KENTUCKY RETIREMENT SYSTEMS
SPECIAL CALLED
INVESTMENT COMMITTEE MEETING
Tuesday, May 5, 2020
9:00 a.m.
AGENDA

9:00 A.M.	Call to Order
9:01 A.M.	Approval of Minutes*- April 15, 2020
9:02 A.M.	Public Comment
9:05 A.M.	Standard Reports
9:06 A.M.	Performance Review – Rich Robben
9:20 A.M.	New Fund Recommendation* - Putnam - Andy Kiehl
10:00 A.M.	Adjourn

** All times are approximations, one or more items on this agenda may be discussed in closed session.*

MINUTES OF MEETING
KENTUCKY RETIREMENT SYSTEMS
SPECIAL CALLED INVESTMENT COMMITTEE
APRIL 15, 2020, 10:00 A.M., E.T.
VIA LIVE VIDEO TELECONFERENCE DUE TO SB 150, SIGNED INTO LAW BY THE GOVERNOR ON MARCH 30, 2020, AND EXECUTIVE ORDER 2020-215 DECLARING A STATE OF EMERGENCY EFFECTIVE MARCH 6, 2020 DUE TO COVID-19

At the April 15, 2020 Special Called Investment Committee Meeting, the following Committee members were present: Prewitt Lane (Chair), Joseph Grossman, Sherry Kremer, Kelly Downard, Keith Peercy, David Harris, Matthew Monterio and John Cheshire, III. Trustees Betty Pendergrass, Jerry Powell and Dave Rich were also present. Staff members present were David Eager, Victoria Hale, Kathy Rupinen, Rebecca Adkins, Erin Surratt, Shaun Case, Jared Crawford, Rich Robben, Andy Kiehl, Anthony Chiu, Joseph Gilbert, Alane Foley and Carol Johnson. Also in attendance were Chris Tessman, Craig Morton, Marc Friedberg, Chris Shelby and David Lindburg from Wilshire, Kevin Genda and Gary Manowitz from Blue Torch Capital and Neil Ramsey.

Mr. Prewitt Lane called the meeting to order and Ms. Alane Foley called roll.

Mr. Prewitt Lane introduced agenda item *Approval of Minutes- February 4, 2020*. Mr. Kelly Downard moved and was seconded by Mr. Joseph Grossman to approve the minutes as presented. The motion passed unanimously.

Mr. Prewitt Lane introduced agenda item *Public Comment*. Ms. Alane Foley stated that no public comments were submitted.

Mr. Prewitt Lane introduced agenda item *New Fund Recommendation Blue Torch.* Mr. Rich Robben introduced Mr. Kevin Genda from Blue Torch Capital. Mr. Kevin Genda provided an overview of Blue Torch Capital. Mr. Kelly Downard voiced his concerns over the timing of the

investment. After a brief discussion Mr. John Cheshire, III moved and was seconded by Mr. David Harris to approve an investment of $200 million in Blue Torch Capital. After a roll call vote, all Investment Committee Members were in favor of the motion except Mr. Kelly Downard and Ms. Sherry Kremer. The motion passed.

Mr. Prewitt Lane introduced agenda item *Performance Review*. Mr. Rich Robben provided an overview of investment performance. This was provided for informational purposes only.

Mr. Prewitt Lane introduced agenda item *Recent Transactions and Current Allocations.* Mr. Rich Robben provided an overview of our recent transactions and current allocations which were contained in his memorandum dated April 15, 2020.

Mr. Prewitt Lane introduced agenda item *TIPS Portfolio Runoff.* Mr. Rich Robben stated that the TIPS Portfolio has been liquidated entirely and that the account needs to be closed. A motion was made by Mr. John Cheshire to close out the TIPS Portfolio account and was seconded by Ms. Sherry Kremer. The motion passed unanimously.

There being no further business, Mr. Prewitt Lane moved and was seconded by Mr. Joseph Grossman to adjourn the meeting at 11:54 a.m. The next meeting of the Investment Committee is scheduled for 9:00 a.m. May 5, 2020. Copies of all documents presented are incorporated as part of the minutes of the Special Called Investment Committee meeting held April 15, 2020.

CERTIFICATION

I do certify that I was present at this meeting and I have recorded above the action of the Committee on the various items considered by it at this meeting. Further, I certify that all requirements of KRS 61.805-61.850 were met in connection with this meeting.

_____
Recording Secretary

I, as Chair of the Investment Committee of the Board of Trustees of the Kentucky Retirement Systems, do certify that the Minutes of the meeting held on April 15, 2020 were approved by the Investment Committee on May 5, 2020.

_____
Committee Chair

I have reviewed the Minutes of the Special Called Investment Committee Meeting on April 15, 2020 for form, content, and legality.

