/16	BLOOMBERG TRADEBOOK LLC	114.00	191,928.50
NH20	34959J108	FORTIVE CORP	3,500.000	11/14/16	MORGAN STANLEY CO INCORPOR	210.00	188,510.00
NH20	34959J108	FORTIVE CORP	6,000.000	12/01/16	J.P. MORGAN SECURITIES INC.	300.00	325,677.00
NH20	34959J108	FORTIVE CORP	8,000.000	12/22/16	INSTINET	320.00	432,868.00
NH20	384109104	GRACO INC	5,500.000	03/07/16	J.P. MORGAN SECURITIES INC.	275.00	451,348.70
NH20	384109104	GRACO INC	500.000	03/15/16	MORGAN STANLEY CO INCORPOR	30.00	40,270.00
NH20	384109104	GRACO INC	1,500.000	03/24/16	MORGAN STANLEY CO INCORPOR	90.00	123,504.30
NH20	384109104	GRACO INC	2,500.000	04/01/16	MORGAN STANLEY CO INCORPOR	150.00	215,693.00
NH20	384109104	GRACO INC	7,000.000	02/18/16	J.P. MORGAN SECURITIES INC.	0.00	181,440.00
NH20	404280802	HSBC HOLDINGS PLC	1,500.000	02/22/16	J.P. MORGAN SECURITIES INC.	75.00	39,212.10
NH20	404280802	HSBC HOLDINGS PLC	3,000.000	02/26/16	J.P. MORGAN SECURITIES INC.	150.00	77,118.30
NH20	404280802	HSBC HOLDINGS PLC	3,500.000	02/29/16	J.P. MORGAN SECURITIES INC.	175.00	90,253.80

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							INCLUDING	COMMISSION
NH20	404280802	HSBC HOLDINGS PLC	2,500.000	03/01/16	J.P. MORGAN SECURITIES INC.	125.00	64,722.50	
NH20	404280802	HSBC HOLDINGS PLC	3,500.000	03/07/16	J.P. MORGAN SECURITIES INC.	175.00	90,722.10	
NH20	456837202	ING GROEP NV	7,000.000	02/18/16	J.P. MORGAN SECURITIES INC.	0.00	180,810.00	
NH20	456837202	ING GROEP NV	1,500.000	02/22/16	J.P. MORGAN SECURITIES INC.	75.00	39,077.55	
NH20	456837202	ING GROEP NV	3,000.000	02/26/16	J.P. MORGAN SECURITIES INC.	150.00	77,842.20	
NH20	456837202	ING GROEP NV	1,500.000	02/29/16	J.P. MORGAN SECURITIES INC.	75.00	39,010.80	
NH20	456837202	ING GROEP NV	2,000.000	03/01/16	J.P. MORGAN SECURITIES INC.	100.00	52,545.80	
NH20	456837202	ING GROEP NV	2,500.000	03/02/16	J.P. MORGAN SECURITIES INC.	125.00	65,601.00	
NH20	456837202	ING GROEP NV	1,800.000	03/07/16	J.P. MORGAN SECURITIES INC.	90.00	47,080.26	
NH20	456837202	ING GROEP NV	1,700.000	03/08/16	J.P. MORGAN SECURITIES INC.	85.00	44,535.75	
NH20	456837202	ING GROEP NV	3,000.000	06/20/16	J.P. MORGAN SECURITIES INC.	150.00	79,583.70	
NH20	456837202	ING GROEP NV	6,000.000	06/23/16	J.P. MORGAN SECURITIES INC.	300.00	158,928.00	
NH20	458140100	INTEL CORP	17,000.000	07/27/16	BLOOMBERG TRADEBOOK LLC	510.00	592,314.00	
NH20	458140100	INTEL CORP	1,500.000	08/11/16	INSTINET	60.00	51,929.70	
NH20	458140100	INTEL CORP	3,500.000	09/19/16	MORGAN STANLEY CO INCORPOR	210.00	130,899.65	
NH20	458140100	INTEL CORP	2,000.000	09/22/16	BLOOMBERG TRADEBOOK LLC	60.00	74,992.60	
NH20	458140100	INTEL CORP	8,000.000	10/03/16	INSTINET	320.00	303,336.00	
NH20	459200101	INTL BUSINESS MACHINES CORP	1,600.000	02/29/16	BLOOMBERG TRADEBOOK LLC	48.00	213,331.68	
NH20	459200101	INTL BUSINESS MACHINES CORP	1,600.000	03/01/16	INSTINET	64.00	214,882.56	
NH20	459200101	INTL BUSINESS MACHINES CORP	800.000	03/03/16	MORGAN STANLEY CO INCORPOR	48.00	109,910.56	
NH20	459200101	INTL BUSINESS MACHINES CORP	600.000	03/15/16	J.P. MORGAN SECURITIES INC.	30.00	85,722.96	
NH20	459200101	INTL BUSINESS MACHINES CORP	500.000	04/01/16	J.P. MORGAN SECURITIES INC.	25.00	76,248.50	
NH20	459200101	INTL BUSINESS MACHINES CORP	500.000	05/31/16	J.P. MORGAN SECURITIES INC.	25.00	76,333.95	
NH20	459200101	INTL BUSINESS MACHINES CORP	500.000	06/20/16	MORGAN STANLEY CO INCORPOR	30.00	76,921.00	
NH20	459200101	INTL BUSINESS MACHINES CORP	1,400.000	07/20/16	BLOOMBERG TRADEBOOK LLC	42.00	225,078.14	
NH20	459200101	INTL BUSINESS MACHINES CORP	800.000	07/21/16	MORGAN STANLEY CO INCORPOR	48.00	128,440.48	
NH20	459200101	INTL BUSINESS MACHINES CORP	1,700.000	07/25/16	J.P. MORGAN SECURITIES INC.	85.00	275,782.67	
NH20	459200101	INTL BUSINESS MACHINES CORP	1,500.000	08/02/16	J.P. MORGAN SECURITIES INC.	75.00	241,815.45	
NH20	459200101	INTL BUSINESS MACHINES CORP	1,000.000	08/04/16	MORGAN STANLEY CO INCORPOR	60.00	161,180.90	
NH20	459200101	INTL BUSINESS MACHINES CORP	2,500.000	12/22/16	INSTINET	100.00	418,733.50	
NH20	464287234	ISHARES MSCI EMERGING MARKETS	16,000.000	08/29/16	INSTINET	640.00	592,478.40	
NH20	464287234	ISHARES MSCI EMERGING MARKETS	1,800.000	10/26/16	J.P. MORGAN SECURITIES INC.	90.00	67,383.00	
NH20	464287655	ISHARES RUSSELL 2000 ETF	2,500.000	11/28/16	MORGAN STANLEY CO INCORPOR	150.00	333,323.25	
NH20	477143101	JETBLUE AIRWAYS CORP	3,400.000	02/25/16	BLOOMBERG TRADEBOOK LLC	102.00	78,977.92	
NH20	477143101	JETBLUE AIRWAYS CORP	3,800.000	03/01/16	INSTINET	152.00	85,576.76	
NH20	478160104	JOHNSON + JOHNSON	8,000.000	03/07/16	MORGAN STANLEY CO INCORPOR	480.00	853,506.40	
NH20	478160104	JOHNSON + JOHNSON	1,200.000	04/13/16	MORGAN STANLEY CO INCORPOR	72.00	131,721.00	

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<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>COST INCLUDING COMMISSION</u>		
NHZ0	478160104	JOHNSON + JOHNSON	1,300.000	05/12/16	MORGAN STANLEY CO INCORPOR	78.00	148,251.74		
NHZ0	478160104	JOHNSON + JOHNSON	1,000.000	05/18/16	BLOOMBERG TRADEBOOK LLC	30.00	113,733.40		
NHZ0	478160104	JOHNSON + JOHNSON	1,000.000	06/23/16	INSTINET	40.00	116,855.50		
NHZ0	478160104	JOHNSON + JOHNSON	2,000.000	06/28/16	INSTINET	80.00	235,196.40		
NHZ0	478160104	JOHNSON + JOHNSON	1,500.000	08/02/16	INSTINET	60.00	187,021.65		
NHZ0	48127A161	JPMORGAN CHASE + CO	7,000.000	02/18/16	J.P. MORGAN SECURITIES INC.	0.00	189,490.00		
NHZ0	48127A161	JPMORGAN CHASE + CO	1,500.000	02/22/16	J.P. MORGAN SECURITIES INC.	75.00	40,862.25		
NHZ0	48127A161	JPMORGAN CHASE + CO	1,800.000	02/26/16	J.P. MORGAN SECURITIES INC.	90.00	49,058.46		
NHZ0	48127A161	JPMORGAN CHASE + CO	4,700.000	02/29/16	J.P. MORGAN SECURITIES INC.	235.00	128,319.87		
NHZ0	48127A161	JPMORGAN CHASE + CO	1,200.000	03/01/16	J.P. MORGAN SECURITIES INC.	60.00	32,907.60		
NHZ0	48127A161	JPMORGAN CHASE + CO	1,300.000	03/02/16	J.P. MORGAN SECURITIES INC.	65.00	35,636.25		
NHZ0	48127A161	JPMORGAN CHASE + CO	3,500.000	03/07/16	J.P. MORGAN SECURITIES INC.	175.00	95,543.00		
NHZ0	524660107	LEGGETT + PLATT INC	1,700.000	02/26/16	BLOOMBERG TRADEBOOK LLC	51.00	77,233.21		
NHZ0	524660107	LEGGETT + PLATT INC	1,800.000	03/01/16	BLOOMBERG TRADEBOOK LLC	54.00	83,305.08		
NHZ0	524660107	LEGGETT + PLATT INC	2,400.000	03/07/16	MORGAN STANLEY CO INCORPOR	144.00	112,785.60		
NHZ0	524660107	LEGGETT + PLATT INC	600.000	05/03/16	BLOOMBERG TRADEBOOK LLC	18.00	29,483.58		
NHZ0	524660107	LEGGETT + PLATT INC	2,500.000	06/03/16	MORGAN STANLEY CO INCORPOR	150.00	125,878.00		
NHZ0	524660107	LEGGETT + PLATT INC	1,700.000	06/23/16	BLOOMBERG TRADEBOOK LLC	51.00	86,632.17		
NHZ0	524660107	LEGGETT + PLATT INC	2,000.000	07/07/16	BLOOMBERG TRADEBOOK LLC	60.00	101,925.40		
NHZ0	524660107	LEGGETT + PLATT INC	2,300.000	07/14/16	BLOOMBERG TRADEBOOK LLC	69.00	121,371.00		
NHZ0	548661107	LOWE S COS INC	6,000.000	03/07/16	MORGAN STANLEY CO INCORPOR	360.00	424,543.80		
NHZ0	548661107	LOWE S COS INC	1,000.000	03/15/16	INSTINET	40.00	73,003.40		
NHZ0	548661107	LOWE S COS INC	5,500.000	03/24/16	J.P. MORGAN SECURITIES INC.	275.00	411,293.85		
NHZ0	548661107	LOWE S COS INC	1,500.000	05/31/16	INSTINET	60.00	120,056.85		
NHZ0	548661107	LOWE S COS INC	3,000.000	06/03/16	MORGAN STANLEY CO INCORPOR	180.00	239,942.40		
NHZ0	548661107	LOWE S COS INC	2,500.000	08/02/16	INSTINET	100.00	205,190.50		
NHZ0	550021109	LULULEMON ATHLETICA INC	3,500.000	10/19/16	J.P. MORGAN SECURITIES INC.	175.00	204,837.50		
NHZ0	550021109	LULULEMON ATHLETICA INC	5,500.000	10/20/16	J.P. MORGAN SECURITIES INC.	275.00	321,747.25		
NHZ0	55306N104	MKS INSTRUMENTS INC	6,300.000	07/27/16	BLOOMBERG TRADEBOOK LLC	189.00	303,328.62		
NHZ0	55306N104	MKS INSTRUMENTS INC	2,000.000	08/11/16	INSTINET	80.00	92,934.60		
NHZ0	55306N104	MKS INSTRUMENTS INC	2,700.000	08/22/16	J.P. MORGAN SECURITIES INC.	135.00	132,091.29		
NHZ0	55306N104	MKS INSTRUMENTS INC	1,500.000	08/25/16	BLOOMBERG TRADEBOOK LLC	45.00	72,618.90		
NHZ0	55306N104	MKS INSTRUMENTS INC	5,000.000	10/03/16	INSTINET	200.00	246,735.00		
NHZ0	55306N104	MKS INSTRUMENTS INC	1,800.000	11/08/16	INSTINET	72.00	90,576.18		
NHZ0	55306N104	MKS INSTRUMENTS INC	3,700.000	11/15/16	J.P. MORGAN SECURITIES INC.	185.00	207,555.94		
NHZ0	55306N104	MKS INSTRUMENTS INC	3,500.000	11/22/16	INSTINET	140.00	201,193.65		
NHZ0	55306N104	MKS INSTRUMENTS INC	4,000.000	11/28/16	INSTINET	160.00	231,800.80		

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SCHEDULE 4B EQUITIES PURCHASED DURING YEAR							
FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
				DATE			
NH20	55306N104	MKS INSTRUMENTS INC	4,500.000	12/01/16	J.P. MORGAN SECURITIES INC.	225.00	244,951.20
NH20	55306N104	MKS INSTRUMENTS INC	5,000.000	12/22/16	MORGAN STANLEY CO INCORPOR	300.00	298,488.00
NH20	56585A102	MARATHON PETROLEUM CORP	7,500.000	04/14/16	J.P. MORGAN SECURITIES INC.	375.00	295,989.00
NH20	56585A102	MARATHON PETROLEUM CORP	2,200.000	04/22/16	J.P. MORGAN SECURITIES INC.	110.00	91,549.92
NH20	56585A102	MARATHON PETROLEUM CORP	800.000	04/26/16	INSTINET	32.00	33,111.12
NH20	56585A102	MARATHON PETROLEUM CORP	2,000.000	04/27/16	J.P. MORGAN SECURITIES INC.	100.00	82,730.80
NH20	56585A102	MARATHON PETROLEUM CORP	2,500.000	05/03/16	MORGAN STANLEY CO INCORPOR	150.00	95,171.50
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,300.000	02/22/16	INSTINET	52.00	86,719.88
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,000.000	02/26/16	BLOOMBERG TRADEBOOK LLC	30.00	68,195.10
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,600.000	03/01/16	BLOOMBERG TRADEBOOK LLC	48.00	110,203.52
NH20	574599106	MASCO CORP	4,000.000	02/26/16	BLOOMBERG TRADEBOOK LLC	120.00	115,290.80
NH20	574599106	MASCO CORP	3,000.000	03/01/16	J.P. MORGAN SECURITIES INC.	150.00	87,432.00
NH20	574599106	MASCO CORP	4,000.000	05/10/16	INSTINET	160.00	128,869.60
NH20	574599106	MASCO CORP	2,000.000	07/14/16	INSTINET	80.00	68,144.00
NH20	574599106	MASCO CORP	2,000.000	07/25/16	MORGAN STANLEY CO INCORPOR	120.00	68,419.40
NH20	574599106	MASCO CORP	7,000.000	07/27/16	MORGAN STANLEY CO INCORPOR	420.00	255,897.60
NH20	574599106	MASCO CORP	5,000.000	11/22/16	BLOOMBERG TRADEBOOK LLC	150.00	162,468.50
NH20	57636Q104	MASTERCARD INC A	1,000.000	05/03/16	MORGAN STANLEY CO INCORPOR	60.00	96,203.80
NH20	57636Q104	MASTERCARD INC A	500.000	08/11/16	BLOOMBERG TRADEBOOK LLC	15.00	48,316.85
NH20	59156R108	METLIFE INC	2,500.000	04/25/16	J.P. MORGAN SECURITIES INC.	125.00	115,198.75
NH20	59156R108	METLIFE INC	300.000	04/26/16	INSTINET	12.00	14,036.40
NH20	59156R108	METLIFE INC	1,200.000	04/27/16	MORGAN STANLEY CO INCORPOR	72.00	55,986.60
NH20	59156R108	METLIFE INC	4,000.000	04/28/16	INSTINET	160.00	185,526.80
NH20	595017104	MICROCHIP TECHNOLOGY INC	10,000.000	08/17/16	BLOOMBERG TRADEBOOK LLC	300.00	608,134.00
NH20	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	08/22/16	MORGAN STANLEY CO INCORPOR	150.00	153,278.25
NH20	595017104	MICROCHIP TECHNOLOGY INC	1,500.000	08/25/16	BLOOMBERG TRADEBOOK LLC	45.00	92,166.75
NH20	595017104	MICROCHIP TECHNOLOGY INC	3,000.000	10/03/16	INSTINET	120.00	186,440.10
NH20	595017104	MICROCHIP TECHNOLOGY INC	3,000.000	11/14/16	MORGAN STANLEY CO INCORPOR	180.00	190,549.80
NH20	595017104	MICROCHIP TECHNOLOGY INC	3,000.000	11/23/16	J.P. MORGAN SECURITIES INC.	150.00	197,981.70
NH20	595017104	MICROCHIP TECHNOLOGY INC	2,500.000	11/28/16	INSTINET	100.00	164,951.75
NH20	608190104	MOHAWK INDUSTRIES INC	900.000	03/01/16	INSTINET	36.00	166,394.34
NH20	608190104	MOHAWK INDUSTRIES INC	500.000	05/03/16	BLOOMBERG TRADEBOOK LLC	15.00	97,003.80
NH20	608190104	MOHAWK INDUSTRIES INC	1,100.000	05/18/16	INSTINET	44.00	213,159.21
NH20	608190104	MOHAWK INDUSTRIES INC	500.000	06/07/16	J.P. MORGAN SECURITIES INC.	25.00	99,553.90
NH20	608190104	MOHAWK INDUSTRIES INC	800.000	07/27/16	MORGAN STANLEY CO INCORPOR	48.00	164,394.88
NH20	608190104	MOHAWK INDUSTRIES INC	1,000.000	08/12/16	BLOOMBERG TRADEBOOK LLC	30.00	210,909.50
NH20	624758108	MUELLER WATER PRODUCTS INC A	13,000.000	12/13/16	BLOOMBERG TRADEBOOK LLC	390.00	177,836.10