_____
Office of Legal Services

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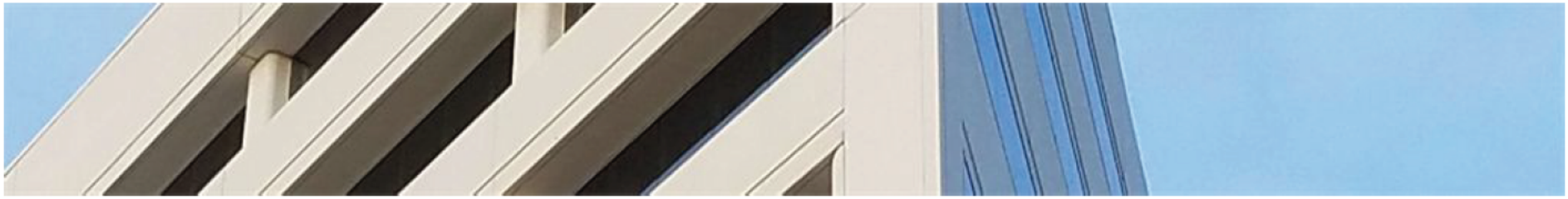

Kentucky Retirement Systems

Quarterly Board Summary

March 31, 2020

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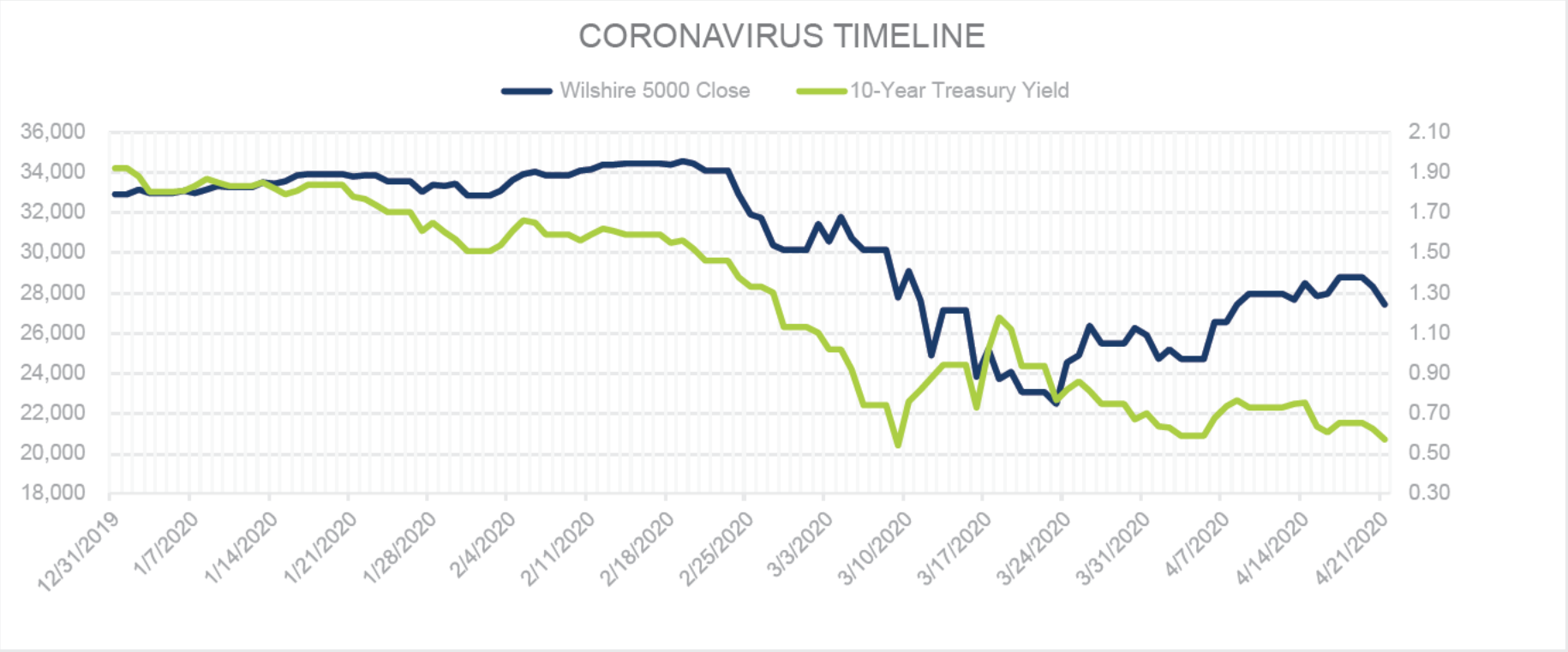
CORONAVIRUS TIMELINE

AS OF APRIL 21

https://wilshire.com/covid19-timeline



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MARCH 2020 ASSET CLASS ASSUMPTIONS

	EQUITY						FIXED INCOME						REAL ASSETS					
													Real Estate					
	US Stock	Dev ex-US Stock	Emg Stock	Global ex-US Stock	Global Stock	Private Equity	Cash	Core Bond	LT Core Bond	TIPS	High Yield	Dev ex-US Bond (Hdg)	US RES	Global RES	Private RE	Cmdty	Real Assets	US CPI
COMPOUND RETURN (%)	6.75	7.25	7.25	7.50	7.20	8.40	0.70	1.80	2.70	0.70	5.40	0.80	5.60	5.80	7.00	1.85	5.65	1.15
ARITHMETIC RETURN (%)	8.05	8.70	10.20	9.10	8.50	11.75	0.70	1.95	3.15	0.90	5.85	0.85	6.95	6.95	7.90	2.95	6.00	1.15
EXPECTED RISK (%)	17.00	18.00	26.00	18.95	17.10	28.00	1.25	5.15	9.85	6.00	10.00	3.50	17.00	15.80	14.00	15.00	8.75	1.75
CASH YIELD (%)	2.25	3.75	3.00	3.55	2.80	0.00	0.70	1.90	2.65	1.15	7.40	1.10	4.75	4.75	2.95	0.70	2.50	0.00
CORRELATIONS																		
US Stock	1.00																	
Dev ex-US Stock (USD)	0.81	1.00																
Emerging Mkt Stock	0.74	0.74	1.00															
Global ex-US Stock	0.83	0.96	0.87	1.00														
Global Stock	0.95	0.92	0.83	0.94	1.00													
Private Equity	0.74	0.64	0.62	0.67	0.74	1.00												
Cash Equivalents	-0.05	-0.09	-0.05	-0.08	-0.07	0.00	1.00											
Core Bond	0.28	0.13	0.00	0.09	0.20	0.31	0.19	1.00										
LT Core Bond	0.31	0.16	0.01	0.12	0.23	0.32	0.11	0.93	1.00									
TIPS	-0.05	0.00	0.15	0.05	0.00	-0.03	0.20	0.60	0.47	1.00								
High Yield Bond	0.54	0.39	0.49	0.45	0.51	0.34	-0.10	0.25	0.32	0.05	1.00							
Dev ex-US Bond (Hdg)	0.16	0.25	-0.01	0.18	0.18	0.26	0.10	0.67	0.66	0.39	0.26	1.00						
US RE Securities	0.59	0.47	0.44	0.49	0.56	0.50	-0.05	0.17	0.23	0.10	0.56	0.05	1.00					
Global RE Securities	0.65	0.59	0.56	0.62	0.66	0.58	-0.05	0.17	0.22	0.11	0.62	0.03	0.94	1.00				
Private Real Estate	0.54	0.44	0.44	0.47	0.52	0.51	-0.05	0.19	0.25	0.09	0.57	0.05	0.78	0.76	1.00			
Commodities	0.25	0.34	0.39	0.38	0.32	0.27	0.00	-0.02	-0.02	0.25	0.29	-0.10	0.25	0.28	0.25	1.00		
Real Assets	0.42	0.43	0.50	0.48	0.47	0.43	0.01	0.24	0.25	0.41	0.53	0.06	0.65	0.69	0.69	0.59	1.00	
Inflation (CPI)	-0.10	-0.15	-0.13	-0.15	-0.13	-0.10	0.10	-0.12	-0.12	0.15	-0.08	-0.08	0.05	0.03	0.05	0.44	0.26	1.00

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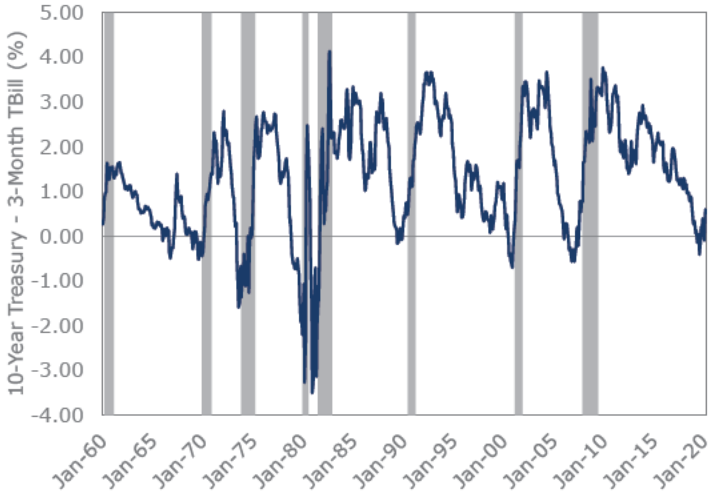
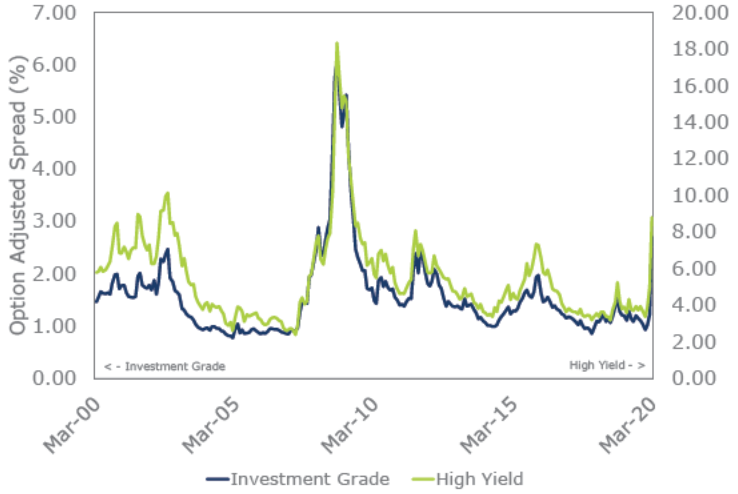
RISK MONITOR