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	INCLUDING COMMISSION	
NH20	624758108	MUELLER WATER PRODUCTS INC A	12,000.000	12/14/16	BLOOMBERG TRADEBOOK LLC	360.00	164,048.40	
NH20	63910B102	NAUTILUS INC	10,000.000	02/22/16	INSTINET	400.00	209,787.00	
NH20	63910B102	NAUTILUS INC	8,000.000	03/07/16	INSTINET	320.00	145,367.20	
NH20	63910B102	NAUTILUS INC	5,500.000	05/25/16	MORGAN STANLEY CO INCORPOR	330.00	114,640.90	
NH20	63910B102	NAUTILUS INC	4,500.000	07/27/16	J.P. MORGAN SECURITIES INC.	225.00	84,815.55	
NH20	65339F101	NEXTERA ENERGY INC	4,000.000	03/07/16	J.P. MORGAN SECURITIES INC.	200.00	458,104.80	
NH20	65339F101	NEXTERA ENERGY INC	4,000.000	03/15/16	MORGAN STANLEY CO INCORPOR	240.00	463,084.80	
NH20	65339F101	NEXTERA ENERGY INC	2,000.000	03/24/16	MORGAN STANLEY CO INCORPOR	120.00	237,049.40	
NH20	65339F101	NEXTERA ENERGY INC	1,000.000	05/25/16	J.P. MORGAN SECURITIES INC.	50.00	119,399.30	
NH20	65339F101	NEXTERA ENERGY INC	1,000.000	06/10/16	J.P. MORGAN SECURITIES INC.	50.00	124,019.90	
NH20	65339F101	NEXTERA ENERGY INC	2,000.000	06/20/16	BLOOMBERG TRADEBOOK LLC	60.00	249,218.40	
NH20	65339F101	NEXTERA ENERGY INC	1,500.000	06/28/16	INSTINET	60.00	192,753.00	
NH20	65339F101	NEXTERA ENERGY INC	1,500.000	10/19/16	MORGAN STANLEY CO INCORPOR	90.00	187,214.10	
NH20	65339F101	NEXTERA ENERGY INC	2,500.000	10/26/16	J.P. MORGAN SECURITIES INC.	125.00	316,060.00	
NH20	67103H107	O REILLY AUTOMOTIVE INC	600.000	01/21/16	MORGAN STANLEY CO INCORPOR	36.00	142,721.40	
NH20	67103H107	O REILLY AUTOMOTIVE INC	600.000	01/27/16	INSTINET	6.00	149,793.06	
NH20	67103H107	O REILLY AUTOMOTIVE INC	500.000	02/25/16	BLOOMBERG TRADEBOOK LLC	15.00	132,167.10	
NH20	67103H107	O REILLY AUTOMOTIVE INC	500.000	03/15/16	J.P. MORGAN SECURITIES INC.	25.00	136,420.00	
NH20	67103H107	O REILLY AUTOMOTIVE INC	200.000	07/27/16	J.P. MORGAN SECURITIES INC.	10.00	55,680.44	
NH20	67103H107	O REILLY AUTOMOTIVE INC	300.000	08/01/16	BLOOMBERG TRADEBOOK LLC	9.00	86,618.67	
NH20	67103H107	O REILLY AUTOMOTIVE INC	500.000	08/22/16	J.P. MORGAN SECURITIES INC.	25.00	143,546.75	
NH20	683745103	OPHTHOTEC CORP	8,000.000	11/23/16	CHARDAN CAPITAL MARKETS	320.00	300,202.34	
NH20	693506107	PPG INDUSTRIES INC	1,000.000	04/25/16	MORGAN STANLEY CO INCORPOR	60.00	112,741.60	
NH20	693506107	PPG INDUSTRIES INC	500.000	04/27/16	MORGAN STANLEY CO INCORPOR	30.00	56,645.35	
NH20	693506107	PPG INDUSTRIES INC	300.000	05/16/16	INSTINET	12.00	32,584.74	
NH20	720186105	PIEDMONT NATURAL GAS CO	5,000.000	01/21/16	MORGAN STANLEY CO INCORPOR	300.00	290,773.00	
NH20	720186105	PIEDMONT NATURAL GAS CO	4,000.000	02/01/16	MORGAN STANLEY CO INCORPOR	240.00	237,028.80	
NH20	720186105	PIEDMONT NATURAL GAS CO	1,500.000	02/02/16	MORGAN STANLEY CO INCORPOR	90.00	88,774.95	
NH20	720186105	PIEDMONT NATURAL GAS CO	3,500.000	02/03/16	J.P. MORGAN SECURITIES INC.	175.00	207,076.10	
NH20	720186105	PIEDMONT NATURAL GAS CO	2,100.000	02/04/16	INSTINET	84.00	124,336.59	
NH20	720186105	PIEDMONT NATURAL GAS CO	2,400.000	03/01/16	BLOOMBERG TRADEBOOK LLC	72.00	142,655.04	
NH20	742718109	PROCTER + GAMBLE CO WHEN DIS	7,000.000	08/03/16	MORGAN STANLEY CO INCORPOR	420.00	601,673.80	
NH20	742718109	PROCTER + GAMBLE CO WHEN DIS	700.000	08/11/16	INSTINET	28.00	60,896.15	
NH20	742718109	PROCTER + GAMBLE CO WHEN DIS	1,500.000	08/15/16	J.P. MORGAN SECURITIES INC.	75.00	130,640.25	
NH20	742718109	PROCTER + GAMBLE CO WHEN DIS	2,300.000	08/22/16	INSTINET	92.00	199,920.83	
NH20	742718109	PROCTER + GAMBLE CO WHEN DIS	2,500.000	08/25/16	INSTINET	100.00	219,300.75	
NH20	742718109	PROCTER + GAMBLE CO WHEN DIS	1,500.000	10/06/16	MORGAN STANLEY CO INCORPOR	90.00	134,156.55	

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
NHZ0	742718109	PROCTER + GAMBLE CO WHEN DIS	1,500.000	11/01/16	BLOOMBERG TRADEBOOK LLC	45.00	129,900.00
NHZ0	747525103	QUALCOMM INC	7,500.000	10/18/16	INSTINET	300.00	494,297.25
NHZ0	747525103	QUALCOMM INC	2,500.000	10/26/16	INSTINET	100.00	170,831.25
NHZ0	747525103	QUALCOMM INC	5,000.000	11/01/16	INSTINET	200.00	341,496.50
NHZ0	74834L100	QUEST DIAGNOSTICS INC	1,300.000	05/05/16	INSTINET	52.00	97,944.47
NHZ0	74834L100	QUEST DIAGNOSTICS INC	1,300.000	06/07/16	MORGAN STANLEY CO INCORPOR	78.00	101,041.20
NHZ0	74834L100	QUEST DIAGNOSTICS INC	1,500.000	06/23/16	INSTINET	60.00	120,614.25
NHZ0	74834L100	QUEST DIAGNOSTICS INC	2,500.000	06/28/16	INSTINET	100.00	194,887.25
NHZ0	74834L100	QUEST DIAGNOSTICS INC	3,500.000	11/28/16	INSTINET	140.00	309,384.60
NHZ0	756577102	RED HAT INC	6,000.000	06/08/16	MORGAN STANLEY CO INCORPOR	360.00	475,614.60
NHZ0	756577102	RED HAT INC	1,200.000	06/10/16	MORGAN STANLEY CO INCORPOR	72.00	93,127.20
NHZ0	756577102	RED HAT INC	1,500.000	06/14/16	INSTINET	60.00	115,933.20
NHZ0	756577102	RED HAT INC	1,800.000	06/20/16	INSTINET	72.00	142,907.22
NHZ0	756577102	RED HAT INC	2,000.000	06/23/16	INSTINET	80.00	156,664.60
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	700.000	03/07/16	INSTINET	28.00	65,728.74
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,600.000	05/18/16	MORGAN STANLEY CO INCORPOR	96.00	154,561.92
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,500.000	05/31/16	J.P. MORGAN SECURITIES INC.	75.00	148,852.20
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,500.000	08/22/16	J.P. MORGAN SECURITIES INC.	75.00	153,256.50
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,400.000	08/24/16	J.P. MORGAN SECURITIES INC.	70.00	144,935.14
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,000.000	10/06/16	MORGAN STANLEY CO INCORPOR	60.00	107,473.40
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,000.000	10/13/16	MORGAN STANLEY CO INCORPOR	60.00	108,179.00
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	1,300.000	10/26/16	INSTINET	52.00	140,524.41
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	4,700.000	11/01/16	INSTINET	188.00	509,626.17
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	2,000.000	11/21/16	BLOOMBERG TRADEBOOK LLC	60.00	243,578.20
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	2,000.000	12/01/16	J.P. MORGAN SECURITIES INC.	100.00	245,952.80
NHZ0	759351604	REINSURANCE GROUP OF AMERICA	2,500.000	12/22/16	J.P. MORGAN SECURITIES INC.	125.00	317,843.75
NHZ0	780287108	ROYAL GOLD INC	9,000.000	06/29/16	MORGAN STANLEY CO INCORPOR	540.00	641,604.60
NHZ0	780287108	ROYAL GOLD INC	2,000.000	07/07/16	INSTINET	80.00	159,368.60
NHZ0	78462F103	SPDR S+P500 ETF TRUST	30,000.000	11/09/16	J.P. MORGAN SECURITIES INC.	1,500.00	6,407,646.00
NHZ0	78467Y107	SPDR S+P MIDCAP 400 ETF TRUST	5,500.000	11/09/16	J.P. MORGAN SECURITIES INC.	275.00	1,510,331.90
NHZ0	78467Y107	SPDR S+P MIDCAP 400 ETF TRUST	2,000.000	11/28/16	INSTINET	80.00	594,406.80
NHZ0	78573M104	SABRE CORP	3,000.000	02/25/16	J.P. MORGAN SECURITIES INC.	150.00	83,445.60
NHZ0	78573M104	SABRE CORP	3,000.000	03/01/16	INSTINET	120.00	83,669.70
NHZ0	78573M104	SABRE CORP	2,500.000	07/20/16	BLOOMBERG TRADEBOOK LLC	75.00	73,494.50
NHZ0	78573M104	SABRE CORP	3,500.000	07/27/16	MORGAN STANLEY CO INCORPOR	210.00	102,699.10
NHZ0	78573M104	SABRE CORP	4,000.000	09/22/16	BLOOMBERG TRADEBOOK LLC	120.00	110,160.40
NHZ0	79466L302	SALESFORCE.COM INC	6,500.000	05/27/16	J.P. MORGAN SECURITIES INC.	325.00	541,539.05

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SCHEDULE 4B
EQUITIES PURCHASED 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>COST INCLUDING COMMISSION</u>
NH20	79466L302	SALESFORCE.COM INC	3,500.000	06/03/16	INSTINET	140.00	288,808.10
NH20	79466L302	SALESFORCE.COM INC	2,000.000	06/08/16	MORGAN STANLEY CO INCORPOR	120.00	166,909.40
NH20	79466L302	SALESFORCE.COM INC	2,500.000	06/13/16	BLOOMBERG TRADEBOOK LLC	75.00	204,697.75
NH20	806407102	HENRY SCHEIN INC	1,000.000	02/25/16	BLOOMBERG TRADEBOOK LLC	30.00	167,247.50
NH20	806407102	HENRY SCHEIN INC	1,500.000	03/01/16	BLOOMBERG TRADEBOOK LLC	45.00	252,603.00
NH20	806407102	HENRY SCHEIN INC	1,300.000	06/23/16	BLOOMBERG TRADEBOOK LLC	39.00	229,887.06
NH20	816851109	SEMPRA ENERGY	4,500.000	03/07/16	J.P. MORGAN SECURITIES INC.	225.00	436,574.70
NH20	816851109	SEMPRA ENERGY	800.000	04/01/16	MORGAN STANLEY CO INCORPOR	48.00	84,751.12
NH20	816851109	SEMPRA ENERGY	700.000	04/06/16	MORGAN STANLEY CO INCORPOR	42.00	71,853.60
NH20	816851109	SEMPRA ENERGY	600.000	05/31/16	J.P. MORGAN SECURITIES INC.	30.00	64,184.58
NH20	816851109	SEMPRA ENERGY	900.000	06/10/16	MORGAN STANLEY CO INCORPOR	54.00	98,731.53
NH20	816851109	SEMPRA ENERGY	1,500.000	06/20/16	BLOOMBERG TRADEBOOK LLC	45.00	164,743.35
NH20	816851109	SEMPRA ENERGY	1,800.000	06/23/16	BLOOMBERG TRADEBOOK LLC	54.00	199,503.36
NH20	816851109	SEMPRA ENERGY	1,100.000	06/28/16	INSTINET	44.00	121,281.60
NH20	82669G104	SIGNATURE BANK	4,000.000	11/18/16	MORGAN STANLEY CO INCORPOR	240.00	596,901.20
NH20	82669G104	SIGNATURE BANK	500.000	11/21/16	BLOOMBERG TRADEBOOK LLC	15.00	75,037.90
NH20	82669G104	SIGNATURE BANK	1,000.000	11/22/16	J.P. MORGAN SECURITIES INC.	50.00	149,730.60
NH20	82669G104	SIGNATURE BANK	500.000	11/23/16	MORGAN STANLEY CO INCORPOR	30.00	75,219.85
NH20	82669G104	SIGNATURE BANK	1,500.000	12/01/16	MORGAN STANLEY CO INCORPOR	90.00	230,615.85
NH20	82669G104	SIGNATURE BANK	800.000	12/05/16	MORGAN STANLEY CO INCORPOR	48.00	120,583.76
NH20	82669G104	SIGNATURE BANK	700.000	12/08/16	MORGAN STANLEY CO INCORPOR	42.00	109,387.04
NH20	82669G104	SIGNATURE BANK	2,000.000	12/15/16	J.P. MORGAN SECURITIES INC.	100.00	297,907.20
NH20	82669G104	SIGNATURE BANK	3,500.000	12/22/16	MORGAN STANLEY CO INCORPOR	210.00	520,781.10
NH20	831865209	SMITH (A.O.) CORP	7,000.000	06/28/16	BLOOMBERG TRADEBOOK LLC	210.00	581,600.60
NH20	831865209	SMITH (A.O.) CORP	8,000.000	06/30/16	MORGAN STANLEY CO INCORPOR	480.00	700,532.00
NH20	831865209	SMITH (A.O.) CORP	1,500.000	08/02/16	J.P. MORGAN SECURITIES INC.	75.00	138,113.85
NH20	831865209	SMITH (A.O.) CORP	1,500.000	08/12/16	INSTINET	60.00	141,186.15
NH20	831865209	SMITH (A.O.) CORP	2,000.000	10/05/16	MORGAN STANLEY CO INCORPOR	120.00	204,056.20
NH20	831865209	SMITH (A.O.) CORP	7,000.000	11/23/16	INSTINET	280.00	339,347.40
NH20	832696405	JM SMUCKER CO/THE	3,000.000	06/28/16	BLOOMBERG TRADEBOOK LLC	90.00	439,539.90
NH20	832696405	JM SMUCKER CO/THE	3,000.000	06/30/16	MORGAN STANLEY CO INCORPOR	180.00	455,719.50
NH20	832696405	JM SMUCKER CO/THE	600.000	07/07/16	INSTINET	24.00	92,200.80
NH20	832696405	JM SMUCKER CO/THE	1,000.000	07/14/16	BLOOMBERG TRADEBOOK LLC	30.00	152,639.90
NH20	832696405	JM SMUCKER CO/THE	900.000	07/27/16	INSTINET	36.00	136,923.39
NH20	863667101	STRYKER CORP	5,000.000	05/05/16	J.P. MORGAN SECURITIES INC.	250.00	545,237.50
NH20	863667101	STRYKER CORP	500.000	05/10/16	INSTINET	20.00	55,901.75
NH20	863667101	STRYKER CORP	1,500.000	05/12/16	J.P. MORGAN SECURITIES INC.	75.00	167,641.20

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SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	COST INCLUDING COMMISSION
NH20	863667101	STRYKER CORP.	1,000.000	05/18/16	INSTINET	40.00	110,344.50
NH20	863667101	STRYKER CORP	2,000.000	05/25/16	J.P. MORGAN SECURITIES INC.	100.00	224,719.40
NH20	863667101	STRYKER CORP	1,000.000	05/31/16	MORGAN STANLEY CO INCORPOR	60.00	110,976.70
NH20	863667101	STRYKER CORP	2,500.000	06/23/16	INSTINET	100.00	296,165.50
NH20	863667101	STRYKER CORP	500.000	11/09/16	MORGAN STANLEY CO INCORPOR	30.00	58,821.90
NH20	872590104	T MOBILE US INC	13,000.000	08/18/16	BLOOMBERG TRADEBOOK LLC	390.00	610,435.80
NH20	872590104	T MOBILE US INC	1,500.000	10/05/16	MORGAN STANLEY CO INCORPOR	90.00	69,257.55
NH20	872590104	T MOBILE US INC	1,000.000	11/08/16	INSTINET	40.00	50,508.90
NH20	872590104	T MOBILE US INC	4,500.000	11/15/16	MORGAN STANLEY CO INCORPOR	270.00	240,450.30
NH20	872590104	T MOBILE US INC	3,000.000	11/28/16	INSTINET	120.00	164,657.40
NH20	872590104	T MOBILE US INC	6,000.000	12/01/16	J.P. MORGAN SECURITIES INC.	300.00	325,511.40
NH20	872590104	T MOBILE US INC	8,000.000	12/22/16	MORGAN STANLEY CO INCORPOR	480.00	463,337.60
NH20	872590104	T MOBILE US INC	11,000.000	12/27/16	MORGAN STANLEY CO INCORPOR	660.00	642,185.50
NH20	883556102	THERMO FISHER SCIENTIFIC INC	2,200.000	01/14/16	MORGAN STANLEY CO INCORPOR	132.00	300,873.10
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	01/20/16	MORGAN STANLEY CO INCORPOR	60.00	131,192.60
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,100.000	01/21/16	MORGAN STANLEY CO INCORPOR	66.00	145,176.68
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,000.000	02/04/16	J.P. MORGAN SECURITIES INC.	50.00	127,615.10
NH20	883556102	THERMO FISHER SCIENTIFIC INC	500.000	04/06/16	MORGAN STANLEY CO INCORPOR	30.00	72,007.10
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,200.000	04/28/16	INSTINET	48.00	177,056.64
NH20	883556102	THERMO FISHER SCIENTIFIC INC	700.000	05/05/16	BLOOMBERG TRADEBOOK LLC	21.00	101,572.80
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,300.000	05/12/16	J.P. MORGAN SECURITIES INC.	65.00	193,389.95
NH20	883556102	THERMO FISHER SCIENTIFIC INC	2,200.000	05/25/16	MORGAN STANLEY CO INCORPOR	132.00	333,440.80
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,300.000	06/07/16	MORGAN STANLEY CO INCORPOR	78.00	198,902.86
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,200.000	08/02/16	J.P. MORGAN SECURITIES INC.	60.00	187,860.96
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,300.000	08/12/16	INSTINET	52.00	202,356.83
NH20	883556102	THERMO FISHER SCIENTIFIC INC	1,200.000	11/14/16	BLOOMBERG TRADEBOOK LLC	36.00	179,045.64
NH20	892356106	TRACTOR SUPPLY COMPANY	2,000.000	05/18/16	INSTINET	80.00	183,005.60
NH20	892356106	TRACTOR SUPPLY COMPANY	1,000.000	06/03/16	INSTINET	40.00	95,237.20
NH20	892356106	TRACTOR SUPPLY COMPANY	1,000.000	06/28/16	J.P. MORGAN SECURITIES INC.	50.00	93,769.70
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	1,000.000	01/11/16	INSTINET	40.00	182,771.30
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	2,500.000	04/06/16	J.P. MORGAN SECURITIES INC.	125.00	490,182.50
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	1,300.000	04/14/16	MORGAN STANLEY CO INCORPOR	78.00	267,956.39
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	400.000	04/22/16	J.P. MORGAN SECURITIES INC.	20.00	81,919.68
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	800.000	04/28/16	BLOOMBERG TRADEBOOK LLC	24.00	166,747.84
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	1,000.000	05/03/16	MORGAN STANLEY CO INCORPOR	60.00	208,338.70
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	1,000.000	05/31/16	INSTINET	40.00	232,336.50
NH20	90384S303	ULTA SALON COSMETICS + FRAGR	700.000	06/07/16	MORGAN STANLEY CO INCORPOR	42.00	167,275.01

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EQUITIES PURCHASED 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>COST INCLUDING COMMISSION</u>
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	800.000	08/12/16	BLOOMBERG TRADEBOOK LLC	24.00	213,348.80
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	1,500.000	11/15/16	J.P. MORGAN SECURITIES INC.	75.00	366,659.55
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	500.000	11/21/16	INSTINET	20.00	125,654.30
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	2,500.000	11/22/16	INSTINET	100.00	646,437.75
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	1,000.000	11/23/16	J.P. MORGAN SECURITIES INC.	50.00	262,382.30
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	1,000.000	12/01/16	J.P. MORGAN SECURITIES INC.	50.00	257,877.60
NHZ0	92210H105	VANTIV INC CL A	1,800.000	01/11/16	J.P. MORGAN SECURITIES INC.	90.00	82,980.00
NHZ0	92210H105	VANTIV INC CL A	2,500.000	03/01/16	BLOOMBERG TRADEBOOK LLC	75.00	132,077.00
NHZ0	92210H105	VANTIV INC CL A	3,000.000	03/07/16	MORGAN STANLEY CO INCORPOR	180.00	158,266.20
NHZ0	92210H105	VANTIV INC CL A	2,500.000	04/28/16	INSTINET	100.00	139,020.75
NHZ0	92210H105	VANTIV INC CL A	4,000.000	05/10/16	INSTINET	160.00	223,871.20
NHZ0	92210H105	VANTIV INC CL A	5,500.000	10/03/16	J.P. MORGAN SECURITIES INC.	275.00	310,681.80
NHZ0	92210H105	VANTIV INC CL A	5,500.000	10/27/16	INSTINET	220.00	325,252.95
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	4,000.000	02/26/16	BLOOMBERG TRADEBOOK LLC	120.00	204,176.40
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	02/29/16	BLOOMBERG TRADEBOOK LLC	60.00	102,762.20
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	3,000.000	03/01/16	BLOOMBERG TRADEBOOK LLC	90.00	153,680.70
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	9,000.000	03/07/16	MORGAN STANLEY CO INCORPOR	540.00	471,308.40
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	03/15/16	MORGAN STANLEY CO INCORPOR	120.00	105,530.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	1,500.000	06/20/16	MORGAN STANLEY CO INCORPOR	90.00	80,553.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	1,800.000	07/07/16	INSTINET	72.00	100,015.92
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	2,000.000	07/27/16	INSTINET	80.00	110,530.60
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	2,400.000	05/18/16	MORGAN STANLEY CO INCORPOR	144.00	185,766.96
NHZ0	92826C839	VISA INC CLASS A SHARES	1,500.000	05/31/16	MORGAN STANLEY CO INCORPOR	90.00	118,517.25
NHZ0	92826C839	VISA INC CLASS A SHARES	1,000.000	07/21/16	MORGAN STANLEY CO INCORPOR	60.00	78,866.40
NHZ0	92826C839	VISA INC CLASS A SHARES	2,500.000	10/03/16	MORGAN STANLEY CO INCORPOR	150.00	207,247.00
NHZ0	92826C839	VISA INC CLASS A SHARES	1,500.000	11/14/16	BLOOMBERG TRADEBOOK LLC	45.00	116,909.55
NHZ0	929160109	VULCAN MATERIALS CO	4,800.000	07/27/16	INSTINET	192.00	604,815.36
NHZ0	949746101	WELLS FARGO + CO	2,500.000	04/25/16	J.P. MORGAN SECURITIES INC.	125.00	126,220.75
NHZ0	949746101	WELLS FARGO + CO	300.000	04/26/16	BLOOMBERG TRADEBOOK LLC	9.00	15,225.57
NHZ0	949746101	WELLS FARGO + CO	1,200.000	04/27/16	MORGAN STANLEY CO INCORPOR	72.00	60,978.84
NHZ0	949746101	WELLS FARGO + CO	4,000.000	04/28/16	INSTINET	160.00	202,872.80
NHZ0	949746101	WELLS FARGO + CO	10,000.000	07/15/16	J.P. MORGAN SECURITIES INC.	500.00	479,137.00
NHZ0	94988U714	WELLS FARGO + COMPANY	9,000.000	03/04/16	J.P. MORGAN SECURITIES INC.	0.00	227,430.00
NHZ0	94988U714	WELLS FARGO + COMPANY	9,000.000	03/07/16	J.P. MORGAN SECURITIES INC.	450.00	227,250.00
NHZ0	94988U714	WELLS FARGO + COMPANY	3,000.000	03/08/16	J.P. MORGAN SECURITIES INC.	150.00	75,636.60
NHZ0	94988U714	WELLS FARGO + COMPANY	2,500.000	05/25/16	J.P. MORGAN SECURITIES INC.	125.00	65,125.00
NHZ0	94988U714	WELLS FARGO + COMPANY	2,500.000	06/20/16	J.P. MORGAN SECURITIES INC.	125.00	65,209.25