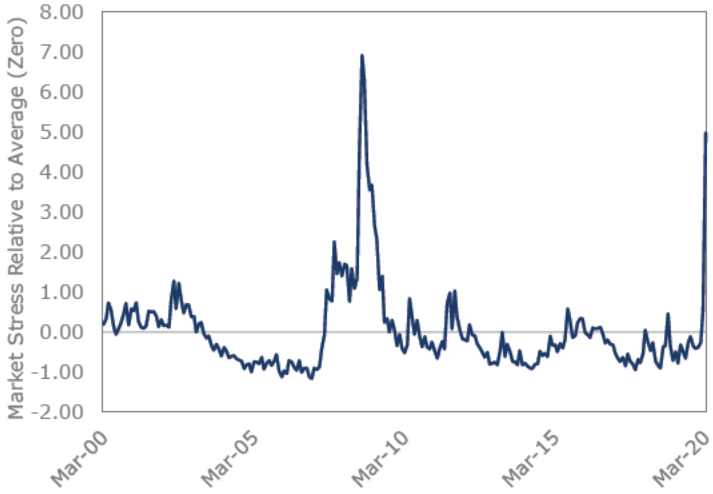
YIELD CURVE SLOPE VS RECESSIONS (IN GRAY)



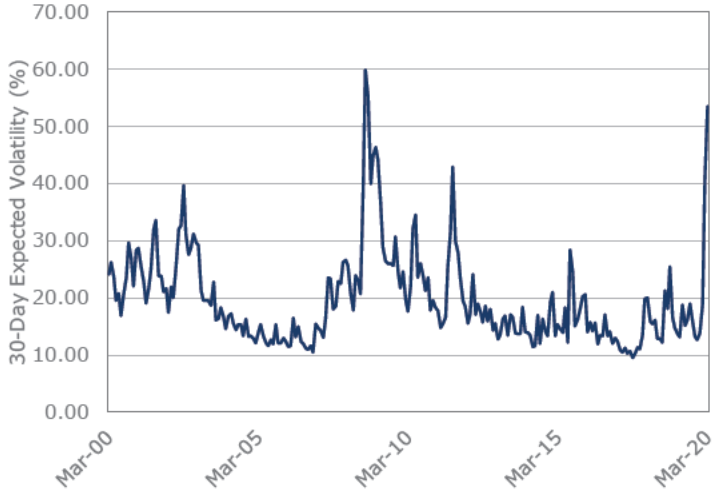
BLOOMBERG BARCLAYS CREDIT INDEXES



ST. LOUIS FED FINANCIAL STRESS INDEX



CBOE VOLATILITY INDEX



Data sources: Federal Reserve, Bloomberg Barclays

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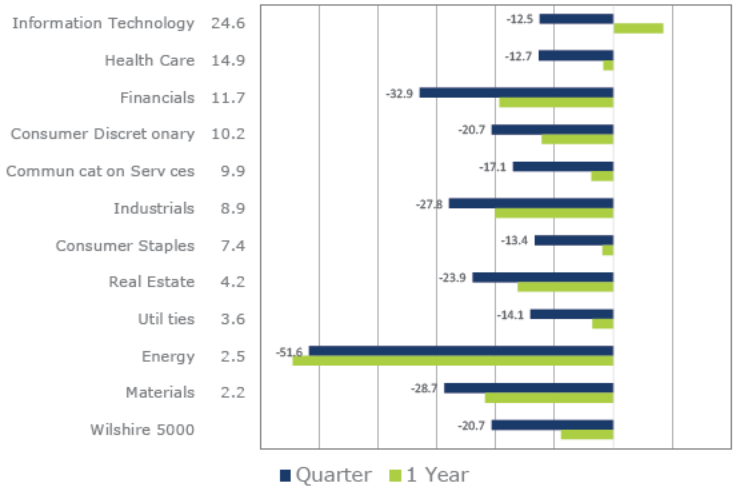
U.S. EQUITY MARKET

AS OF 3/31/2020	QTR	YTD	1 YR	3 YR	5 YR	10 YR
WILSHIRE 5000 INDEX	-20.7	-20.7	-8.9	4.1	6.0	10.2
WILSHIRE U.S. LARGE CAP	-19.7	-19.7	-7.3	5.0	6.7	10.5
WILSHIRE U.S. SMALL CAP	-31.4	-31.4	-25.0	-5.0	-0.5	7.4
WILSHIRE U.S. LARGE GROWTH	-17.1	-17.1	-2.7	8.6	8.5	11.9
WILSHIRE U.S. LARGE VALUE	-22.1	-22.1	-11.5	1.5	4.7	9.1
WILSHIRE U.S. SMALL GROWTH	-28.2	-28.2	-20.0	-1.1	1.0	8.8
WILSHIRE U.S. SMALL VALUE	-34.5	-34.5	-29.6	-8.9	-2.1	6.0
WILSHIRE REIT INDEX	-25.6	-25.6	-19.4	-2.5	-0.2	7.7
MSCI USA MIN. VOL. INDEX	-17.1	-17.1	-5.9	6.6	7.9	11.8
FTSE RAFI U.S. 1000 INDEX	-26.4	-26.4	-16.1	-0.9	2.8	8.6

U.S. SECTOR WEIGHT AND RETURN (%)



LARGE CAP VS SMALL CAP

LARGE GROWTH VS LARGE VALUE

Data sources: Wilshire Compass, Wilshire Atlas

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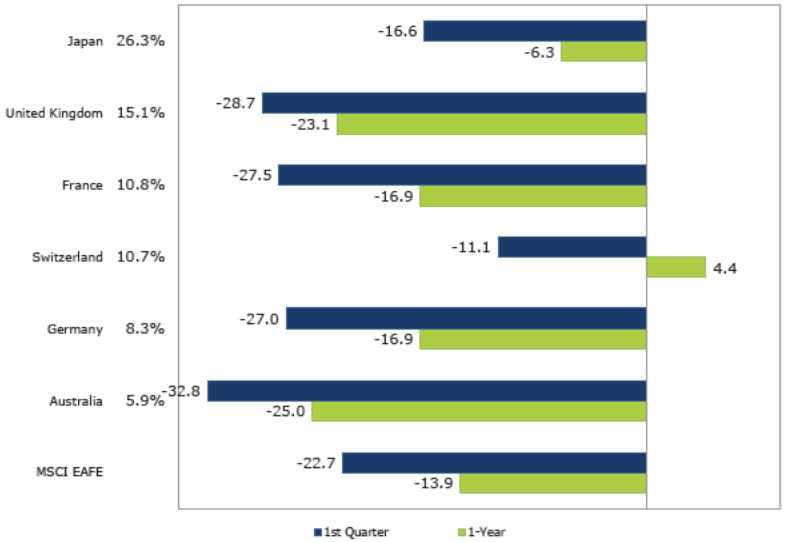
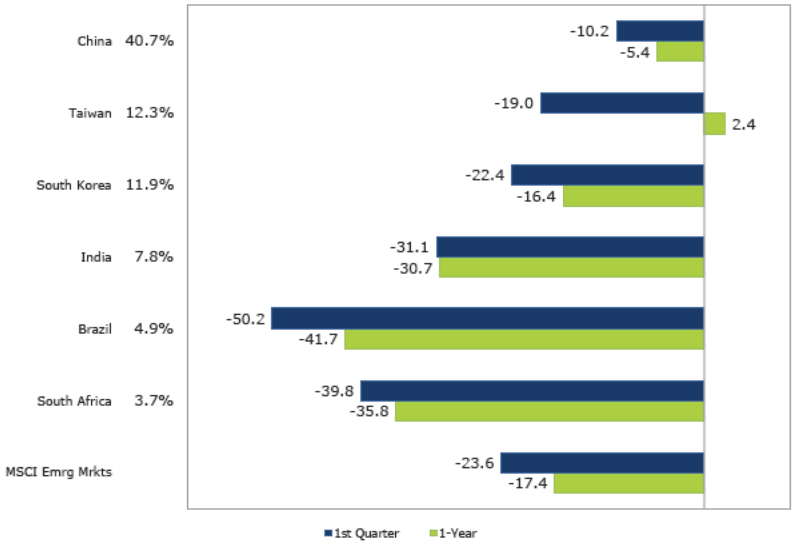
NON-U.S. EQUITY MARKET