SCHEDULE 4B
EQUITIES PURCHASED DURING YEAR

FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	INCLUDING COMMISSION
NH20	963320106	WHIRLPOOL CORP	1,500,000	04/06/16	J.P. MORGAN SECURITIES INC.	75.00	274,495.95
NH20	963320106	WHIRLPOOL CORP	300,000	04/12/16	J.P. MORGAN SECURITIES INC.	15.00	55,495.89
NH20	963320106	WHIRLPOOL CORP	1,700,000	04/14/16	MORGAN STANLEY CO INCORPOR	102.00	314,858.36
NH20	963320106	WHIRLPOOL CORP	400,000	04/22/16	J.P. MORGAN SECURITIES INC.	20.00	74,767.88
NH20	963320106	WHIRLPOOL CORP	400,000	04/26/16	BLOOMBERG TRADEBOOK LLC	12.00	70,908.24
NH20	963320106	WHIRLPOOL CORP	800,000	07/25/16	MORGAN STANLEY CO INCORPOR	48.00	151,862.40
NH20	963320106	WHIRLPOOL CORP	1,800,000	07/27/16	MORGAN STANLEY CO INCORPOR	108.00	344,651.58
NH20	963320106	WHIRLPOOL CORP	900,000	08/01/16	MORGAN STANLEY CO INCORPOR	54.00	173,097.36
NH20	963320106	WHIRLPOOL CORP	1,000,000	08/02/16	MORGAN STANLEY CO INCORPOR	60.00	190,309.00
NH20	963320106	WHIRLPOOL CORP	1,500,000	08/12/16	BLOOMBERG TRADEBOOK LLC	45.00	279,266.25
NH20	98956P102	ZIMMER BIOMET HOLDINGS INC	5,000,000	07/27/16	INSTINET	200.00	612,522.50
NH20	98956P102	ZIMMER BIOMET HOLDINGS INC	1,000,000	08/04/16	MORGAN STANLEY CO INCORPOR	60.00	130,727.70
NH20	98956P102	ZIMMER BIOMET HOLDINGS INC	1,000,000	08/12/16	INSTINET	40.00	129,086.60
NH20	98956P102	ZIMMER BIOMET HOLDINGS INC	700,000	10/05/16	J.P. MORGAN SECURITIES INC.	35.00	91,735.21
NH20	Y09827109	BROADCOM LTD	2,900,000	02/01/16	MANDATORY EXCHANGE NON CAS	0.00	420,935.00
NH20	Y09827109	BROADCOM LTD	4,100,000	03/15/16	J.P. MORGAN SECURITIES INC.	205.00	608,772.92
NH20	Y09827109	BROADCOM LTD	600,000	04/01/16	J.P. MORGAN SECURITIES INC.	30.00	94,620.00
NH20	Y09827109	BROADCOM LTD	700,000	04/06/16	MORGAN STANLEY CO INCORPOR	42.00	108,594.29
NH20	Y09827109	BROADCOM LTD	800,000	06/10/16	MORGAN STANLEY CO INCORPOR	48.00	128,830.56
NH20	Y09827109	BROADCOM LTD	900,000	08/02/16	INSTINET	36.00	146,808.90
NH20	Y09827109	BROADCOM LTD	1,000,000	08/12/16	BLOOMBERG TRADEBOOK LLC	30.00	171,691.70
NH20	Y09827109	BROADCOM LTD	700,000	10/19/16	MORGAN STANLEY CO INCORPOR	42.00	120,012.34
NH20	Y09827109	BROADCOM LTD	1,000,000	11/22/16	INSTINET	40.00	175,737.10
SCHEDULE TOTALS							116,162,725.58
							68,534.00

SCHEDULE TOTALS

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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
NH-Z0	00206R102	AT+T INC	7,500.000	05/24/16	BLOOMBERG TRADEBOOK LLC	225.00	288,210.46	287,570.93	639.53	0.00
NH-Z0	00206R102	AT+T INC	9,000.000	08/17/16	BLOOMBERG TRADEBOOK LLC	270.00	375,807.50	369,378.48	6,429.02	0.00
NH-Z0	00206R102	AT+T INC	3,500.000	08/22/16	BLOOMBERG TRADEBOOK LLC	105.00	143,050.62	143,647.19	(596.57)	0.00
NH-Z0	00206R102	AT+T INC	5,000.000	10/20/16	INSTINET	200.00	194,209.76	204,843.45	(10,633.69)	0.00
NH-Z0	00206R102	AT+T INC	5,000.000	11/02/16	INSTINET	200.00	182,021.02	204,843.45	(22,822.43)	0.00
NH-Z0	00287Y109	ABBVIE INC	800.000	03/24/16	J.P. MORGAN SECURITIES INC.	40.00	44,782.54	46,024.43	(1,241.89)	0.00
NH-Z0	00287Y109	ABBVIE INC	4,500.000	08/25/16	INSTINET	180.00	293,004.35	278,605.22	14,399.13	0.00
NH-Z0	00287Y109	ABBVIE INC	5,000.000	10/17/16	BLOOMBERG TRADEBOOK LLC	150.00	300,115.45	309,966.72	(9,851.27)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	5,000.000	11/02/16	J.P. MORGAN SECURITIES INC.	250.00	284,063.80	309,966.72	(25,902.92)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	3,200.000	01/28/16	J.P. MORGAN SECURITIES INC.	160.00	267,414.59	300,608.00	(33,193.41)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	4,600.000	02/04/16	INSTINET	184.00	397,987.89	432,124.00	(34,136.11)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	3,400.000	02/09/16	J.P. MORGAN SECURITIES INC.	170.00	254,825.30	319,396.00	(64,570.70)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	5,000.000	02/10/16	MORGAN STANLEY CO INCORPOR	300.00	378,445.74	469,700.00	(91,254.26)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	800.000	02/11/16	MORGAN STANLEY CO INCORPOR	48.00	59,089.99	75,152.00	(16,062.01)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	500.000	02/22/16	MORGAN STANLEY CO INCORPOR	30.00	41,743.03	46,970.00	(5,226.97)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	2,100.000	03/07/16	BLOOMBERG TRADEBOOK LLC	63.00	178,245.16	197,274.00	(19,028.84)	0.00
NH-Z0	00724F101	ADOBE SYSTEMS INC	2,000.000	05/05/16	BLOOMBERG TRADEBOOK LLC	60.00	186,133.34	187,880.00	(1,746.66)	0.00
NH-Z0	015351109	ALEXION PHARMACEUTICALS INC	700.000	01/11/16	MORGAN STANLEY CO INCORPOR	42.00	115,197.08	133,525.00	(18,327.92)	0.00
NH-Z0	015351109	ALEXION PHARMACEUTICALS INC	1,000.000	01/27/16	MORGAN STANLEY CO INCORPOR	60.00	149,847.34	190,750.00	(40,902.66)	0.00
NH-Z0	015351109	ALEXION PHARMACEUTICALS INC	1,000.000	01/28/16	BLOOMBERG TRADEBOOK LLC	30.00	146,205.80	190,750.00	(44,544.20)	0.00
NH-Z0	015351109	ALEXION PHARMACEUTICALS INC	900.000	02/01/16	MORGAN STANLEY CO INCORPOR	54.00	127,884.67	171,675.00	(43,790.33)	0.00
NH-Z0	016255101	ALIGN TECHNOLOGY INC	3,500.000	11/02/16	INSTINET	140.00	300,327.39	324,493.34	(24,165.95)	0.00
NH-Z0	02079K305	ALPHABET INC CL A	200.000	03/03/16	MORGAN STANLEY CO INCORPOR	12.00	146,163.21	154,836.14	(8,672.93)	0.00
NH-Z0	02079K305	ALPHABET INC CL A	1,100.000	03/07/16	INSTINET	44.00	781,088.46	851,598.76	(70,510.30)	0.00
NH-Z0	02079K305	ALPHABET INC CL A	200.000	04/28/16	MORGAN STANLEY CO INCORPOR	12.00	142,669.10	154,517.64	(11,848.54)	0.00
NH-Z0	02079K305	ALPHABET INC CL A	100.000	06/13/16	BLOOMBERG TRADEBOOK LLC	3.00	73,340.67	77,258.82	(3,918.15)	0.00
NH-Z0	02079K305	ALPHABET INC CL A	200.000	06/20/16	MORGAN STANLEY CO INCORPOR	12.00	142,238.85	154,517.64	(12,278.79)	0.00
NH-Z0	02079K305	ALPHABET INC CL A	100.000	06/23/16	J.P. MORGAN SECURITIES INC.	5.00	70,709.28	77,258.82	(6,549.54)	0.00
NH-Z0	023135106	AMAZON.COM INC	300.000	01/21/16	MORGAN STANLEY CO INCORPOR	18.00	171,164.04	202,767.00	(31,602.96)	0.00
NH-Z0	023135106	AMAZON.COM INC	300.000	02/02/16	MORGAN STANLEY CO INCORPOR	18.00	165,298.60	202,767.00	(37,468.40)	0.00
NH-Z0	023135106	AMAZON.COM INC	700.000	02/04/16	MORGAN STANLEY CO INCORPOR	42.00	370,244.46	473,123.00	(102,878.54)	0.00
NH-Z0	023135106	AMAZON.COM INC	100.000	02/09/16	J.P. MORGAN SECURITIES INC.	5.00	48,260.78	67,589.00	(19,328.22)	0.00
NH-Z0	023135106	AMAZON.COM INC	600.000	02/10/16	MORGAN STANLEY CO INCORPOR	36.00	296,243.00	405,534.00	(109,291.00)	0.00
NH-Z0	023135106	AMAZON.COM INC	50.000	02/22/16	J.P. MORGAN SECURITIES INC.	2.50	27,828.79	33,794.50	(5,965.71)	0.00
NH-Z0	023135106	AMAZON.COM INC	100.000	03/01/16	J.P. MORGAN SECURITIES INC.	5.00	57,098.25	67,589.00	(10,490.75)	0.00
NH-Z0	023135106	AMAZON.COM INC	350.000	03/07/16	BLOOMBERG TRADEBOOK LLC	10.50	196,244.01	236,561.50	(40,317.49)	0.00
NH-Z0	023135106	AMAZON.COM INC	700.000	09/12/16	J.P. MORGAN SECURITIES INC.	35.00	539,954.64	493,581.49	46,373.15	0.00
NH-Z0	023135106	AMAZON.COM INC	500.000	12/01/16	BLOOMBERG TRADEBOOK LLC	15.00	370,906.21	356,510.71	14,395.50	0.00
NH-Z0	023135106	AMAZON.COM INC	300.000	12/22/16	BLOOMBERG TRADEBOOK LLC	9.00	229,808.60	213,906.43	15,902.17	0.00
NH-Z0	030420103	AMERICAN WATER WORKS CO INC	5,000.000	07/12/16	BLOOMBERG TRADEBOOK LLC	150.00	406,973.12	311,108.06	95,865.06	26,734.00
NH-Z0	030420103	AMERICAN WATER WORKS CO INC	4,500.000	07/14/16	BLOOMBERG TRADEBOOK LLC	135.00	366,438.70	279,997.25	86,441.45	0.00
NH-Z0	030420103	AMERICAN WATER WORKS CO INC	4,000.000	07/18/16	BLOOMBERG TRADEBOOK LLC	120.00	326,001.69	248,886.45	77,115.24	0.00
NH-Z0	030420103	AMERICAN WATER WORKS CO INC	2,000.000	07/20/16	J.P. MORGAN SECURITIES INC.	100.00	163,169.24	124,443.22	38,726.02	0.00

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SCHEDULE 4C
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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
NHZ0	030420103	AMERICAN WATER WORKS CO INC	2,000.000	07/25/16	BLOOMBERG TRADEBOOK LLC	60.00	165,074.19	124,443.22	40,630.97	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	1,700.000	07/27/16	BLOOMBERG TRADEBOOK LLC	51.00	138,815.74	105,776.74	33,039.00	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	2,500.000	08/12/16	MORGAN STANLEY CO INCORPOR	150.00	195,072.74	155,554.03	39,518.71	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	2,000.000	08/15/16	BLOOMBERG TRADEBOOK LLC	60.00	154,534.02	124,443.22	30,090.80	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	2,300.000	08/18/16	J.P. MORGAN SECURITIES INC.	115.00	177,462.74	143,109.71	34,353.03	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	1,500.000	08/22/16	BLOOMBERG TRADEBOOK LLC	45.00	115,014.49	93,332.42	21,682.07	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	1,000.000	08/24/16	MORGAN STANLEY CO INCORPOR	60.00	75,886.64	62,221.61	13,665.03	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	1,500.000	08/25/16	MORGAN STANLEY CO INCORPOR	90.00	114,648.64	93,332.42	21,316.22	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	500.000	10/05/16	INSTINET	20.00	35,600.37	31,110.81	4,489.56	0.00
NHZ0	030420103	AMERICAN WATER WORKS CO INC	4,500.000	10/13/16	BLOOMBERG TRADEBOOK LLC	135.00	324,099.13	279,997.24	44,101.89	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	2,500.000	01/11/16	BLOOMBERG TRADEBOOK LLC	75.00	237,108.88	259,275.00	(22,166.12)	1,972.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	1,400.000	01/12/16	J.P. MORGAN SECURITIES INC.	70.00	131,658.33	145,194.00	(13,535.67)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	3,200.000	01/28/16	MORGAN STANLEY CO INCORPOR	192.00	281,799.93	331,872.00	(50,072.07)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	2,500.000	02/04/16	J.P. MORGAN SECURITIES INC.	125.00	214,940.04	259,275.00	(44,334.96)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	700.000	02/09/16	J.P. MORGAN SECURITIES INC.	35.00	58,588.92	72,597.00	(14,008.08)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	700.000	02/10/16	J.P. MORGAN SECURITIES INC.	35.00	59,988.69	72,597.00	(12,608.31)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	2,000.000	02/22/16	J.P. MORGAN SECURITIES INC.	100.00	175,016.58	207,420.00	(32,403.42)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	1,800.000	03/01/16	J.P. MORGAN SECURITIES INC.	90.00	157,415.74	186,678.00	(29,262.26)	0.00
NHZ0	03073E105	AMERISOURCEBERGEN CORP	2,000.000	03/03/16	BLOOMBERG TRADEBOOK LLC	60.00	175,953.16	207,420.00	(31,466.84)	0.00
NHZ0	031162100	AMGEN INC	500.000	11/28/16	BLOOMBERG TRADEBOOK LLC	15.00	72,723.91	81,142.86	(8,418.95)	4,000.00
NHZ0	031162100	AMGEN INC	3,500.000	12/01/16	BLOOMBERG TRADEBOOK LLC	105.00	498,071.68	588,000.04	(69,928.36)	0.00
NHZ0	037833100	APPLE INC	1,000.000	01/28/16	J.P. MORGAN SECURITIES INC.	50.00	93,438.57	105,260.00	(11,821.43)	0.00
NHZ0	037833100	APPLE INC	1,000.000	04/28/16	MORGAN STANLEY CO INCORPOR	60.00	97,006.38	105,202.94	(8,196.56)	0.00
NHZ0	037833100	APPLE INC	1,500.000	05/03/16	INSTINET	60.00	141,819.20	157,804.41	(15,985.21)	0.00
NHZ0	037833100	APPLE INC	1,000.000	05/12/16	BLOOMBERG TRADEBOOK LLC	30.00	90,110.23	105,202.94	(15,092.71)	0.00
NHZ0	037833100	APPLE INC	1,000.000	05/16/16	BLOOMBERG TRADEBOOK LLC	30.00	94,011.64	105,202.94	(11,191.30)	0.00
NHZ0	037833100	APPLE INC	500.000	06/07/16	J.P. MORGAN SECURITIES INC.	25.00	49,693.71	52,601.47	(2,907.76)	0.00
NHZ0	037833100	APPLE INC	500.000	06/20/16	J.P. MORGAN SECURITIES INC.	25.00	47,948.95	52,601.47	(4,652.52)	0.00
NHZ0	037833100	APPLE INC	1,500.000	10/27/16	INSTINET	60.00	172,426.78	159,858.07	12,568.71	0.00
NHZ0	037833100	APPLE INC	2,000.000	11/15/16	INSTINET	80.00	214,818.11	213,144.09	1,674.02	0.00
NHZ0	03852U106	ARAMARK	4,000.000	11/21/16	MORGAN STANLEY CO INCORPOR	240.00	137,386.99	146,299.27	(8,912.28)	0.00
NHZ0	049560105	ATMOS ENERGY CORP	2,500.000	07/18/16	BLOOMBERG TRADEBOOK LLC	75.00	199,406.15	184,694.34	14,711.81	0.00
NHZ0	049560105	ATMOS ENERGY CORP	3,700.000	07/25/16	BLOOMBERG TRADEBOOK LLC	111.00	295,111.48	273,347.62	21,763.86	0.00
NHZ0	049560105	ATMOS ENERGY CORP	2,000.000	07/27/16	INSTINET	80.00	158,031.95	147,755.47	10,276.48	0.00
NHZ0	049560105	ATMOS ENERGY CORP	2,000.000	08/12/16	J.P. MORGAN SECURITIES INC.	100.00	154,526.22	147,755.47	6,770.75	0.00
NHZ0	049560105	ATMOS ENERGY CORP	2,500.000	08/15/16	BLOOMBERG TRADEBOOK LLC	75.00	190,611.34	184,694.34	5,917.00	0.00
NHZ0	049560105	ATMOS ENERGY CORP	3,000.000	08/18/16	J.P. MORGAN SECURITIES INC.	150.00	226,649.85	221,633.21	5,016.64	0.00
NHZ0	049560105	ATMOS ENERGY CORP	1,800.000	08/22/16	BLOOMBERG TRADEBOOK LLC	54.00	135,219.53	132,979.92	2,239.61	0.00
NHZ0	049560105	ATMOS ENERGY CORP	2,000.000	08/25/16	MORGAN STANLEY CO INCORPOR	120.00	149,734.33	147,755.47	1,978.86	0.00
NHZ0	049560105	ATMOS ENERGY CORP	2,000.000	10/13/16	INSTINET	80.00	142,369.49	147,584.69	(5,215.20)	0.00
NHZ0	053484101	AVALONBAY COMMUNITIES INC	1,000.000	08/15/16	INSTINET	40.00	181,614.63	177,562.64	4,051.99	0.00
NHZ0	053484101	AVALONBAY COMMUNITIES INC	1,500.000	09/12/16	BLOOMBERG TRADEBOOK LLC	45.00	258,549.66	266,343.96	(7,794.30)	0.00
NHZ0	053484101	AVALONBAY COMMUNITIES INC	1,500.000	09/19/16	INSTINET	60.00	262,594.77	266,343.96	(3,749.19)	0.00