AS OF 3/31/2020	QTR	YTD	1 YR	3 YR	5 YR	10 YR
MSCI ACWI EX-US ($G)	-23.3	-23.3	-15.1	-1.5	-0.2	2.5
MSCI EAFE ($G)	-22.7	-22.7	-13.9	-1.3	-0.1	3.2
MSCI EMERGING MARKETS ($G)	-23.6	-23.6	-17.4	-1.3	0.0	1.0
MSCI FRONTIER MARKETS ($G)	-26.6	-26.6	-18.7	-4.0	-2.5	1.4
MSCI ACWI EX-US GROWTH ($G)	-18.2	-18.2	-6.9	2.9	2.5	4.3
MSCI ACWI EX-US VALUE ($G)	-28.5	-28.5	-23.2	-5.9	-2.9	0.7
MSCI ACWI EX-US SMALL ($G)	-28.9	-28.9	-20.8	-4.5	-0.3	3.2
MSCI ACWI MINIMUM VOLATILITY	-15.9	-15.9	-7.0	4.3	5.3	8.7
MSCI EAFE MINIMUM VOLATILITY	-16.3	-16.3	-9.0	2.1	2.7	6.1
FTSE RAFI DEVELOPED EX-US	-27.6	-27.6	-20.8	-4.7	-1.8	1.8
MSCI EAFE LC (G)	-20.4	-20.4	-12.1	-1.3	0.3	4.9

MSCI EAFE: LARGEST COUNTRIES & RETURN (USD)



MSCI EM: LARGEST COUNTRIES & RETURN (USD)



Data sources: Wilshire Compass

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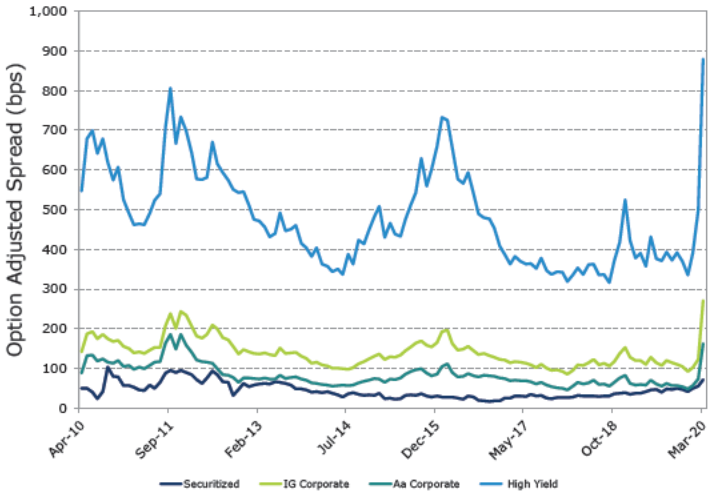
U.S. FIXED INCOME

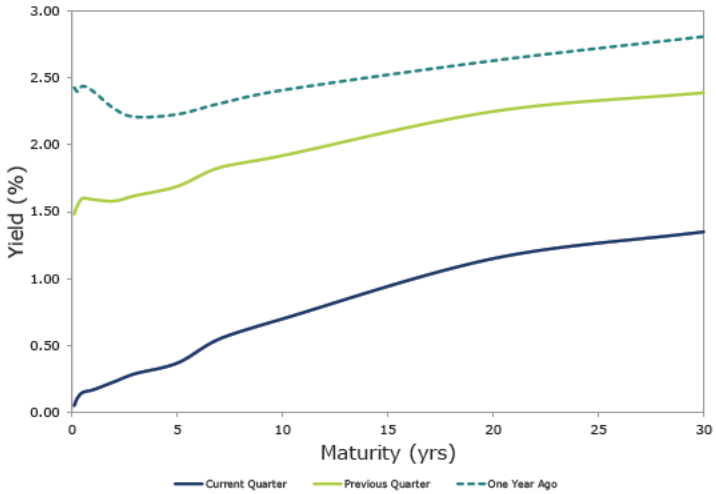
AS OF 3/31/2020	YTM	DURATION	QTR	YTD	1 YR	3 YR	5 YR	10 YR
BLOOMBERG BARCLAYS AGGREGATE	1.6	5.7	3.2	3.2	8.9	4.8	3.4	3.9
BLOOMBERG BARCLAYS TREASURY	0.6	7.0	8.2	8.2	13.2	5.8	3.6	3.8
BLOOMBERG BARCLAYS GOV'T-REL.	2.0	5.6	0.5	0.5	6.2	4.1	2.9	3.4
BLOOMBERG BARCLAYS SECURITIZED	1.4	1.9	2.7	2.7	6.9	4.0	2.9	3.4
BLOOMBERG BARCLAYS CORPORATE	3.4	8.0	-3.6	-3.6	5.0	4.2	3.4	4.9
BLOOMBERG BARCLAYS LT G/C	2.7	16.4	6.2	6.2	19.3	9.7	6.0	8.1
BLOOMBERG BARCLAYS LT TREASURY	1.3	19.2	20.9	20.9	32.6	13.4	7.3	9.0
BLOOMBERG BARCLAYS LT GOV't-REL.	3.9	12.6	-3.6	-3.6	7.3	6.3	4.3	7.0
BLOOMBERG BARCLAYS LT CORP.	3.9	14.5	-4.5	-4.5	9.6	6.7	4.7	7.3
BLOOMBERG BARCLAYS U.S. TIPS *	0.7	7.8	1.7	1.7	6.8	3.5	2.7	3.5
BLOOMBERG BARCLAYS HIGH YIELD	9.5	4.1	-12.7	-12.7	-6.9	0.8	2.8	5.6
TREASURY BILLS	0.1	0.25	0.6	0.6	2.2	1.8	1.2	0.6

* Yield and Duration statis ics are for a proxy index based on similar maturity, the Bloomberg Barclays U.S. Treasury 7-10 Year Index

BLOOMBERG BARCLAYS FIXED INCOME INDEXES



TREASURY YIELD CURVE



Data sources: Wilshire Compass, Bloomberg Barclays, U.S. Treasury

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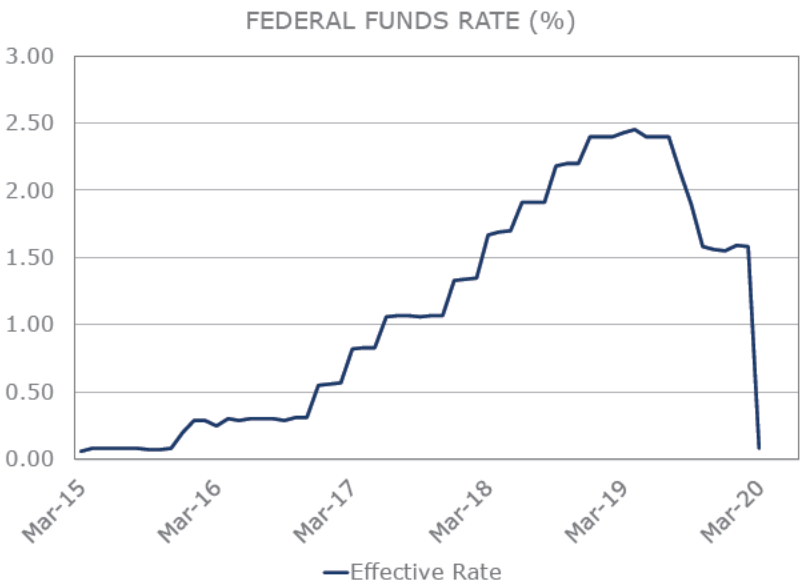
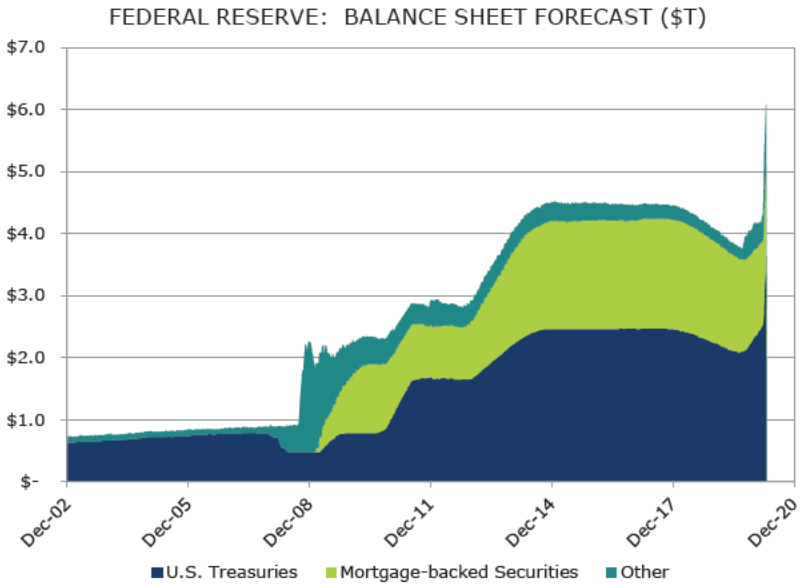
FEDERAL RESERVE

- Restarted unlimited asset purchase programs
- Reduced reserve requirements for the banking sector
- Restarted Term asset backed securities loan facility (TALF), expanding to include CMBS
- Launched a Primary (PMCCF) and Secondary Corporate Credit Facility (SMCCF)
- Allowed municipal debt to be eligible as collateral in Money Market Fund Liquidity Facility (MMLF) and Commercial Paper Funding Facility (CPFF)
- Total stimulus – FOMC plus U.S. government – in excess of $3.75 T as of first week of April





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Data Source: Federal Reserve, Bloomberg, J.P. Morgan