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SCHEDULE 4C
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<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>
NHZ0	053484101	AVALONBAY COMMUNITIES INC	1,500,000	10/06/16	MORGAN STANLEY CO INCORPOR	90.00	250,933.27	266,343.96	(15,410.69)	0.00
NHZ0	053484101	AVALONBAY COMMUNITIES INC	800,000	10/13/16	INSTINET	32.00	133,935.07	142,050.12	(8,115.05)	0.00
NHZ0	053484101	AVALONBAY COMMUNITIES INC	1,700,000	11/15/16	J.P. MORGAN SECURITIES INC.	85.00	280,453.93	301,856.49	(21,402.56)	0.00
NHZ0	053484101	AVALONBAY COMMUNITIES INC	1,800,000	11/21/16	J.P. MORGAN SECURITIES INC.	90.00	288,407.35	319,612.76	(31,205.41)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,900,000	03/01/16	MORGAN STANLEY CO INCORPOR	114.00	121,487.33	126,920.00	(5,432.67)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,700,000	03/07/16	INSTINET	68.00	109,826.95	113,560.00	(3,733.05)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,300,000	04/25/16	INSTINET	52.00	83,563.47	86,840.00	(3,276.53)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,500,000	04/26/16	BLOOMBERG TRADEBOOK LLC	45.00	97,805.36	100,200.00	(2,394.64)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,800,000	04/27/16	INSTINET	72.00	118,623.35	120,240.00	(1,616.65)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,600,000	04/28/16	J.P. MORGAN SECURITIES INC.	80.00	105,831.93	106,880.00	(1,048.07)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	1,000,000	05/25/16	BLOOMBERG TRADEBOOK LLC	30.00	64,141.30	66,800.00	(2,658.70)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	800,000	06/10/16	J.P. MORGAN SECURITIES INC.	40.00	51,952.22	53,440.00	(1,487.78)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	3,000,000	08/01/16	J.P. MORGAN SECURITIES INC.	150.00	199,509.14	200,436.11	(926.97)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	2,000,000	08/04/16	BLOOMBERG TRADEBOOK LLC	60.00	128,259.40	133,624.07	(5,364.67)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	800,000	08/11/16	J.P. MORGAN SECURITIES INC.	40.00	52,091.66	53,449.63	(1,357.97)	0.00
NHZ0	109194100	BRIGHT HORIZONS FAMILY SOLUT	3,200,000	08/12/16	J.P. MORGAN SECURITIES INC.	160.00	208,222.97	213,798.51	(5,575.54)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	2,000,000	02/25/16	MORGAN STANLEY CO INCORPOR	120.00	124,750.07	137,580.00	(12,829.93)	22,306.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	1,800,000	03/03/16	BLOOMBERG TRADEBOOK LLC	54.00	116,049.04	123,822.00	(7,772.96)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	2,400,000	03/24/16	J.P. MORGAN SECURITIES INC.	120.00	149,435.13	165,096.00	(15,660.87)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	3,000,000	08/10/16	J.P. MORGAN SECURITIES INC.	150.00	181,590.83	214,047.89	(32,457.06)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	3,000,000	08/11/16	J.P. MORGAN SECURITIES INC.	150.00	182,168.92	214,047.89	(31,878.97)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	6,000,000	08/12/16	MORGAN STANLEY CO INCORPOR	360.00	364,628.24	428,095.78	(63,467.54)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	6,000,000	08/15/16	BLOOMBERG TRADEBOOK LLC	180.00	363,250.07	428,095.77	(64,845.70)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	6,000,000	08/17/16	INSTINET	240.00	349,064.58	428,095.78	(79,031.20)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	2,000,000	08/18/16	J.P. MORGAN SECURITIES INC.	100.00	117,936.42	142,698.59	(24,762.17)	0.00
NHZ0	110122108	BRISTOL MYERS SQUIBB CO	4,500,000	08/22/16	BLOOMBERG TRADEBOOK LLC	135.00	266,183.59	321,071.83	(54,888.24)	0.00
NHZ0	125269100	CF INDUSTRIES HOLDINGS INC	2,000,000	05/10/16	BLOOMBERG TRADEBOOK LLC	60.00	60,692.67	67,425.90	(6,733.23)	3,750.00
NHZ0	125269100	CF INDUSTRIES HOLDINGS INC	1,500,000	05/16/16	BLOOMBERG TRADEBOOK LLC	45.00	42,937.16	50,569.42	(7,632.26)	0.00
NHZ0	125269100	CF INDUSTRIES HOLDINGS INC	1,000,000	05/18/16	J.P. MORGAN SECURITIES INC.	50.00	28,814.17	33,712.95	(4,898.78)	0.00
NHZ0	125269100	CF INDUSTRIES HOLDINGS INC	10,000,000	05/24/16	MORGAN STANLEY CO INCORPOR	600.00	280,101.88	337,129.47	(57,027.59)	0.00
NHZ0	126650100	CVS HEALTH CORP	1,700,000	04/14/16	J.P. MORGAN SECURITIES INC.	85.00	171,771.22	167,831.15	3,940.07	15,555.00
NHZ0	126650100	CVS HEALTH CORP	1,500,000	04/22/16	MORGAN STANLEY CO INCORPOR	90.00	151,289.24	148,086.31	3,202.93	0.00
NHZ0	126650100	CVS HEALTH CORP	2,100,000	06/07/16	J.P. MORGAN SECURITIES INC.	105.00	203,596.01	207,320.84	(3,724.83)	0.00
NHZ0	126650100	CVS HEALTH CORP	3,000,000	06/20/16	J.P. MORGAN SECURITIES INC.	150.00	280,943.87	296,172.62	(15,228.75)	0.00
NHZ0	126650100	CVS HEALTH CORP	3,000,000	06/23/16	J.P. MORGAN SECURITIES INC.	150.00	281,423.56	296,172.62	(14,749.06)	0.00
NHZ0	126650100	CVS HEALTH CORP	1,500,000	08/01/16	J.P. MORGAN SECURITIES INC.	75.00	140,287.89	148,086.31	(7,798.42)	0.00
NHZ0	126650100	CVS HEALTH CORP	1,500,000	08/02/16	BLOOMBERG TRADEBOOK LLC	45.00	146,445.10	148,086.31	(1,641.21)	0.00
NHZ0	126650100	CVS HEALTH CORP	3,000,000	08/25/16	J.P. MORGAN SECURITIES INC.	150.00	283,549.91	296,172.63	(12,622.72)	0.00
NHZ0	138098108	CANTEL MEDICAL CORP	1,000,000	04/28/16	J.P. MORGAN SECURITIES INC.	50.00	68,278.41	63,362.18	4,916.23	0.00
NHZ0	138098108	CANTEL MEDICAL CORP	2,000,000	04/29/16	J.P. MORGAN SECURITIES INC.	100.00	133,418.68	126,724.37	6,694.31	0.00
NHZ0	138098108	CANTEL MEDICAL CORP	3,000,000	05/12/16	BLOOMBERG TRADEBOOK LLC	90.00	197,033.60	190,086.55	6,947.05	0.00
NHZ0	138098108	CANTEL MEDICAL CORP	3,800,000	05/18/16	J.P. MORGAN SECURITIES INC.	190.00	251,508.91	240,776.30	10,732.61	0.00
NHZ0	138098108	CANTEL MEDICAL CORP	3,200,000	05/25/16	INSTINET	128.00	210,253.97	202,758.99	7,494.98	0.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
NH-Z0	138098108	CANTEL MEDICAL CORP	4,000.000	06/20/16	INSTINET	160.00	284,938.98	258,344.26	26,594.72	0.00
NH-Z0	138098108	CANTEL MEDICAL CORP	1,500.000	06/23/16	J.P. MORGAN SECURITIES INC.	75.00	106,188.98	96,879.10	9,309.88	0.00
NH-Z0	138098108	CANTEL MEDICAL CORP	1,500.000	07/06/16	INSTINET	60.00	100,707.05	96,879.10	3,827.95	0.00
NH-Z0	138098108	CANTEL MEDICAL CORP	3,000.000	07/25/16	INSTINET	120.00	195,265.44	193,758.19	1,507.25	0.00
NH-Z0	138098108	CANTEL MEDICAL CORP	1,000.000	07/27/16	BLOOMBERG TRADEBOOK LLC	30.00	65,826.76	64,586.06	1,240.70	0.00
NH-Z0	138098108	CANTEL MEDICAL CORP	2,500.000	08/25/16	INSTINET	100.00	179,300.58	165,021.92	14,278.66	0.00
NH-Z0	138098108	CANTEL MEDICAL CORP	4,000.000	11/02/16	INSTINET	160.00	283,645.81	279,158.24	4,487.57	0.00
NH-Z0	151020104	CELGENE CORP	1,600.000	01/28/16	BLOOMBERG TRADEBOOK LLC	48.00	157,994.69	191,616.00	(33,621.31)	0.00
NH-Z0	151020104	CELGENE CORP	1,600.000	02/02/16	MORGAN STANLEY CO INCORPOR	96.00	154,169.96	191,616.00	(37,446.04)	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	2,000.000	07/12/16	BLOOMBERG TRADEBOOK LLC	60.00	199,445.45	178,656.73	20,788.72	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	2,000.000	07/20/16	J.P. MORGAN SECURITIES INC.	100.00	199,428.65	178,656.73	20,771.92	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	2,000.000	07/21/16	MORGAN STANLEY CO INCORPOR	120.00	197,919.48	178,656.73	19,262.75	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	1,500.000	07/25/16	INSTINET	60.00	150,230.42	133,992.55	16,237.87	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	3,000.000	08/02/16	BLOOMBERG TRADEBOOK LLC	90.00	294,520.37	267,985.10	26,535.27	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	2,500.000	10/05/16	INSTINET	100.00	115,525.72	111,660.46	3,865.26	0.00
NH-Z0	171340102	CHURCH + DWIGHT CO INC	2,000.000	12/22/16	BLOOMBERG TRADEBOOK LLC	60.00	88,347.87	89,328.37	(980.50)	0.00
NH-Z0	171779309	CIENA CORP	4,000.000	10/13/16	BLOOMBERG TRADEBOOK LLC	120.00	82,467.79	81,827.32	640.47	0.00
NH-Z0	171779309	CIENA CORP	9,000.000	10/21/16	BLOOMBERG TRADEBOOK LLC	270.00	177,979.21	184,111.46	(6,132.25)	0.00
NH-Z0	171779309	CIENA CORP	9,000.000	10/26/16	BLOOMBERG TRADEBOOK LLC	270.00	183,137.90	184,111.46	(973.56)	0.00
NH-Z0	171779309	CIENA CORP	5,500.000	11/02/16	BLOOMBERG TRADEBOOK LLC	165.00	106,217.53	112,512.56	(6,295.03)	0.00
NH-Z0	172967424	CITIGROUP INC	3,000.000	06/10/16	MORGAN STANLEY CO INCORPOR	180.00	132,158.21	139,506.65	(7,348.44)	0.00
NH-Z0	172967424	CITIGROUP INC	2,000.000	07/07/16	J.P. MORGAN SECURITIES INC.	100.00	82,328.00	93,004.43	(10,676.43)	0.00
NH-Z0	172967424	CITIGROUP INC	6,500.000	07/11/16	BLOOMBERG TRADEBOOK LLC	195.00	276,129.57	302,264.40	(26,134.83)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	3,800.000	04/01/16	BLOOMBERG TRADEBOOK LLC	114.00	331,361.51	328,915.43	2,446.08	54,133.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	4,500.000	07/14/16	BLOOMBERG TRADEBOOK LLC	135.00	447,199.79	403,777.87	43,421.92	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	2,500.000	07/18/16	BLOOMBERG TRADEBOOK LLC	75.00	249,155.56	224,321.04	24,834.52	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	3,500.000	07/25/16	INSTINET	140.00	340,510.37	314,049.45	26,460.92	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	3,000.000	07/27/16	BLOOMBERG TRADEBOOK LLC	90.00	288,537.60	269,185.24	19,352.36	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	3,500.000	08/02/16	BLOOMBERG TRADEBOOK LLC	105.00	339,054.75	314,049.45	25,005.30	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	2,500.000	08/22/16	BLOOMBERG TRADEBOOK LLC	75.00	234,126.89	224,321.04	9,805.85	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	1,000.000	10/05/16	INSTINET	40.00	89,095.35	89,728.42	(633.07)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	2,500.000	10/06/16	BLOOMBERG TRADEBOOK LLC	75.00	222,578.64	224,321.04	(1,742.40)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	2,500.000	11/17/16	INSTINET	100.00	212,201.37	224,252.25	(12,050.88)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	2,000.000	11/23/16	BLOOMBERG TRADEBOOK LLC	60.00	168,363.52	179,401.80	(11,038.28)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	500.000	11/28/16	BLOOMBERG TRADEBOOK LLC	15.00	42,065.23	44,850.45	(2,785.22)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	1,000.000	12/15/16	MORGAN STANLEY CO INCORPOR	60.00	86,009.42	89,700.90	(3,691.48)	0.00
NH-Z0	22822V101	CROWN CASTLE INTL CORP	4,000.000	12/22/16	BLOOMBERG TRADEBOOK LLC	120.00	347,769.61	358,803.60	(11,033.99)	0.00
NH-Z0	235851102	DANAHER CORP	3,000.000	01/11/16	BLOOMBERG TRADEBOOK LLC	90.00	284,418.73	278,640.00	(5,778.73)	0.00
NH-Z0	235851102	DANAHER CORP	3,800.000	04/06/16	BLOOMBERG TRADEBOOK LLC	114.00	355,304.79	351,235.76	4,069.03	0.00
NH-Z0	235851102	DANAHER CORP	1,000.000	09/12/16	J.P. MORGAN SECURITIES INC.	50.00	92,950.07	92,430.46	519.61	0.00
NH-Z0	235851102	DANAHER CORP	6,000.000	04/11/16	INSTINET	240.00	468,766.77	436,228.06	32,538.71	0.00
NH-Z0	249030107	DENTSPLY INTERNATIONAL INC	3,300.000	02/11/16	INSTINET	132.00	186,121.21	200,805.00	(14,683.79)	2,399.75
NH-Z0	249030107	DENTSPLY INTERNATIONAL INC	32,800.000	03/01/16	MERGER NON CASH	0.00	1,983,765.40	1,983,765.40	0.00	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
NHZ0	24906P109	DENTSPLY SIRONA INC	3,300.000	04/01/16	BLOOMBERG TRADEBOOK LLC	99.00	203,708.84	199,586.15	4,122.69	3,627.00
NHZ0	24906P109	DENTSPLY SIRONA INC	5,900.000	04/06/16	INSTINET	236.00	357,289.12	356,835.85	453.27	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	2,500.000	04/12/16	J.P. MORGAN SECURITIES INC.	125.00	149,106.49	151,201.63	(2,095.14)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	4,000.000	04/13/16	J.P. MORGAN SECURITIES INC.	200.00	237,662.81	241,922.61	(4,259.80)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	2,000.000	04/25/16	INSTINET	80.00	122,125.53	120,961.31	1,164.22	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,500.000	04/26/16	BLOOMBERG TRADEBOOK LLC	45.00	90,945.86	90,720.98	224.88	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,500.000	05/03/16	BLOOMBERG TRADEBOOK LLC	45.00	89,533.34	90,720.98	(1,187.64)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	2,000.000	05/04/16	BLOOMBERG TRADEBOOK LLC	60.00	119,739.18	120,961.30	(1,222.12)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,000.000	05/05/16	MORGAN STANLEY CO INCORPOR	60.00	60,279.18	60,480.65	(201.47)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,700.000	07/27/16	J.P. MORGAN SECURITIES INC.	85.00	106,479.38	105,554.66	924.72	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	2,500.000	08/01/16	BLOOMBERG TRADEBOOK LLC	75.00	159,958.26	155,227.44	4,730.82	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,500.000	08/12/16	J.P. MORGAN SECURITIES INC.	75.00	91,364.35	93,136.47	(1,772.12)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,800.000	08/15/16	BLOOMBERG TRADEBOOK LLC	54.00	109,879.14	111,763.76	(1,884.62)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	1,500.000	08/17/16	BLOOMBERG TRADEBOOK LLC	45.00	89,562.59	93,136.47	(3,573.88)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	2,500.000	08/25/16	J.P. MORGAN SECURITIES INC.	125.00	151,219.70	155,227.44	(4,007.74)	0.00
NHZ0	24906P109	DENTSPLY SIRONA INC	6,000.000	09/19/16	INSTINET	240.00	358,195.18	372,545.86	(14,350.68)	0.00
NHZ0	278865100	ECOLAB INC	1,200.000	02/25/16	MORGAN STANLEY CO INCORPOR	72.00	122,217.21	137,256.00	(15,038.79)	0.00
NHZ0	278865100	ECOLAB INC	700.000	03/07/16	INSTINET	28.00	74,033.46	80,066.00	(6,032.54)	0.00
NHZ0	278865100	ECOLAB INC	600.000	03/15/16	BLOOMBERG TRADEBOOK LLC	18.00	62,179.34	68,628.00	(6,448.66)	0.00
NHZ0	278865100	ECOLAB INC	2,200.000	07/20/16	BLOOMBERG TRADEBOOK LLC	66.00	264,146.70	257,299.28	6,847.42	0.00
NHZ0	278865100	ECOLAB INC	1,200.000	07/27/16	J.P. MORGAN SECURITIES INC.	60.00	143,099.75	140,345.07	2,754.68	0.00
NHZ0	278865100	ECOLAB INC	1,100.000	08/01/16	J.P. MORGAN SECURITIES INC.	55.00	130,331.31	128,649.64	1,681.67	0.00
NHZ0	278865100	ECOLAB INC	1,000.000	08/02/16	BLOOMBERG TRADEBOOK LLC	30.00	121,686.04	116,954.22	4,731.82	0.00
NHZ0	278865100	ECOLAB INC	1,000.000	10/19/16	J.P. MORGAN SECURITIES INC.	50.00	117,150.04	116,954.22	195.82	0.00
NHZ0	278865100	ECOLAB INC	2,500.000	11/02/16	MORGAN STANLEY CO INCORPOR	150.00	280,216.13	292,385.55	(12,169.42)	0.00
NHZ0	278865100	ECOLAB INC	500.000	12/22/16	INSTINET	20.00	59,220.45	58,477.11	743.34	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	07/18/16	INSTINET	80.00	210,486.80	157,960.00	52,526.80	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	3,500.000	08/25/16	INSTINET	140.00	401,582.64	276,430.00	125,152.64	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	1,500.000	09/12/16	MORGAN STANLEY CO INCORPOR	90.00	173,989.95	118,470.00	55,499.95	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	10/27/16	INSTINET	80.00	184,080.18	157,960.00	26,100.18	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	2,700.000	11/02/16	BLOOMBERG TRADEBOOK LLC	81.00	244,559.58	213,246.00	31,313.58	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	11/23/16	BLOOMBERG TRADEBOOK LLC	60.00	171,876.65	157,960.00	13,916.65	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	700.000	11/28/16	BLOOMBERG TRADEBOOK LLC	21.00	59,448.72	55,286.00	4,162.72	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	2,000.000	12/01/16	BLOOMBERG TRADEBOOK LLC	60.00	162,915.04	157,960.00	4,955.04	0.00
NHZ0	28176E108	EDWARDS LIFESCIENCES CORP	3,600.000	12/08/16	J.P. MORGAN SECURITIES INC.	180.00	322,888.83	284,328.00	38,560.83	0.00
NHZ0	30303M102	FACEBOOK INC A	2,200.000	04/11/16	J.P. MORGAN SECURITIES INC.	110.00	241,289.63	232,522.25	8,767.38	0.00
NHZ0	30303M102	FACEBOOK INC A	1,500.000	06/23/16	MORGAN STANLEY CO INCORPOR	90.00	172,037.99	161,902.56	10,135.43	0.00
NHZ0	30303M102	FACEBOOK INC A	3,500.000	06/28/16	J.P. MORGAN SECURITIES INC.	175.00	391,956.45	377,772.64	14,183.81	0.00
NHZ0	30303M102	FACEBOOK INC A	1,000.000	09/12/16	MORGAN STANLEY CO INCORPOR	60.00	128,389.89	110,347.90	18,041.99	0.00
NHZ0	30303M102	FACEBOOK INC A	1,500.000	11/21/16	MORGAN STANLEY CO INCORPOR	90.00	182,398.57	174,334.46	8,064.11	0.00
NHZ0	30303M102	FACEBOOK INC A	1,500.000	12/01/16	BLOOMBERG TRADEBOOK LLC	45.00	172,451.53	174,334.46	(1,882.93)	0.00
NHZ0	30303M102	FACEBOOK INC A	2,000.000	12/22/16	BLOOMBERG TRADEBOOK LLC	60.00	234,957.07	232,445.94	2,511.13	0.00
NHZ0	30303M102	FACEBOOK INC A	2,000.000	12/27/16	INSTINET	80.00	236,828.23	232,445.94	4,382.29	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
NH-Z0	34959J108	FORTIVE CORP	3,200.000	08/02/16	MORGAN STANLEY CO INCORPOR	192.00	151,674.44	149,343.59	2,330.85	0.00
NH-Z0	34959J108	FORTIVE CORP	1,800.000	10/26/16	BLOOMBERG TRADEBOOK LLC	54.00	85,958.74	86,097.86	(139.12)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	1,500.000	01/20/16	MORGAN STANLEY CO INCORPOR	90.00	132,043.01	151,785.00	(19,741.99)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	1,300.000	01/28/16	J.P. MORGAN SECURITIES INC.	65.00	114,666.20	131,547.00	(16,880.80)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	1,200.000	02/01/16	MORGAN STANLEY CO INCORPOR	72.00	99,471.56	121,428.00	(21,956.44)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	1,100.000	02/02/16	BLOOMBERG TRADEBOOK LLC	33.00	90,829.39	111,309.00	(20,479.61)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	1,000.000	02/09/16	BLOOMBERG TRADEBOOK LLC	30.00	85,887.41	101,190.00	(15,302.59)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	900.000	02/10/16	J.P. MORGAN SECURITIES INC.	45.00	79,939.94	91,071.00	(11,131.06)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	2,000.000	02/11/16	INSTINET	80.00	173,521.61	202,380.00	(28,858.39)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	2,000.000	02/22/16	MORGAN STANLEY CO INCORPOR	120.00	177,796.72	202,380.00	(24,583.28)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	2,000.000	03/07/16	BLOOMBERG TRADEBOOK LLC	60.00	178,804.70	202,380.00	(23,575.30)	0.00
NH-Z0	375558103	GILEAD SCIENCES INC	1,900.000	03/10/16	BLOOMBERG TRADEBOOK LLC	57.00	167,271.78	192,261.00	(24,989.22)	0.00
NH-Z0	384109104	GRACO INC	1,500.000	07/22/16	INSTINET	60.00	110,708.83	124,622.40	(13,913.57)	6,600.00
NH-Z0	384109104	GRACO INC	3,000.000	07/25/16	INSTINET	120.00	222,547.74	249,244.80	(26,697.06)	0.00
NH-Z0	384109104	GRACO INC	5,500.000	07/27/16	BLOOMBERG TRADEBOOK LLC	165.00	408,318.79	456,948.80	(48,630.01)	0.00
NH-Z0	404280802	HSBC HOLDINGS PLC	5,200.000	07/12/16	J.P. MORGAN SECURITIES INC.	260.00	138,002.90	134,573.23	3,429.67	14,750.00
NH-Z0	404280802	HSBC HOLDINGS PLC	5,200.000	07/13/16	J.P. MORGAN SECURITIES INC.	260.00	138,024.22	134,573.23	3,450.99	0.00
NH-Z0	404280802	HSBC HOLDINGS PLC	10,600.000	07/18/16	J.P. MORGAN SECURITIES INC.	530.00	280,692.46	274,322.34	6,370.12	0.00
NH-Z0	456837202	ING GROEP NV	1,500.000	07/12/16	J.P. MORGAN SECURITIES INC.	75.00	39,422.88	39,250.75	172.13	12,998.44
NH-Z0	456837202	ING GROEP NV	2,600.000	07/13/16	J.P. MORGAN SECURITIES INC.	130.00	68,248.76	68,034.64	214.12	0.00
NH-Z0	456837202	ING GROEP NV	3,200.000	07/14/16	J.P. MORGAN SECURITIES INC.	160.00	84,246.15	83,734.94	511.21	0.00
NH-Z0	456837202	ING GROEP NV	7,700.000	07/15/16	J.P. MORGAN SECURITIES INC.	385.00	202,766.60	201,487.20	1,279.40	0.00
NH-Z0	456837202	ING GROEP NV	2,500.000	07/18/16	J.P. MORGAN SECURITIES INC.	125.00	65,842.31	65,417.92	424.39	0.00
NH-Z0	456837202	ING GROEP NV	12,500.000	07/19/16	J.P. MORGAN SECURITIES INC.	0.00	329,367.81	327,089.61	2,278.20	0.00
NH-Z0	458140100	INTEL CORP	10,000.000	10/20/16	BLOOMBERG TRADEBOOK LLC	300.00	353,760.28	360,459.98	(6,699.70)	0.00
NH-Z0	458140100	INTEL CORP	2,000.000	12/01/16	BLOOMBERG TRADEBOOK LLC	60.00	67,184.73	72,092.00	(4,907.27)	0.00
NH-Z0	459200101	INTL BUSINESS MACHINES CORP	2,000.000	09/12/16	INSTINET	80.00	316,213.70	301,703.82	14,509.88	0.00
NH-Z0	464287234	ISHARES MSCI EMERGING MARKETS	2,800.000	12/15/16	MORGAN STANLEY CO INCORPOR	168.00	98,839.52	103,798.42	(4,958.90)	0.00
NH-Z0	464287234	ISHARES MSCI EMERGING MARKETS	7,500.000	12/23/16	BLOOMBERG TRADEBOOK LLC	225.00	254,422.19	278,031.49	(23,609.30)	0.00
NH-Z0	464287655	ISHARES RUSSELL 2000 ETF	2,500.000	12/13/16	BLOOMBERG TRADEBOOK LLC	75.00	341,977.29	333,323.25	8,654.04	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	5,300.000	01/11/16	J.P. MORGAN SECURITIES INC.	265.00	106,902.73	120,045.00	(13,142.27)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	4,700.000	07/12/16	J.P. MORGAN SECURITIES INC.	235.00	97,451.29	106,455.00	(9,003.71)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	4,300.000	02/09/16	INSTINET	172.00	85,554.23	97,395.00	(11,840.77)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	4,000.000	02/10/16	BLOOMBERG TRADEBOOK LLC	120.00	80,586.64	90,600.00	(10,013.36)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	6,200.000	03/07/16	INSTINET	248.00	134,564.34	140,649.78	(6,085.44)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	5,000.000	03/15/16	BLOOMBERG TRADEBOOK LLC	150.00	100,989.79	113,427.25	(12,437.46)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	5,400.000	03/24/16	J.P. MORGAN SECURITIES INC.	270.00	108,763.34	122,501.42	(13,738.08)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	2,500.000	04/06/16	BLOOMBERG TRADEBOOK LLC	75.00	49,640.41	56,713.62	(7,073.21)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	2,500.000	04/07/16	INSTINET	100.00	49,321.42	56,713.62	(7,392.20)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	2,000.000	04/22/16	MORGAN STANLEY CO INCORPOR	120.00	40,282.91	45,370.90	(5,087.99)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	3,500.000	04/25/16	BLOOMBERG TRADEBOOK LLC	105.00	70,933.65	79,399.07	(8,465.42)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	1,500.000	05/03/16	INSTINET	60.00	29,614.45	34,028.17	(4,413.72)	0.00
NH-Z0	477143101	JETBLUE AIRWAYS CORP	2,000.000	05/04/16	BLOOMBERG TRADEBOOK LLC	60.00	38,623.15	45,370.90	(6,747.75)	0.00

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<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>
NH20	477143101	JETBLUE AIRWAYS CORP	2,000.000	05/05/16	J.P. MORGAN SECURITIES INC.	100.00	38,690.95	45,370.90	(6,679.95)	0.00
NH20	477143101	JETBLUE AIRWAYS CORP	9,000.000	05/10/16	BLOOMBERG TRADEBOOK LLC	270.00	173,624.20	204,189.05	(30,544.85)	0.00
NH20	478160104	JOHNSON + JOHNSON	4,000.000	11/22/16	BLOOMBERG TRADEBOOK LLC	120.00	451,080.16	446,571.52	4,508.64	0.00
NH20	48127A161	JPMORGAN CHASE + CO	700.000	07/12/16	J.P. MORGAN SECURITIES INC.	35.00	19,679.02	19,060.58	618.44	8,793.75
NH20	48127A161	JPMORGAN CHASE + CO	2,300.000	07/13/16	J.P. MORGAN SECURITIES INC.	115.00	64,572.00	62,627.62	1,944.38	0.00
NH20	48127A161	JPMORGAN CHASE + CO	1,400.000	07/14/16	J.P. MORGAN SECURITIES INC.	70.00	39,230.22	38,121.16	1,109.06	0.00
NH20	48127A161	JPMORGAN CHASE + CO	6,000.000	07/15/16	J.P. MORGAN SECURITIES INC.	300.00	167,729.93	163,376.41	4,353.52	0.00
NH20	48127A161	JPMORGAN CHASE + CO	3,100.000	07/18/16	J.P. MORGAN SECURITIES INC.	155.00	87,106.23	84,411.15	2,695.08	0.00
NH20	48127A161	JPMORGAN CHASE + CO	7,500.000	07/19/16	J.P. MORGAN SECURITIES INC.	0.00	211,495.38	204,220.51	7,274.87	0.00
NH20	501797104	L BRANDS INC	5,000.000	02/09/16	INSTINET	200.00	409,811.45	479,100.00	(69,288.55)	23,140.00
NH20	501797104	L BRANDS INC	1,000.000	02/10/16	J.P. MORGAN SECURITIES INC.	50.00	83,649.17	95,820.00	(12,170.83)	0.00
NH20	501797104	L BRANDS INC	4,500.000	02/22/16	MORGAN STANLEY CO INCORPOR	270.00	377,054.87	431,190.00	(54,135.13)	0.00
NH20	501797104	L BRANDS INC	2,200.000	03/01/16	MORGAN STANLEY CO INCORPOR	132.00	189,964.97	210,804.00	(20,839.03)	0.00
NH20	501797104	L BRANDS INC	200.000	03/07/16	BLOOMBERG TRADEBOOK LLC	6.00	17,295.54	19,164.00	(1,868.46)	0.00
NH20	501797104	L BRANDS INC	2,000.000	03/10/16	BLOOMBERG TRADEBOOK LLC	60.00	171,427.26	191,640.00	(20,212.74)	0.00
NH20	524660107	LEGGETT + PLATT INC	8,700.000	02/02/16	INSTINET	348.00	353,140.41	365,574.00	(12,433.59)	26,974.00
NH20	524660107	LEGGETT + PLATT INC	2,500.000	08/22/16	INSTINET	100.00	130,679.89	116,523.94	14,155.95	0.00
NH20	524660107	LEGGETT + PLATT INC	2,000.000	08/25/16	J.P. MORGAN SECURITIES INC.	100.00	104,821.51	93,219.16	11,602.35	0.00
NH20	524660107	LEGGETT + PLATT INC	6,400.000	09/28/16	INSTINET	256.00	295,345.23	298,301.30	(2,956.07)	0.00
NH20	524660107	LEGGETT + PLATT INC	6,400.000	10/03/16	BLOOMBERG TRADEBOOK LLC	192.00	290,530.62	298,301.30	(7,770.68)	0.00
NH20	524660107	LEGGETT + PLATT INC	6,300.000	10/13/16	J.P. MORGAN SECURITIES INC.	315.00	288,034.12	293,640.34	(5,606.22)	0.00
NH20	524660107	LEGGETT + PLATT INC	3,000.000	08/18/16	MORGAN STANLEY CO INCORPOR	180.00	229,412.49	226,773.97	2,638.52	11,025.00
NH20	548661107	LOWE S COS INC	2,500.000	09/12/16	BLOOMBERG TRADEBOOK LLC	75.00	181,258.29	188,978.31	(7,720.02)	0.00
NH20	548661107	LOWE S COS INC	3,000.000	09/19/16	INSTINET	120.00	214,227.42	226,773.97	(12,546.55)	0.00
NH20	548661107	LOWE S COS INC	2,000.000	09/22/16	MORGAN STANLEY CO INCORPOR	120.00	143,506.06	151,182.65	(7,676.59)	0.00
NH20	548661107	LOWE S COS INC	3,000.000	10/03/16	BLOOMBERG TRADEBOOK LLC	90.00	216,969.36	226,773.97	(9,804.61)	0.00
NH20	548661107	LOWE S COS INC	1,500.000	10/13/16	J.P. MORGAN SECURITIES INC.	75.00	106,652.77	113,386.98	(6,734.21)	0.00
NH20	548661107	LOWE S COS INC	1,000.000	10/17/16	BLOOMBERG TRADEBOOK LLC	30.00	70,254.76	75,591.32	(5,336.56)	0.00
NH20	548661107	LOWE S COS INC	3,500.000	10/19/16	J.P. MORGAN SECURITIES INC.	175.00	242,659.50	264,569.63	(21,910.13)	0.00
NH20	550021109	LULULEMON ATHLETICA INC	1,000.000	11/21/16	MORGAN STANLEY CO INCORPOR	60.00	55,768.98	58,509.42	(2,740.44)	0.00
NH20	550021109	LULULEMON ATHLETICA INC	1,000.000	12/01/16	INSTINET	40.00	56,562.56	58,509.42	(1,946.86)	0.00
NH20	56585A102	MARATHON PETROLEUM CORP	2,500.000	06/28/16	MORGAN STANLEY CO INCORPOR	150.00	85,469.38	99,758.72	(14,289.34)	4,800.00
NH20	56585A102	MARATHON PETROLEUM CORP	2,500.000	07/07/16	J.P. MORGAN SECURITIES INC.	125.00	89,617.54	99,758.72	(10,141.18)	0.00
NH20	56585A102	MARATHON PETROLEUM CORP	2,000.000	07/18/16	BLOOMBERG TRADEBOOK LLC	60.00	74,744.56	79,806.98	(5,062.42)	0.00
NH20	56585A102	MARATHON PETROLEUM CORP	8,000.000	07/20/16	J.P. MORGAN SECURITIES INC.	400.00	301,019.82	319,227.92	(18,208.10)	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,200.000	04/06/16	BLOOMBERG TRADEBOOK LLC	36.00	78,693.68	80,802.44	(2,108.76)	4,550.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,700.000	04/22/16	MORGAN STANLEY CO INCORPOR	102.00	111,773.07	114,470.12	(2,697.05)	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,500.000	04/25/16	BLOOMBERG TRADEBOOK LLC	45.00	100,281.81	101,003.04	(721.23)	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,000.000	04/28/16	J.P. MORGAN SECURITIES INC.	50.00	69,883.37	67,335.36	2,548.01	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	700.000	05/18/16	MORGAN STANLEY CO INCORPOR	42.00	45,879.93	47,134.75	(1,254.82)	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	1,500.000	05/25/16	INSTINET	60.00	98,800.29	101,003.05	(2,202.76)	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	500.000	05/31/16	BLOOMBERG TRADEBOOK LLC	15.00	32,988.78	33,667.68	(698.90)	0.00
NH20	571903202	MARRIOTT INTERNATIONAL CL A	500.000	06/03/16	J.P. MORGAN SECURITIES INC.	25.00	33,775.41	33,667.68	107.73	0.00

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NH-Z0	571903202	MARriott INTERNATIONAL CL A	800.000	06/08/16	MORGAN STANLEY CO INCORPOR	48.00	54,122.81	53,868.29	254.52	0.00
NH-Z0	571903202	MARriott INTERNATIONAL CL A	3,000.000	06/21/16	J.P. MORGAN SECURITIES INC.	150.00	202,140.98	202,006.09	134.89	0.00
NH-Z0	574599106	MASCO CORP	3,600.000	01/12/16	J.P. MORGAN SECURITIES INC.	180.00	91,482.59	101,880.00	(10,397.41)	0.00
NH-Z0	574599106	MASCO CORP	6,000.000	02/03/16	J.P. MORGAN SECURITIES INC.	300.00	149,594.04	169,800.00	(20,205.96)	0.00
NH-Z0	574599106	MASCO CORP	7,000.000	05/05/16	MORGAN STANLEY CO INCORPOR	280.00	215,535.09	199,088.85	16,466.24	0.00
NH-Z0	574599106	MASCO CORP	4,400.000	06/10/16	J.P. MORGAN SECURITIES INC.	220.00	137,369.84	127,316.83	10,053.01	0.00
NH-Z0	574599106	MASCO CORP	2,500.000	06/23/16	MORGAN STANLEY CO INCORPOR	150.00	78,111.29	72,339.11	5,772.18	0.00
NH-Z0	574599106	MASCO CORP	6,500.000	07/07/16	INSTINET	260.00	201,522.90	188,081.68	13,441.22	0.00
NH-Z0	574599106	MASCO CORP	5,500.000	10/26/16	BLOOMBERG TRADEBOOK LLC	165.00	168,009.23	173,714.93	(5,705.70)	0.00
NH-Z0	574599106	MASCO CORP	2,500.000	12/01/16	BLOOMBERG TRADEBOOK LLC	75.00	75,654.59	79,374.59	(3,720.00)	0.00
NH-Z0	574599106	MASCO CORP	2,500.000	12/22/16	INSTINET	100.00	80,482.49	79,374.59	1,107.90	0.00
NH-Z0	57636Q104	MASTERCARD INC A	500.000	02/04/16	J.P. MORGAN SECURITIES INC.	25.00	43,126.10	48,680.00	(5,553.90)	3,857.00
NH-Z0	57636Q104	MASTERCARD INC A	1,000.000	02/09/16	BLOOMBERG TRADEBOOK LLC	30.00	82,854.87	97,360.00	(14,505.13)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	900.000	02/10/16	INSTINET	36.00	75,642.09	87,624.00	(11,981.91)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	800.000	02/11/16	J.P. MORGAN SECURITIES INC.	40.00	65,278.81	77,888.00	(12,609.19)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	700.000	02/25/16	MORGAN STANLEY CO INCORPOR	42.00	59,862.55	68,152.00	(8,289.45)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	1,000.000	03/07/16	INSTINET	40.00	88,069.27	97,360.00	(9,290.73)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	600.000	03/15/16	BLOOMBERG TRADEBOOK LLC	18.00	53,509.95	58,416.00	(4,906.05)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	800.000	04/06/16	INSTINET	32.00	75,286.43	77,888.00	(2,601.57)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	400.000	05/25/16	BLOOMBERG TRADEBOOK LLC	12.00	38,583.15	38,855.06	(271.91)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	300.000	07/07/16	J.P. MORGAN SECURITIES INC.	15.00	26,264.06	29,141.30	(2,877.24)	0.00
NH-Z0	57636Q104	MASTERCARD INC A	5,000.000	08/30/16	INSTINET	200.00	484,324.43	485,436.29	(1,111.86)	0.00
NH-Z0	58155Q103	MCKESSON CORP	800.000	01/11/16	INSTINET	32.00	132,083.96	157,784.00	(25,700.04)	1,680.00
NH-Z0	58155Q103	MCKESSON CORP	700.000	01/12/16	MORGAN STANLEY CO INCORPOR	42.00	114,877.26	138,061.00	(23,183.74)	0.00
NH-Z0	58155Q103	MCKESSON CORP	400.000	01/14/16	MORGAN STANLEY CO INCORPOR	24.00	66,272.54	78,892.00	(12,619.46)	0.00
NH-Z0	58155Q103	MCKESSON CORP	1,200.000	01/27/16	J.P. MORGAN SECURITIES INC.	60.00	204,022.28	236,676.00	(32,653.72)	0.00
NH-Z0	58155Q103	MCKESSON CORP	1,100.000	01/28/16	BLOOMBERG TRADEBOOK LLC	33.00	176,282.75	216,953.00	(40,670.25)	0.00
NH-Z0	58155Q103	MCKESSON CORP	1,200.000	02/02/16	BLOOMBERG TRADEBOOK LLC	36.00	187,755.26	236,676.00	(48,920.74)	0.00
NH-Z0	59156R108	METLIFE INC	800.000	05/10/16	BLOOMBERG TRADEBOOK LLC	24.00	35,095.63	37,074.86	(1,979.23)	3,200.00
NH-Z0	59156R108	METLIFE INC	1,500.000	05/16/16	INSTINET	60.00	65,349.82	69,515.35	(4,165.53)	0.00
NH-Z0	59156R108	METLIFE INC	5,700.000	05/24/16	BLOOMBERG TRADEBOOK LLC	171.00	258,359.97	264,158.34	(5,798.37)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	1,800.000	01/27/16	INSTINET	18.00	296,925.41	340,902.00	(43,976.59)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	1,000.000	01/28/16	MORGAN STANLEY CO INCORPOR	60.00	163,862.48	189,390.00	(25,527.52)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	600.000	02/09/16	J.P. MORGAN SECURITIES INC.	30.00	92,972.78	113,634.00	(20,661.22)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	1,400.000	02/10/16	J.P. MORGAN SECURITIES INC.	70.00	219,345.25	285,146.00	(65,800.75)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	1,400.000	02/11/16	J.P. MORGAN SECURITIES INC.	70.00	215,693.15	265,146.00	(49,452.85)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	700.000	04/06/16	INSTINET	28.00	134,322.66	131,784.20	2,538.46	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	1,300.000	06/28/16	MORGAN STANLEY CO INCORPOR	78.00	236,477.58	248,476.81	(11,999.23)	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	2,000.000	09/28/16	INSTINET	80.00	401,605.24	393,639.13	7,966.11	0.00
NH-Z0	608190104	MOHAWK INDUSTRIES INC	3,500.000	10/03/16	BLOOMBERG TRADEBOOK LLC	105.00	694,845.79	688,868.49	5,977.30	0.00
NH-Z0	63910B102	NAUTILUS INC	3,300.000	02/10/16	BLOOMBERG TRADEBOOK LLC	99.00	62,518.78	55,176.00	7,342.78	0.00
NH-Z0	63910B102	NAUTILUS INC	9,300.000	05/05/16	J.P. MORGAN SECURITIES INC.	372.00	155,567.93	166,151.52	(10,583.59)	0.00
NH-Z0	63910B102	NAUTILUS INC	4,500.000	06/20/16	MORGAN STANLEY CO INCORPOR	270.00	85,736.17	82,090.30	3,645.87	0.00

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NH-Z0	63910B102	NAUTILUS INC	4,000.000	06/23/16	J.P. MORGAN SECURITIES INC.	200.00	72,020.02	72,969.16	(949.14)	0.00
NH-Z0	63910B102	NAUTILUS INC	5,000.000	07/14/16	J.P. MORGAN SECURITIES INC.	250.00	91,400.50	91,211.45	189.05	0.00
NH-Z0	63910B102	NAUTILUS INC	5,000.000	10/05/16	INSTINET	200.00	107,258.65	91,606.41	15,652.24	0.00
NH-Z0	63910B102	NAUTILUS INC	3,000.000	10/19/16	J.P. MORGAN SECURITIES INC.	150.00	61,648.65	54,963.85	6,684.80	0.00
NH-Z0	63910B102	NAUTILUS INC	2,000.000	10/20/16	BLOOMBERG TRADEBOOK LLC	60.00	40,942.90	36,642.56	4,300.34	0.00
NH-Z0	63910B102	NAUTILUS INC	2,000.000	10/21/16	BLOOMBERG TRADEBOOK LLC	60.00	40,385.71	36,642.56	3,743.15	0.00
NH-Z0	63910B102	NAUTILUS INC	2,500.000	10/24/16	BLOOMBERG TRADEBOOK LLC	75.00	50,009.40	45,803.20	4,206.20	0.00
NH-Z0	63910B102	NAUTILUS INC	5,000.000	10/26/16	BLOOMBERG TRADEBOOK LLC	150.00	91,030.01	91,606.41	(576.40)	0.00
NH-Z0	63910B102	NAUTILUS INC	5,000.000	11/02/16	BLOOMBERG TRADEBOOK LLC	150.00	80,637.73	91,606.41	(10,968.68)	0.00
NH-Z0	63910B102	NAUTILUS INC	10,000.000	11/14/16	BLOOMBERG TRADEBOOK LLC	300.00	169,554.29	183,212.82	(13,658.53)	0.00
NH-Z0	65339F101	NEXTERA ENERGY INC	1,500.000	07/12/16	BLOOMBERG TRADEBOOK LLC	45.00	191,836.06	178,415.77	13,420.29	0.00
NH-Z0	65339F101	NEXTERA ENERGY INC	4,500.000	07/25/16	BLOOMBERG TRADEBOOK LLC	135.00	581,368.87	535,247.30	46,121.57	0.00
NH-Z0	65339F101	NEXTERA ENERGY INC	1,000.000	07/27/16	INSTINET	40.00	127,627.01	118,943.85	8,683.16	0.00
NH-Z0	654106103	NIKE INC CL B	1,000.000	08/15/16	BLOOMBERG TRADEBOOK LLC	30.00	125,926.45	118,943.84	6,982.61	0.00
NH-Z0	654106103	NIKE INC CL B	1,500.000	08/18/16	MORGAN STANLEY CO INCORPOR	90.00	190,205.90	178,415.77	11,790.13	0.00
NH-Z0	654106103	NIKE INC CL B	1,500.000	11/28/16	J.P. MORGAN SECURITIES INC.	75.00	173,783.80	182,540.58	(8,756.78)	0.00
NH-Z0	65339F101	NEXTERA ENERGY INC	3,000.000	12/01/16	INSTINET	120.00	338,714.81	365,081.15	(26,366.34)	0.00
NH-Z0	654106103	NIKE INC CL B	3,700.000	01/27/16	INSTINET	37.00	222,084.34	231,250.00	(9,165.66)	12,096.00
NH-Z0	654106103	NIKE INC CL B	3,200.000	03/15/16	INSTINET	128.00	196,353.15	200,000.00	(3,646.85)	0.00
NH-Z0	654106103	NIKE INC CL B	6,100.000	04/01/16	BLOOMBERG TRADEBOOK LLC	183.00	376,019.58	381,250.00	(5,230.42)	0.00
NH-Z0	654106103	NIKE INC CL B	2,400.000	04/06/16	BLOOMBERG TRADEBOOK LLC	72.00	144,905.71	150,000.00	(5,094.29)	0.00
NH-Z0	654106103	NIKE INC CL B	1,500.000	04/07/16	INSTINET	60.00	89,997.58	93,750.00	(3,752.42)	0.00
NH-Z0	654106103	NIKE INC CL B	2,000.000	04/11/16	J.P. MORGAN SECURITIES INC.	100.00	116,045.86	125,000.00	(8,954.14)	0.00
NH-Z0	654106103	NIKE INC CL B	2,700.000	04/12/16	J.P. MORGAN SECURITIES INC.	135.00	156,663.81	168,750.00	(12,086.19)	0.00
NH-Z0	654106103	NIKE INC CL B	1,800.000	04/13/16	J.P. MORGAN SECURITIES INC.	90.00	106,369.75	112,500.00	(6,130.25)	0.00
NH-Z0	654106103	NIKE INC CL B	1,500.000	04/22/16	MORGAN STANLEY CO INCORPOR	90.00	88,601.56	93,750.00	(5,148.44)	0.00
NH-Z0	654106103	NIKE INC CL B	2,000.000	04/25/16	BLOOMBERG TRADEBOOK LLC	60.00	118,396.41	125,000.00	(6,603.59)	0.00
NH-Z0	654106103	NIKE INC CL B	1,500.000	04/27/16	INSTINET	60.00	88,418.27	93,750.00	(5,331.73)	0.00
NH-Z0	654106103	NIKE INC CL B	1,300.000	04/28/16	J.P. MORGAN SECURITIES INC.	65.00	76,879.28	81,250.00	(4,370.72)	0.00
NH-Z0	654106103	NIKE INC CL B	700.000	05/05/16	MORGAN STANLEY CO INCORPOR	42.00	40,620.53	43,750.00	(3,129.47)	0.00
NH-Z0	654106103	NIKE INC CL B	1,000.000	05/12/16	BLOOMBERG TRADEBOOK LLC	30.00	57,938.63	62,500.00	(4,561.37)	0.00
NH-Z0	654106103	NIKE INC CL B	900.000	05/16/16	BLOOMBERG TRADEBOOK LLC	27.00	51,608.29	56,250.00	(4,641.71)	0.00
NH-Z0	654106103	NIKE INC CL B	600.000	05/31/16	BLOOMBERG TRADEBOOK LLC	18.00	33,116.51	37,500.00	(4,383.49)	0.00
NH-Z0	654106103	NIKE INC CL B	1,000.000	06/03/16	J.P. MORGAN SECURITIES INC.	50.00	53,608.23	62,500.00	(8,891.77)	0.00
NH-Z0	654106103	NIKE INC CL B	3,500.000	06/08/16	MORGAN STANLEY CO INCORPOR	210.00	188,410.68	218,750.00	(30,339.32)	0.00
NH-Z0	67103H107	O REILLY AUTOMOTIVE INC	400.000	05/16/16	INSTINET	16.00	104,891.79	101,725.76	3,166.03	0.00
NH-Z0	67103H107	O REILLY AUTOMOTIVE INC	400.000	05/18/16	J.P. MORGAN SECURITIES INC.	20.00	101,661.02	101,725.76	(64.74)	0.00
NH-Z0	67103H107	O REILLY AUTOMOTIVE INC	300.000	05/25/16	INSTINET	12.00	78,789.38	76,294.32	2,495.06	0.00
NH-Z0	67103H107	O REILLY AUTOMOTIVE INC	300.000	06/10/16	J.P. MORGAN SECURITIES INC.	15.00	78,814.10	76,294.32	2,519.78	0.00
NH-Z0	67103H107	O REILLY AUTOMOTIVE INC	600.000	07/12/16	BLOOMBERG TRADEBOOK LLC	18.00	165,547.31	152,588.63	12,958.68	0.00
NH-Z0	67103H107	O REILLY AUTOMOTIVE INC	3,000.000	08/30/16	INSTINET	120.00	833,721.72	794,474.63	39,247.09	0.00
NH-Z0	683745103	OPHTHOTEC CORP	4,200.000	01/27/16	CHARDAN CAPITAL MARKETS	168.00	235,645.18	329,826.00	(94,180.82)	0.00
NH-Z0	683745103	OPHTHOTEC CORP	8,000.000	12/12/16	CHARDAN CAPITAL MARKETS	320.00	48,446.37	300,202.34	(251,755.97)	0.00

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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
NH-Z0	693506107	PPG INDUSTRIES INC	1,800,000	06/08/16	MORGAN STANLEY CO INCORPOR	108.00	198,201.05	201,971.69	(3,770.64)	600.00
NH-Z0	697435105	PALO ALTO NETWORKS INC	1,000,000	01/20/16	MORGAN STANLEY CO INCORPOR	60.00	141,908.18	176,140.00	(34,231.82)	0.00
NH-Z0	697435105	PALO ALTO NETWORKS INC	2,900,000	01/21/16	J.P. MORGAN SECURITIES INC.	145.00	431,590.93	510,806.00	(79,215.07)	0.00
NH-Z0	697435105	PALO ALTO NETWORKS INC	1,500,000	01/27/16	J.P. MORGAN SECURITIES INC.	75.00	219,347.41	264,210.00	(44,862.59)	0.00
NH-Z0	697435105	PALO ALTO NETWORKS INC	1,500,000	01/28/16	BLOOMBERG TRADEBOOK LLC	45.00	208,637.01	264,210.00	(55,572.99)	0.00
NH-Z0	697435105	PALO ALTO NETWORKS INC	1,500,000	02/04/16	MORGAN STANLEY CO INCORPOR	90.00	217,471.09	264,210.00	(46,738.91)	0.00
NH-Z0	697435105	PALO ALTO NETWORKS INC	1,400,000	02/09/16	MORGAN STANLEY CO INCORPOR	84.00	165,967.08	246,596.00	(80,628.92)	0.00
NH-Z0	720186105	PIEDMONT NATURAL GAS CO	3,500,000	05/25/16	BLOOMBERG TRADEBOOK LLC	105.00	359,051.36	353,722.53	5,328.83	6,290.00
NH-Z0	720186105	PIEDMONT NATURAL GAS CO	3,000,000	05/27/16	J.P. MORGAN SECURITIES INC.	150.00	209,957.27	206,338.15	3,619.12	0.00
NH-Z0	720186105	PIEDMONT NATURAL GAS CO	3,000,000	05/31/16	BLOOMBERG TRADEBOOK LLC	90.00	179,550.88	176,861.27	2,689.61	0.00
NH-Z0	720186105	PIEDMONT NATURAL GAS CO	3,000,000	06/03/16	MORGAN STANLEY CO INCORPOR	180.00	179,993.97	176,861.27	3,132.70	0.00
NH-Z0	742718109	PROCTER + GAMBLE CO WHEN DIS	1,500,000	11/21/16	J.P. MORGAN SECURITIES INC.	75.00	180,434.96	176,861.26	3,573.70	0.00
NH-Z0	742718109	PROCTER + GAMBLE CO WHEN DIS	1,500,000	11/23/16	BLOOMBERG TRADEBOOK LLC	45.00	123,688.50	130,278.38	(6,589.88)	0.00
NH-Z0	742718109	PROCTER + GAMBLE CO WHEN DIS	2,000,000	11/28/16	J.P. MORGAN SECURITIES INC.	100.00	123,947.99	130,278.38	(6,330.39)	0.00
NH-Z0	742718109	PROCTER + GAMBLE CO WHEN DIS	1,000,000	12/15/16	MORGAN STANLEY CO INCORPOR	60.00	166,225.97	173,704.51	(7,478.54)	0.00
NH-Z0	742718109	PROCTER + GAMBLE CO WHEN DIS	1,500,000	12/22/16	BLOOMBERG TRADEBOOK LLC	45.00	84,422.95	86,852.25	(2,429.30)	0.00
NH-Z0	74736K101	QORVO INC	2,600,000	01/11/16	MORGAN STANLEY CO INCORPOR	156.00	126,596.03	130,278.38	(3,682.35)	0.00
NH-Z0	74736K101	QORVO INC	1,900,000	01/12/16	MORGAN STANLEY CO INCORPOR	114.00	113,027.45	132,340.00	(19,312.55)	0.00
NH-Z0	74736K101	QORVO INC	2,200,000	01/14/16	MORGAN STANLEY CO INCORPOR	132.00	84,760.66	96,710.00	(11,949.34)	0.00
NH-Z0	74736K101	QORVO INC	1,000,000	01/20/16	J.P. MORGAN SECURITIES INC.	50.00	86,635.72	111,980.00	(25,344.28)	0.00
NH-Z0	74736K101	QORVO INC	5,300,000	01/21/16	J.P. MORGAN SECURITIES INC.	265.00	199,148.07	269,770.00	(70,621.93)	0.00
NH-Z0	74834L100	QUEST DIAGNOSTICS INC	1,400,000	02/10/16	INSTINET	56.00	87,865.44	99,596.00	(11,730.56)	0.00
NH-Z0	74834L100	QUEST DIAGNOSTICS INC	3,000,000	08/25/16	INSTINET	120.00	250,013.04	220,337.41	29,675.63	0.00
NH-Z0	756577102	RED HAT INC	1,200,000	07/07/16	BLOOMBERG TRADEBOOK LLC	36.00	85,645.61	94,487.69	(8,842.08)	0.00
NH-Z0	756577102	RED HAT INC	1,800,000	07/11/16	BLOOMBERG TRADEBOOK LLC	54.00	131,548.69	141,731.54	(10,182.85)	0.00
NH-Z0	756577102	RED HAT INC	1,000,000	08/01/16	BLOOMBERG TRADEBOOK LLC	30.00	74,623.87	78,739.75	(4,115.88)	0.00
NH-Z0	756577102	RED HAT INC	1,000,000	08/15/16	INSTINET	40.00	73,796.29	78,739.75	(4,943.46)	0.00
NH-Z0	756577102	RED HAT INC	2,000,000	10/13/16	BLOOMBERG TRADEBOOK LLC	60.00	153,882.44	157,479.49	(3,597.05)	0.00
NH-Z0	756577102	RED HAT INC	1,500,000	10/17/16	BLOOMBERG TRADEBOOK LLC	45.00	115,309.83	118,109.62	(2,799.79)	0.00
NH-Z0	756577102	RED HAT INC	2,000,000	11/15/16	INSTINET	80.00	153,746.64	157,479.49	(3,732.85)	0.00
NH-Z0	756577102	RED HAT INC	2,000,000	11/28/16	MORGAN STANLEY CO INCORPOR	120.00	156,502.78	157,479.49	(976.71)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	300,000	01/12/16	CHARDAN CAPITAL MARKETS	12.00	140,885.88	162,861.00	(21,975.12)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	300,000	01/20/16	CHARDAN CAPITAL MARKETS	12.00	133,524.44	162,861.00	(29,336.56)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	200,000	01/21/16	CHARDAN CAPITAL MARKETS	8.00	92,454.29	108,574.00	(16,119.71)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	200,000	01/28/16	CHARDAN CAPITAL MARKETS	8.00	83,463.90	108,574.00	(25,110.10)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	500,000	02/01/16	CHARDAN CAPITAL MARKETS	20.00	207,016.07	271,435.00	(64,418.93)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	200,000	02/02/16	CHARDAN CAPITAL MARKETS	8.00	81,591.60	108,574.00	(26,982.40)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	400,000	02/04/16	CHARDAN CAPITAL MARKETS	16.00	166,413.99	217,148.00	(50,734.01)	0.00
NH-Z0	75886F107	REGENERON PHARMACEUTICALS	400,000	02/09/16	CHARDAN CAPITAL MARKETS	16.00	147,433.58	217,148.00	(69,714.42)	0.00
NH-Z0	759351604	REINSURANCE GROUP OF AMERICA	1,000,000	06/23/16	MORGAN STANLEY CO INCORPOR	60.00	96,901.58	89,745.51	7,156.07	0.00
NH-Z0	759351604	REINSURANCE GROUP OF AMERICA	1,900,000	07/11/16	BLOOMBERG TRADEBOOK LLC	57.00	180,333.61	170,516.47	9,817.14	0.00
NH-Z0	780287108	ROYAL GOLD INC	1,500,000	08/15/16	MORGAN STANLEY CO INCORPOR	90.00	125,471.21	109,223.62	16,247.59	0.00

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NHZ0	780287108	ROYAL GOLD INC	1,500.000	08/24/16	J.P. MORGAN SECURITIES INC.	75.00	118,228.02	109,223.62	9,004.40	0.00
NHZ0	780287108	ROYAL GOLD INC	2,000.000	08/25/16	INSTINET	80.00	151,821.28	145,631.49	6,189.79	0.00
NHZ0	780287108	ROYAL GOLD INC	6,000.000	09/12/16	J.P. MORGAN SECURITIES INC.	300.00	468,688.77	436,894.47	31,794.30	0.00
NHZ0	78462F103	SPDR S+P500 ETF TRUST	6,000.000	11/23/16	MORGAN STANLEY CO INCORPOR	360.00	1,321,686.57	1,281,529.20	40,157.37	0.00
NHZ0	78462F103	SPDR S+P500 ETF TRUST	6,000.000	11/28/16	MORGAN STANLEY CO INCORPOR	360.00	1,326,024.48	1,281,529.20	44,495.28	0.00
NHZ0	78462F103	SPDR S+P500 ETF TRUST	3,000.000	12/05/16	J.P. MORGAN SECURITIES INC.	150.00	661,575.57	640,764.60	20,810.97	0.00
NHZ0	78462F103	SPDR S+P500 ETF TRUST	2,000.000	12/08/16	J.P. MORGAN SECURITIES INC.	100.00	449,466.39	427,176.40	22,289.99	0.00
NHZ0	78462F103	SPDR S+P500 ETF TRUST	2,000.000	12/15/16	MORGAN STANLEY CO INCORPOR	120.00	453,408.51	427,176.40	26,232.11	0.00
NHZ0	78573M104	SABRE CORP	3,000.000	02/09/16	BLOOMBERG TRADEBOOK LLC	90.00	70,723.99	83,910.00	(13,186.01)	9,425.00
NHZ0	78573M104	SABRE CORP	3,000.000	02/10/16	BLOOMBERG TRADEBOOK LLC	90.00	77,253.11	83,910.00	(6,656.89)	0.00
NHZ0	78573M104	SABRE CORP	3,000.000	04/25/16	INSTINET	120.00	83,777.67	83,845.94	(68.27)	0.00
NHZ0	78573M104	SABRE CORP	3,000.000	05/25/16	BLOOMBERG TRADEBOOK LLC	90.00	84,225.26	83,845.94	379.32	0.00
NHZ0	78573M104	SABRE CORP	7,000.000	06/21/16	INSTINET	280.00	185,586.24	195,640.52	(10,054.28)	0.00
NHZ0	78573M104	SABRE CORP	5,000.000	06/23/16	J.P. MORGAN SECURITIES INC.	250.00	133,327.08	139,743.23	(6,416.15)	0.00
NHZ0	78573M104	SABRE CORP	2,000.000	08/11/16	J.P. MORGAN SECURITIES INC.	100.00	53,181.23	56,706.98	(3,525.75)	0.00
NHZ0	78573M104	SABRE CORP	2,000.000	08/12/16	J.P. MORGAN SECURITIES INC.	100.00	54,102.41	56,706.98	(2,604.57)	0.00
NHZ0	78573M104	SABRE CORP	4,500.000	08/22/16	INSTINET	180.00	122,360.42	127,590.70	(5,230.28)	0.00
NHZ0	78573M104	SABRE CORP	8,000.000	10/05/16	J.P. MORGAN SECURITIES INC.	400.00	218,680.82	225,250.43	(6,569.61)	0.00
NHZ0	78573M104	SABRE CORP	8,500.000	10/13/16	INSTINET	340.00	222,170.69	239,328.58	(17,157.89)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	1,500.000	01/28/16	MORGAN STANLEY CO INCORPOR	90.00	98,506.78	117,600.00	(19,093.22)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	1,400.000	02/04/16	J.P. MORGAN SECURITIES INC.	70.00	92,801.07	109,760.00	(16,958.93)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	4,000.000	02/09/16	MORGAN STANLEY CO INCORPOR	240.00	227,164.21	313,600.00	(86,435.79)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	2,000.000	02/10/16	MORGAN STANLEY CO INCORPOR	120.00	118,417.81	156,800.00	(38,382.19)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	1,500.000	02/11/16	MORGAN STANLEY CO INCORPOR	90.00	88,246.52	117,600.00	(29,353.48)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	500.000	02/22/16	J.P. MORGAN SECURITIES INC.	25.00	31,810.00	39,200.00	(7,390.00)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	400.000	03/01/16	J.P. MORGAN SECURITIES INC.	20.00	27,691.39	31,360.00	(3,668.61)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	3,700.000	03/07/16	BLOOMBERG TRADEBOOK LLC	111.00	257,965.03	290,080.00	(32,114.97)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	2,200.000	08/01/16	BLOOMBERG TRADEBOOK LLC	66.00	177,464.62	182,365.48	(4,900.86)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	2,500.000	08/02/16	BLOOMBERG TRADEBOOK LLC	75.00	199,401.90	207,233.50	(7,831.60)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	1,500.000	08/04/16	BLOOMBERG TRADEBOOK LLC	45.00	120,850.56	124,340.10	(3,489.54)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	800.000	08/15/16	INSTINET	32.00	63,184.54	66,314.72	(3,130.18)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	3,000.000	08/17/16	BLOOMBERG TRADEBOOK LLC	90.00	229,013.50	248,680.20	(19,666.70)	0.00
NHZ0	79466L302	SALESFORCE.COM INC	4,500.000	08/18/16	MORGAN STANLEY CO INCORPOR	270.00	345,119.07	373,020.30	(27,901.23)	0.00
NHZ0	806407102	HENRY SCHEIN INC	2,400.000	01/28/16	J.P. MORGAN SECURITIES INC.	120.00	352,712.38	379,656.00	(26,943.62)	0.00
NHZ0	806407102	HENRY SCHEIN INC	1,500.000	08/12/16	MORGAN STANLEY CO INCORPOR	90.00	248,723.52	242,686.73	6,036.79	0.00
NHZ0	806407102	HENRY SCHEIN INC	1,000.000	08/15/16	BLOOMBERG TRADEBOOK LLC	30.00	165,229.89	161,791.15	3,438.74	0.00
NHZ0	806407102	HENRY SCHEIN INC	3,000.000	08/17/16	INSTINET	120.00	484,173.54	485,373.46	(1,199.92)	0.00
NHZ0	806407102	HENRY SCHEIN INC	2,500.000	08/22/16	BLOOMBERG TRADEBOOK LLC	75.00	405,910.89	404,477.88	1,433.01	0.00
NHZ0	806407102	HENRY SCHEIN INC	1,500.000	08/24/16	MORGAN STANLEY CO INCORPOR	90.00	239,137.68	242,686.73	(3,549.05)	0.00
NHZ0	806407102	HENRY SCHEIN INC	1,000.000	08/25/16	MORGAN STANLEY CO INCORPOR	60.00	161,429.17	161,791.15	(361.98)	0.00
NHZ0	806407102	HENRY SCHEIN INC	500.000	10/03/16	BLOOMBERG TRADEBOOK LLC	15.00	80,352.04	80,895.58	(543.54)	0.00
NHZ0	806407102	HENRY SCHEIN INC	500.000	10/05/16	J.P. MORGAN SECURITIES INC.	25.00	80,638.64	80,895.58	(256.94)	0.00
NHZ0	806407102	HENRY SCHEIN INC	2,000.000	10/13/16	J.P. MORGAN SECURITIES INC.	100.00	314,111.95	323,582.30	(9,470.35)	0.00

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SCHEDULE 4C
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FUND	CUSIP	SECURITY DESCRIPTION	SHARES	TRADE DATE	NAME OF BROKER	COMM	PROCEEDS FROM SALE	BOOK VALUE	PROFIT/LOSS ON SALE	DIVIDENDS RECEIVED DURING YEAR
NH-Z0	816851109	SEMPRA ENERGY	3,900,000	07/25/16	J.P. MORGAN SECURITIES INC.	195.00	439,421.35	406,918.74	32,502.61	14,873.50
NH-Z0	816851109	SEMPRA ENERGY	1,000,000	07/27/16	INSTINET	40.00	111,119.57	104,338.14	6,781.43	0.00
NH-Z0	816851109	SEMPRA ENERGY	1,500,000	08/18/16	J.P. MORGAN SECURITIES INC.	75.00	161,353.73	156,507.21	4,846.52	0.00
NH-Z0	816851109	SEMPRA ENERGY	1,500,000	10/13/16	BLOOMBERG TRADEBOOK LLC	45.00	156,997.97	156,507.20	490.77	0.00
NH-Z0	816851109	SEMPRA ENERGY	2,000,000	11/15/16	INSTINET	80.00	194,273.56	208,676.28	(14,402.72)	0.00
NH-Z0	816851109	SEMPRA ENERGY	2,000,000	11/28/16	J.P. MORGAN SECURITIES INC.	100.00	202,393.38	208,676.27	(6,282.89)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	5,000,000	01/21/16	MORGAN STANLEY CO INCORPOR	300.00	34,340.86	43,500.00	(9,159.14)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	7,500,000	01/28/16	MORGAN STANLEY CO INCORPOR	450.00	46,743.63	65,250.00	(18,506.37)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	10,600,000	02/09/16	MORGAN STANLEY CO INCORPOR	636.00	58,868.12	92,220.00	(33,351.88)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	8,000,000	02/10/16	MORGAN STANLEY CO INCORPOR	480.00	43,758.23	69,600.00	(25,841.77)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	8,000,000	02/11/16	MORGAN STANLEY CO INCORPOR	480.00	43,355.84	69,600.00	(26,244.16)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	8,000,000	02/12/16	MORGAN STANLEY CO INCORPOR	480.00	43,107.04	69,600.00	(26,492.96)	0.00
NH-Z0	820017101	SHARPS COMPLIANCE CORP	7,900,000	02/16/16	MORGAN STANLEY CO INCORPOR	474.00	42,292.50	68,730.00	(26,437.50)	0.00
NH-Z0	831865209	SMITH (A.O.) CORP	10,000,000	10/20/16	INSTINET	400.00	484,126.43	441,372.20	42,754.23	0.00
NH-Z0	831865209	SMITH (A.O.) CORP	3,000,000	10/27/16	INSTINET	120.00	133,831.27	132,411.66	1,419.61	0.00
NH-Z0	832696405	JM SMUCKER CO/THE	3,500,000	08/25/16	J.P. MORGAN SECURITIES INC.	175.00	493,418.53	525,833.20	(32,414.67)	7,875.00
NH-Z0	832696405	JM SMUCKER CO/THE	1,000,000	09/22/16	MORGAN STANLEY CO INCORPOR	60.00	137,603.49	150,238.06	(12,634.57)	0.00
NH-Z0	832696405	JM SMUCKER CO/THE	1,000,000	10/20/16	INSTINET	40.00	129,649.87	150,238.06	(20,588.19)	0.00
NH-Z0	832696405	JM SMUCKER CO/THE	1,000,000	11/02/16	MORGAN STANLEY CO INCORPOR	60.00	131,148.73	150,238.06	(19,089.33)	0.00
NH-Z0	852441109	STARBUCKS CORP	2,000,000	11/21/16	J.P. MORGAN SECURITIES INC.	100.00	252,276.09	300,476.11	(48,200.02)	0.00
NH-Z0	852441109	STARBUCKS CORP	2,200,000	04/01/16	BLOOMBERG TRADEBOOK LLC	66.00	134,122.93	132,066.00	2,056.93	6,620.00
NH-Z0	852441109	STARBUCKS CORP	1,900,000	04/13/16	J.P. MORGAN SECURITIES INC.	95.00	113,919.04	114,057.00	(137.96)	0.00
NH-Z0	852441109	STARBUCKS CORP	3,500,000	04/25/16	BLOOMBERG TRADEBOOK LLC	105.00	201,959.24	210,105.00	(8,145.76)	0.00
NH-Z0	852441109	STARBUCKS CORP	1,700,000	04/27/16	INSTINET	68.00	96,921.68	102,051.00	(5,129.32)	0.00
NH-Z0	852441109	STARBUCKS CORP	1,800,000	04/28/16	MORGAN STANLEY CO INCORPOR	108.00	101,899.91	108,054.00	(6,154.09)	0.00
NH-Z0	852441109	STARBUCKS CORP	1,500,000	05/03/16	INSTINET	60.00	84,340.76	90,045.00	(5,704.24)	0.00
NH-Z0	852441109	STARBUCKS CORP	1,000,000	05/16/16	BLOOMBERG TRADEBOOK LLC	30.00	55,642.88	60,030.00	(4,387.12)	0.00
NH-Z0	852441109	STARBUCKS CORP	1,000,000	05/18/16	J.P. MORGAN SECURITIES INC.	50.00	54,816.30	60,030.00	(5,213.70)	0.00
NH-Z0	852441109	STARBUCKS CORP	2,000,000	05/25/16	INSTINET	80.00	110,193.19	120,060.00	(9,866.81)	0.00
NH-Z0	852441109	STARBUCKS CORP	800,000	05/31/16	BLOOMBERG TRADEBOOK LLC	24.00	43,830.32	48,024.00	(4,193.68)	0.00
NH-Z0	852441109	STARBUCKS CORP	1,000,000	06/03/16	J.P. MORGAN SECURITIES INC.	50.00	54,732.10	60,030.00	(5,297.90)	0.00
NH-Z0	852441109	STARBUCKS CORP	3,700,000	06/08/16	MORGAN STANLEY CO INCORPOR	222.00	203,327.58	222,111.00	(18,783.42)	0.00
NH-Z0	863667101	STRYKER CORP	1,500,000	07/25/16	BLOOMBERG TRADEBOOK LLC	45.00	173,381.66	167,887.39	5,494.27	0.00
NH-Z0	863667101	STRYKER CORP	3,000,000	09/12/16	BLOOMBERG TRADEBOOK LLC	90.00	337,768.93	335,774.79	1,994.14	0.00
NH-Z0	863667101	STRYKER CORP	3,000,000	11/02/16	MORGAN STANLEY CO INCORPOR	180.00	348,155.00	335,774.79	12,380.21	0.00
NH-Z0	872590104	T MOBILE US INC	5,000,000	10/20/16	J.P. MORGAN SECURITIES INC.	250.00	233,539.40	234,377.02	(837.62)	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	1,200,000	06/28/16	J.P. MORGAN SECURITIES INC.	60.00	171,232.54	170,997.85	234.69	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	2,000,000	08/25/16	INSTINET	80.00	303,720.77	289,919.94	13,800.83	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	2,000,000	11/23/16	BLOOMBERG TRADEBOOK LLC	60.00	286,399.95	290,703.58	(4,303.63)	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	1,500,000	11/28/16	J.P. MORGAN SECURITIES INC.	75.00	209,677.57	218,027.68	(8,350.11)	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	3,000,000	12/01/16	BLOOMBERG TRADEBOOK LLC	90.00	419,085.16	436,055.37	(16,970.21)	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	3,000,000	12/22/16	BLOOMBERG TRADEBOOK LLC	90.00	420,824.82	436,055.37	(15,230.55)	0.00
NH-Z0	883556102	THERMO FISHER SCIENTIFIC INC	1,000,000	12/27/16	INSTINET	40.00	142,865.68	145,351.79	(2,486.11)	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>
NHZ0	892356106	TRACTOR SUPPLY COMPANY	1,500,000	07/27/16	INSTINET	60.00	134,810.75	131,712.98	3,097.77	6,480.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	1,000,000	08/04/16	BLOOMBERG TRADEBOOK LLC	30.00	85,939.02	87,808.65	(1,869.63)	0.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	1,000,000	08/11/16	J.P. MORGAN SECURITIES INC.	50.00	86,242.31	87,808.65	(1,566.34)	0.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	1,500,000	08/12/16	MORGAN STANLEY CO INCORPOR	90.00	129,472.67	131,712.98	(2,240.31)	0.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	1,000,000	08/17/16	INSTINET	40.00	84,649.65	87,808.66	(3,159.01)	0.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	1,500,000	08/22/16	BLOOMBERG TRADEBOOK LLC	45.00	128,403.79	131,712.98	(3,309.19)	0.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	2,000,000	08/25/16	MORGAN STANLEY CO INCORPOR	120.00	168,340.32	175,617.31	(7,276.99)	0.00
NHZ0	892356106	TRACTOR SUPPLY COMPANY	3,500,000	08/30/16	INSTINET	140.00	294,753.42	307,330.29	(12,576.87)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	900,000	02/04/16	INSTINET	36.00	152,384.92	166,284.32	(13,899.40)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	2,800,000	02/10/16	J.P. MORGAN SECURITIES INC.	140.00	426,654.97	517,328.99	(90,674.02)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	1,400,000	02/11/16	J.P. MORGAN SECURITIES INC.	70.00	214,438.50	258,664.50	(44,226.00)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	2,100,000	02/22/16	J.P. MORGAN SECURITIES INC.	105.00	326,924.02	387,996.75	(61,072.73)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	100,000	03/07/16	BLOOMBERG TRADEBOOK LLC	3.00	16,492.89	18,476.04	(1,983.15)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	2,000,000	03/10/16	BLOOMBERG TRADEBOOK LLC	60.00	320,249.41	369,520.70	(49,271.29)	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	3,000,000	09/12/16	INSTINET	120.00	727,842.03	645,213.68	82,628.35	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	2,000,000	10/03/16	J.P. MORGAN SECURITIES INC.	100.00	476,070.81	430,142.45	45,928.36	0.00
NHZ0	90384S303	ULTA SALON COSMETICS + FRAGR	500,000	10/26/16	MORGAN STANLEY CO INCORPOR	30.00	122,973.76	107,535.61	15,438.15	0.00
NHZ0	92210H105	VANTIV INC CL A	4,300,000	06/13/16	BLOOMBERG TRADEBOOK LLC	129.00	221,035.81	215,712.12	5,323.69	0.00
NHZ0	92210H105	VANTIV INC CL A	2,500,000	06/23/16	J.P. MORGAN SECURITIES INC.	125.00	132,024.61	125,414.02	6,610.59	0.00
NHZ0	92210H105	VANTIV INC CL A	4,500,000	08/02/16	BLOOMBERG TRADEBOOK LLC	135.00	238,701.79	225,745.24	12,956.55	0.00
NHZ0	92210H105	VANTIV INC CL A	2,000,000	08/15/16	BLOOMBERG TRADEBOOK LLC	60.00	107,508.65	100,331.22	7,177.43	0.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	2,000,000	04/14/16	MORGAN STANLEY CO INCORPOR	120.00	102,666.35	103,745.77	(1,079.42)	29,561.25
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	2,000,000	04/28/16	MORGAN STANLEY CO INCORPOR	120.00	102,320.56	103,745.77	(1,425.21)	0.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	3,000,000	08/02/16	BLOOMBERG TRADEBOOK LLC	99.00	177,611.69	173,686.23	3,925.46	0.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	3,500,000	08/22/16	BLOOMBERG TRADEBOOK LLC	105.00	183,660.94	184,212.67	(551.73)	0.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	5,000,000	10/21/16	BLOOMBERG TRADEBOOK LLC	150.00	242,482.71	263,160.96	(20,678.25)	0.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	3,500,000	11/02/16	J.P. MORGAN SECURITIES INC.	175.00	164,514.25	184,212.67	(19,698.42)	0.00
NHZ0	92343V104	VERIZON COMMUNICATIONS INC	6,000,000	11/28/16	MORGAN STANLEY CO INCORPOR	360.00	305,881.72	315,793.15	(9,911.43)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	9,500,000	02/10/16	J.P. MORGAN SECURITIES INC.	475.00	669,174.90	736,725.00	(67,550.10)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	2,000,000	02/25/16	J.P. MORGAN SECURITIES INC.	100.00	144,322.45	155,100.00	(10,777.55)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	1,700,000	03/01/16	MORGAN STANLEY CO INCORPOR	102.00	126,401.08	131,835.00	(5,433.92)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	1,500,000	03/03/16	MORGAN STANLEY CO INCORPOR	90.00	110,348.09	116,325.00	(5,976.91)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	2,000,000	03/07/16	INSTINET	80.00	143,536.06	155,100.00	(11,563.94)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	1,200,000	03/15/16	BLOOMBERG TRADEBOOK LLC	36.00	85,602.29	93,060.00	(7,457.71)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	3,000,000	06/20/16	INSTINET	120.00	232,661.72	233,030.53	(368.81)	0.00
NHZ0	92826C839	VISA INC CLASS A SHARES	3,500,000	12/22/16	BLOOMBERG TRADEBOOK LLC	105.00	270,674.29	274,974.13	(4,299.84)	0.00
NHZ0	929160109	VULCAN MATERIALS CO	500,000	08/15/16	BLOOMBERG TRADEBOOK LLC	15.00	59,842.64	63,001.60	(3,158.96)	860.00
NHZ0	929160109	VULCAN MATERIALS CO	1,500,000	09/12/16	BLOOMBERG TRADEBOOK LLC	45.00	167,237.05	189,004.80	(21,767.75)	0.00
NHZ0	929160109	VULCAN MATERIALS CO	2,800,000	09/19/16	INSTINET	112.00	301,034.87	352,808.96	(51,774.09)	0.00
NHZ0	949746101	WELLS FARGO + CO	1,500,000	02/10/16	INSTINET	60.00	69,966.87	81,540.00	(11,573.13)	0.00
NHZ0	949746101	WELLS FARGO + CO	4,500,000	02/11/16	J.P. MORGAN SECURITIES INC.	225.00	201,795.84	244,620.00	(42,824.16)	12,047.50
NHZ0	949746101	WELLS FARGO + CO	900,000	02/22/16	INSTINET	36.00	44,171.39	48,924.00	(4,752.61)	0.00
NHZ0	949746101	WELLS FARGO + CO	1,200,000	02/25/16	MORGAN STANLEY CO INCORPOR	72.00	57,323.22	65,232.00	(7,908.78)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NH-Z0	949746101	WELLS FARGO + CO	2,600,000	03/01/16	J.P. MORGAN SECURITIES INC.	130.00	125,837.25	141,336.00	(15,498.75)	0.00
NH-Z0	949746101	WELLS FARGO + CO	4,200,000	03/07/16	BLOOMBERG TRADEBOOK LLC	126.00	209,681.26	228,312.00	(18,630.74)	0.00
NH-Z0	949746101	WELLS FARGO + CO	2,000,000	06/10/16	J.P. MORGAN SECURITIES INC.	100.00	96,977.28	101,324.49	(4,347.21)	0.00
NH-Z0	949746101	WELLS FARGO + CO	1,500,000	07/07/16	J.P. MORGAN SECURITIES INC.	75.00	69,749.22	75,993.37	(6,244.15)	0.00
NH-Z0	949746101	WELLS FARGO + CO	4,500,000	07/11/16	BLOOMBERG TRADEBOOK LLC	135.00	216,635.17	227,980.10	(11,344.93)	0.00
NH-Z0	949746101	WELLS FARGO + CO	1,000,000	08/01/16	J.P. MORGAN SECURITIES INC.	50.00	47,668.95	47,913.70	(244.75)	0.00
NH-Z0	949746101	WELLS FARGO + CO	1,000,000	08/04/16	BLOOMBERG TRADEBOOK LLC	30.00	47,782.65	47,913.70	(131.05)	0.00
NH-Z0	949746101	WELLS FARGO + CO	1,500,000	08/15/16	INSTINET	60.00	72,088.72	71,870.55	218.17	0.00
NH-Z0	949746101	WELLS FARGO + CO	3,500,000	09/08/16	MORGAN STANLEY CO INCORPOR	210.00	173,743.20	167,697.95	6,045.25	0.00
NH-Z0	949746101	WELLS FARGO + CO	3,000,000	09/12/16	J.P. MORGAN SECURITIES INC.	150.00	144,716.84	143,741.10	975.74	0.00
NH-Z0	94988U714	WELLS FARGO + COMPANY	2,900,000	07/12/16	J.P. MORGAN SECURITIES INC.	145.00	76,980.55	73,687.98	3,292.57	8,371.38
NH-Z0	94988U714	WELLS FARGO + COMPANY	2,700,000	07/13/16	J.P. MORGAN SECURITIES INC.	135.00	71,792.24	68,606.05	3,186.19	0.00
NH-Z0	94988U714	WELLS FARGO + COMPANY	2,800,000	07/14/16	J.P. MORGAN SECURITIES INC.	140.00	74,355.45	71,147.01	3,208.44	0.00
NH-Z0	94988U714	WELLS FARGO + COMPANY	4,600,000	07/15/16	J.P. MORGAN SECURITIES INC.	230.00	122,014.63	116,884.38	5,130.25	0.00
NH-Z0	94988U714	WELLS FARGO + COMPANY	3,000,000	07/18/16	J.P. MORGAN SECURITIES INC.	150.00	80,133.94	76,228.95	3,904.99	0.00
NH-Z0	94988U714	WELLS FARGO + COMPANY	2,200,000	07/19/16	J.P. MORGAN SECURITIES INC.	110.00	58,694.27	55,901.23	2,793.04	0.00
NH-Z0	94988U714	WELLS FARGO + COMPANY	7,800,000	07/20/16	J.P. MORGAN SECURITIES INC.	0.00	207,865.46	198,195.25	9,670.21	0.00
NH-Z0	963320106	WHIRLPOOL CORP	800,000	06/28/16	MORGAN STANLEY CO INCORPOR	48.00	127,068.10	147,074.66	(20,006.56)	13,300.00
NH-Z0	963320106	WHIRLPOOL CORP	500,000	07/07/16	BLOOMBERG TRADEBOOK LLC	15.00	83,421.23	91,921.67	(8,500.44)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	3,000,000	09/12/16	INSTINET	120.00	509,572.78	563,572.19	(53,999.41)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	2,000,000	09/19/16	J.P. MORGAN SECURITIES INC.	100.00	323,874.13	375,714.80	(51,840.67)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	800,000	10/03/16	J.P. MORGAN SECURITIES INC.	40.00	129,043.18	150,285.92	(21,242.74)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	800,000	10/13/16	J.P. MORGAN SECURITIES INC.	40.00	127,836.57	150,285.92	(22,449.35)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	400,000	10/17/16	BLOOMBERG TRADEBOOK LLC	12.00	64,739.66	75,142.96	(10,403.30)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	2,000,000	11/02/16	J.P. MORGAN SECURITIES INC.	100.00	304,162.76	375,714.79	(71,552.03)	0.00
NH-Z0	963320106	WHIRLPOOL CORP	2,000,000	11/02/16	MORGAN STANLEY CO INCORPOR	120.00	205,201.32	250,408.31	(45,206.99)	1,680.00
NH-Z0	963320106	WHIRLPOOL CORP	700,000	11/15/16	INSTINET	28.00	70,890.11	87,642.91	(16,752.80)	0.00
NH-Z0	98956P102	ZIMMER BIOMET HOLDINGS INC	500,000	11/21/16	MORGAN STANLEY CO INCORPOR	30.00	50,851.89	62,602.08	(11,750.19)	0.00
NH-Z0	98956P102	ZIMMER BIOMET HOLDINGS INC	1,500,000	11/28/16	BLOOMBERG TRADEBOOK LLC	45.00	153,504.55	187,806.24	(34,301.69)	0.00
NH-Z0	98956P102	ZIMMER BIOMET HOLDINGS INC	3,000,000	12/01/16	BLOOMBERG TRADEBOOK LLC	90.00	299,242.27	375,612.47	(76,370.20)	0.00
NH-Z0	G0177J108	ALLERGAN PLC	500,000	02/09/16	INSTINET	20.00	133,478.34	156,250.00	(22,771.66)	0.00
NH-Z0	G0177J108	ALLERGAN PLC	400,000	02/10/16	J.P. MORGAN SECURITIES INC.	20.00	111,877.56	125,000.00	(13,122.44)	0.00
NH-Z0	G0177J108	ALLERGAN PLC	1,500,000	02/22/16	MORGAN STANLEY CO INCORPOR	90.00	424,399.54	488,750.00	(64,350.46)	0.00
NH-Z0	G0177J108	ALLERGAN PLC	1,300,000	03/07/16	BLOOMBERG TRADEBOOK LLC	39.00	372,841.10	406,250.00	(33,408.90)	0.00
NH-Z0	G0177J108	ALLERGAN PLC	700,000	03/15/16	INSTINET	28.00	199,129.27	218,750.00	(19,620.73)	0.00
NH-Z0	G0177J108	ALLERGAN PLC	600,000	03/18/16	J.P. MORGAN SECURITIES INC.	30.00	163,496.61	187,500.00	(24,003.39)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	3,600,000	01/11/16	MORGAN STANLEY CO INCORPOR	216.00	267,599.99	308,628.00	(41,028.01)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	2,100,000	01/12/16	MORGAN STANLEY CO INCORPOR	126.00	157,424.86	180,033.00	(22,608.14)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	1,200,000	01/14/16	J.P. MORGAN SECURITIES INC.	60.00	83,913.85	102,876.00	(18,962.15)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	1,000,000	01/20/16	J.P. MORGAN SECURITIES INC.	50.00	64,162.01	85,730.00	(21,567.99)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	2,500,000	01/27/16	MORGAN STANLEY CO INCORPOR	150.00	164,766.21	214,325.00	(49,558.79)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	1,500,000	01/28/16	BLOOMBERG TRADEBOOK LLC	45.00	97,194.61	128,595.00	(31,400.39)	0.00
NH-Z0	G27823106	DELPHI AUTOMOTIVE PLC	900,000	02/02/16	BLOOMBERG TRADEBOOK LLC	27.00	57,476.27	77,157.00	(19,680.73)	0.00

ANNUAL STATEMENT OF THE CITY OF NORTHAMPTON RETIREMENT SYSTEM FOR THE YEAR ENDED DECEMBER 31, 2016

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
NHZ0	G27823106	DELPHI AUTOMOTIVE PLC	1,100.000	02/04/16	MORGAN STANLEY CO INCORPOR	66.00	68,046.39	94,303.00	(26,256.61)	0.00
NHZ0	G27823106	DELPHI AUTOMOTIVE PLC	4,000.000	02/09/16	MORGAN STANLEY CO INCORPOR	240.00	228,825.78	342,920.00	(114,094.22)	0.00
NHZ0	G97822103	PERRIGO CO PLC	1,500.000	01/05/16	BLOOMBERG TRADEBOOK LLC	45.00	217,073.00	217,050.00	23.00	0.00
NHZ0	H84989104	TE CONNECTIVITY LTD	1,100.000	01/28/16	J.P. MORGAN SECURITIES INC.	55.00	61,413.95	71,071.00	(9,657.05)	1,386.00
NHZ0	H84989104	TE CONNECTIVITY LTD	1,000.000	02/04/16	MORGAN STANLEY CO INCORPOR	60.00	54,603.89	64,610.00	(10,006.11)	0.00
NHZ0	H84989104	TE CONNECTIVITY LTD	1,700.000	02/09/16	BLOOMBERG TRADEBOOK LLC	51.00	88,286.51	109,837.00	(21,550.49)	0.00
NHZ0	H84989104	TE CONNECTIVITY LTD	1,700.000	02/10/16	J.P. MORGAN SECURITIES INC.	85.00	90,285.19	109,837.00	(19,551.81)	0.00
NHZ0	H84989104	TE CONNECTIVITY LTD	1,000.000	02/11/16	MORGAN STANLEY CO INCORPOR	60.00	53,157.43	64,610.00	(11,452.57)	0.00
NHZ0	H84989104	TE CONNECTIVITY LTD	2,100.000	03/01/16	MORGAN STANLEY CO INCORPOR	126.00	122,879.44	135,681.00	(12,801.56)	0.00
NHZ0	H84989104	TE CONNECTIVITY LTD	2,100.000	03/03/16	BLOOMBERG TRADEBOOK LLC	63.00	126,125.13	135,681.00	(9,555.87)	0.00
NHZ0	N22717107	CORE LABORATORIES N.V.	0.000	00/00/00		0.00	0.00	0.00	0.00	1,281.53
NHZ0	N51488117	MOBILEYE NV	3,200.000	01/11/16	J.P. MORGAN SECURITIES INC.	160.00	123,255.32	135,296.00	(12,040.68)	0.00
NHZ0	N51488117	MOBILEYE NV	2,400.000	01/14/16	J.P. MORGAN SECURITIES INC.	120.00	72,576.10	101,472.00	(28,895.90)	0.00
NHZ0	N51488117	MOBILEYE NV	2,000.000	01/20/16	J.P. MORGAN SECURITIES INC.	100.00	52,870.02	84,560.00	(31,689.98)	0.00
NHZ0	N51488117	MOBILEYE NV	6,900.000	01/21/16	J.P. MORGAN SECURITIES INC.	345.00	190,987.78	291,732.00	(100,744.22)	0.00
NHZ0	N51488117	MOBILEYE NV	2,400.000	01/27/16	MORGAN STANLEY CO INCORPOR	144.00	64,575.36	101,472.00	(36,896.64)	0.00
NHZ0	N51488117	MOBILEYE NV	4,500.000	01/28/16	BLOOMBERG TRADEBOOK LLC	135.00	118,554.81	190,260.00	(71,705.19)	0.00
NHZ0	N6596X109	NXP SEMICONDUCTORS NV	2,000.000	01/11/16	J.P. MORGAN SECURITIES INC.	100.00	153,527.77	168,500.00	(14,972.23)	0.00
NHZ0	N6596X109	NXP SEMICONDUCTORS NV	1,000.000	01/20/16	MORGAN STANLEY CO INCORPOR	60.00	69,555.51	84,250.00	(14,694.49)	0.00
NHZ0	N6596X109	NXP SEMICONDUCTORS NV	300.000	01/21/16	J.P. MORGAN SECURITIES INC.	15.00	21,473.60	25,275.00	(3,801.40)	0.00
NHZ0	N6596X109	NXP SEMICONDUCTORS NV	1,700.000	01/27/16	J.P. MORGAN SECURITIES INC.	85.00	120,147.15	143,225.00	(23,077.85)	0.00
NHZ0	N6596X109	NXP SEMICONDUCTORS NV	3,000.000	01/28/16	BLOOMBERG TRADEBOOK LLC	90.00	209,336.44	252,750.00	(43,413.56)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	900.000	01/11/16	MORGAN STANLEY CO INCORPOR	54.00	115,614.21	130,635.00	(15,020.79)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	800.000	01/12/16	MORGAN STANLEY CO INCORPOR	48.00	103,468.89	116,120.00	(12,651.11)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	800.000	01/14/16	J.P. MORGAN SECURITIES INC.	40.00	101,101.49	116,120.00	(15,018.51)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	1,300.000	01/21/16	MORGAN STANLEY CO INCORPOR	78.00	161,504.73	188,695.00	(27,190.27)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	1,100.000	01/27/16	J.P. MORGAN SECURITIES INC.	55.00	132,691.65	159,665.00	(26,973.35)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	1,500.000	01/28/16	BLOOMBERG TRADEBOOK LLC	45.00	185,886.92	217,725.00	(31,838.08)	0.00
NHZ0	Y0486S104	AVAGO TECHNOLOGIES LTD	2,900.000	02/01/16	MANDATORY EXCHANGE NON CAS	0.00	420,935.00	420,935.00	0.00	0.00
NHZ0	Y09827109	BROADCOM LTD	1,000.000	02/10/16	INSTINET	40.00	120,741.66	145,150.00	(24,408.34)	0.00
NHZ0	Y09827109	BROADCOM LTD	700.000	05/03/16	INSTINET	28.00	100,095.92	104,306.92	(4,211.00)	0.00
NHZ0	Y09827109	BROADCOM LTD	1,100.000	05/05/16	MORGAN STANLEY CO INCORPOR	66.00	156,676.62	163,910.88	(7,234.26)	0.00
NHZ0	Y09827109	BROADCOM LTD	800.000	05/12/16	BLOOMBERG TRADEBOOK LLC	24.00	112,831.21	119,207.91	(6,376.70)	0.00
NHZ0	Y09827109	BROADCOM LTD	1,100.000	07/06/16	INSTINET	44.00	162,547.30	165,835.41	(3,288.11)	0.00
NHZ0		SECURITIES LITIGATION INCOME - LEHMAN BROTHERS				0.00	0.00	0.00	0.00	312.04
SCHEDULE TOTALS						66,944.00	112,482,456.18	118,053,473.68	(5,571,017.50)	389,904.64
								TOTAL PROFIT	2,608,559.74	
								TOTAL LOSS	8,179,577.24	

**Annual Statement of the Northampton Retirement System
for the year ended December 31, 2016**

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
1197	Prit Hedge Acct	875,836.27	0.00	3,060.74	975.41	134.29	0.00	23,422.38	853,337.38	0.00	2,978.37	0.00
1193-0002	Prit Priv Eq Vintage Yr 2009	73,264.80	0.00	1,895.20	7,589.43	0.00	6,373.94	6,010.21	16,356.15	0.00	961.95	65,795.06
1193-0001	Prit Priv Eq Vintage Yr 2008	685,584.00	9,656.75	29,719.58	98,051.23	0.00	40,382.91	85,536.11	123,273.93	0.00	6,061.12	648,523.31
TOTAL		1,634,685.07	9,656.75	34,675.52	106,616.07	134.29	46,756.85	114,968.70	992,967.46	0.00	10,001.44	714,318.37

Annual Statement of the Northampton Retirement System
for the year ended December 31, 2016

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	Loss	Realized Gain	Loss	Investment Income Recd During Year
Cash		915,852.45	338.23							18,158.63
1100 Short term Securities		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1180 Fixed Income Securities		38,212,450.20	296,811.51	282,209.55	0.00	140,574.75	922,231.76	1,401,117.78	672,691.28	1,392,265.14
1170 Equities		66,392,311.00			68,534.00	3,371,317.81	580,720.69	2,608,559.74	8,179,577.24	801,238.26
Prt Pooled Funds		714,318.37				46,756.85	114,968.70	106,616.07	134.29	34,675.52
TOTAL		106,234,932.02	297,149.74	282,209.55	68,534.00	3,558,649.41	1,617,921.15	4,116,293.59	8,852,402.81	2,246,337.55

Annual Statement of the Northampton Retirement System
for the year ended December 31, 2016

Schedule 7: Summary of Investment Related Fees

Manager/Vendor	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Accrued Payable at Year End 2016	Total Paid or Accrued in 2016	Market Value at Year End 2016	*Payment Method (N,C,W)
<u>5304 Management Fees</u>								
1. The de Burlo Group, Inc. (5304-001)	50,675.00	76,905.00	80,689.00	78,703.00		312,834.00	105,361,110.79	C
2. PRIM (5304-0002)	5,208.50	1,804.02	1,512.54	1,476.38		10,001.44	714,318.37	N
5304 Management Fees TOTAL	<u>55,883.50</u>	<u>78,709.02</u>	<u>82,201.54</u>	<u>80,179.38</u>	<u>25,862.00</u>	<u>322,835.44</u>		
<u>5305 Custodial Fees</u>								
3. State Street	7,156.10	23,403.07	23,607.16	22,739.61	14,512.14	91,418.08		C
5305 Custodial Fees TOTAL	<u>7,156.10</u>	<u>23,403.07</u>	<u>23,607.16</u>	<u>22,739.61</u>	<u>14,512.14</u>	<u>91,418.08</u>		
<u>5307 Investment Consultant Fees</u>								
4. _____	0.00	0.00	0.00	0.00	0.00	0.00		
5307 Investment Consultant Fees TOTAL	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>		
						<u>414,253.52</u>		

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 2016

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: 860											
			22,420,657.24	2,287,714.99	34,168.17	228,783.28	771,440.23	1,599,818.95	0.00	20,906.33	22,579,158.17
Totals for LIB - Forbes Library Member Count: 36											
			1,077,742.62	87,680.74	1,703.02	0.00	5,774.78	108,944.94	0.00	633.39	1,051,773.27
Totals for LIL - Lilly Library Member Count: 4											
			37,698.42	11,090.03	73.55	198.27	0.00	0.00	0.00	0.00	49,060.27
Totals for NHA - Northampton Housing Auth Member Count: 39											
			1,134,130.77	115,382.10	878.36	876.00	53,993.15	257,956.68	0.00	0.00	939,317.40
Grand Totals Member Count: 939											
			24,670,229.05	2,501,867.86	36,823.10	229,857.55	831,208.16	1,966,720.57	0.00	21,539.72	24,619,309.11

Asset Allocation

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

	Allocation at 9/30/16		Allocation at 12/31/16	
	\$	%	\$	%
Cash	2,864,681	2.58%	745,754	0.70%
Equity				
Domestic Stock	49,000,189	44.11%	64,133,601	60.48%
International Stock	1,688,236	1.52%	2,134,705	2.01%
Real Estate	2,145,165	1.93%	124,005	0.12%
Total Equity	52,833,590	47.56%	66,392,311	62.61%
Fixed Income				
Domestic Bonds	51,489,306	46.33%	34,503,905	32.54%
International Bonds	2,967,290	2.67%	2,915,036	2.75%
Below Invest. Grade	254,265	0.23%	793,497	0.75%
Total Fixed	54,710,861	49.23%	38,212,438	36.04%
PRIT Investments				
Alternative (P.E. V.C.)	716,101	0.64%	688,573	0.65%
Total PRIT Investments	716,101	0.64%	688,573	0.65%
Total	111,125,233	100.00%	106,039,076	100.00%
*PRIT amounts based on revised 9/30/16 and 12/31/16 values.				

APPRAISAL SUMMARY REPORT

Northampton Retirement System

December 31, 2016

<u>Security Class</u>	<u>Book Value</u>	<u>Market Value</u>	<u>% Assets</u>	<u>Unrealized Gain/Loss</u>	<u>Estimated Income</u>
Cash Balance	745,754	745,754	0.70%	0	0
Other	300,512	688,573	0.65%	388,061	0
Bond	38,212,438	38,212,438	36.04%	0	1,219,721
Stock	<u>66,392,311</u>	<u>66,392,311</u>	<u>62.61%</u>	<u>0</u>	<u>775,720</u>
Total Portfolio	105,651,015	106,039,076	100.00%	388,061	1,995,441

Manager:

The de Burlo Group, Inc.
Boston, Massachusetts
(617) 482-0275

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.

ACTUARIAL VALUATION AND ASSUMPTIONS

The most recent actuarial valuation of the System was prepared by Stone Consulting, Inc. as of January 1, 2016

The Normal Cost for Employees on that date was \$3,571,819 13.6% of payroll

The Normal Cost for the Employer was \$1,212,890 4.6% of payroll

The actuarial liability for active members was	\$ 64,664,011
The actuarial liability for inactive members was	\$ 2,295,575
The actuarial liability for retired members was	\$ 94,080,323
Total actuarial accrued liability	\$ 161,039,909
Actuarial value of assets as of that date	\$ 112,320,084
Unfunded actuarial accrued liability	\$ 48,719,825

The principal actuarial assumptions used in the valuation are as follows:

Investment Return: **7.50% per annum**
Rate of Salary Increase: **3.00% steps for eight years**
 4.00% ultimate rate, reduced to 2.00% for 2016-2017
 Base reduced by 0.50% when receiving steps

Schedule of Funding Progress

Actuarial Valuation Date	Actuarial Value of Assets A	Actuarial Accrued Liability (AAL) B	Unfunded AAL (UAAL) B-A	Funded Ratio A/B	Covered Payroll C	UUAL as a % of Covered Payroll (B-A)/C
1-1-2016	112,320	161,040	48,720	70%	26,241	186%
1-1-2014	93,943	149,021	55,078	63%	24,064	229%
1-1-2012	79,531	131,388	51,856	61%	23,889	217%
1-1-2010	76,045	116,637	40,592	65%	22,556	180%
1-1-2008	71,799	108,846	37,047	66%	21,754	170%