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ASSET CLASS PERFORMANCE

ASSET CLASS RETURNS - BEST TO WORST						ANNUALIZED 5-YEAR AS OF 3/2020
2015	2016	2017	2018	2019	2020 YTD	
REITs 4.2%	MLPs 18.3%	Emrg Mrkts 37.7%	T-Bills 1.9%	U.S. Equity 31.0%	Core Bond 3.2%	U.S. Equity 6.0%
U.S. Equity 0.7%	High Yield 17.1%	Developed 25.6%	Core Bond 0.0%	REITs 25.8%	U.S. TIPS 1.7%	Core Bond 3.4%
Core Bond 0.6%	U.S. Equity 13.4%	U.S. Equity 21.0%	U.S. TIPS -1.3%	Developed 22.7%	T-Bills 0.6%	High Yield 2.8%
T-Bills 0.1%	Commodities 11.8%	High Yield 7.5%	High Yield -2.1%	Emrg Mrkts 18.9%	High Yield -12.7%	U.S. TIPS 2.7%
Developed -0.4%	Emrg Mrkts 11.6%	REITs 4.2%	REITs -4.8%	High Yield 14.3%	U.S. Equity -20.7%	T-Bills 1.2%
U.S. TIPS -1.4%	REITs 7.2%	Core Bond 3.6%	U.S. Equity -5.3%	Core Bond 8.7%	Developed -22.7%	Emrg Mrkts 0.0%
High Yield -4.5%	U.S. TIPS 4.7%	U.S. TIPS 3.0%	Commodities -11.2%	U.S. TIPS 8.4%	Commodities -23.3%	Developed -0.1%
Emrg Mrkts -14.6%	Core Bond 2.6%	Commodities 1.7%	MLPs -12.4%	Commodities 7.7%	Emrg Mrkts -23.6%	REITs -0.2%
Commodities -24.7%	Developed 1.5%	T-Bills 0.8%	Developed -13.4%	MLPs 6.6%	REITs -25.6%	Commodities -7.8%
MLPs -32.6%	T-Bills 0.3%	MLPs -6.5%	Emrg Mrkts -14.2%	T-Bills 2.3%	MLPs -57.2%	MLPs -20.7%

Data sources: Wilshire Compass

Note: Developed asset class is developed equity markets ex-U.S., ex-Canada

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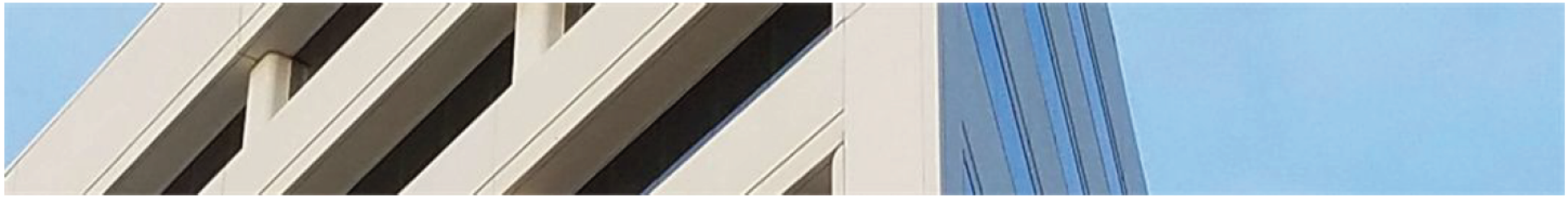

KRS Pension Plan

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Asset Allocation Bucketing

KRS Pension Plan

Periods Ended As of March 31, 2020

	Actual			Difference	
	$	%	Target	$	%
Growth	**$7,719,719,291**	**65.8%**	**60.7%**	**$594,198,707**	**5.1%**
U.S. Equity	$2,457,550,532	20.9%	18.2%	$321,068,248	2.7%
Non-U.S. Equity	$2,208,663,049	18.8%	18.2%	$72,180,765	0.6%
Private Equity	$1,117,077,718	9.5%	9.4%	$13,619,835	0.1%
High Yield/Specialty Credit	$1,936,427,992	16.5%	15.0%	$175,590,945	1.5%
Liquidity	**$2,299,100,980**	**19.6%**	**16.3%**	**$385,658,056**	**3.3%**
Core Fixed Income	$1,868,303,146	15.9%	15.9%	$1,815,876	0.0%
Cash	$430,797,834	3.7%	1.4%	$266,453,043	2.3%
Diversifying	**$1,720,093,376**	**14.7%**	**23.0%**	**-$979,856,763**	**-8.3%**
Real Estate	$574,129,606	4.9%	5.0%	-$12,816,076	-0.1%
Real Return	$783,577,440	6.7%	15.0%	-$977,259,607	-8.3%
Absolute Return	$362,386,330	3.1%	3.0%	$10,218,921	0.1%

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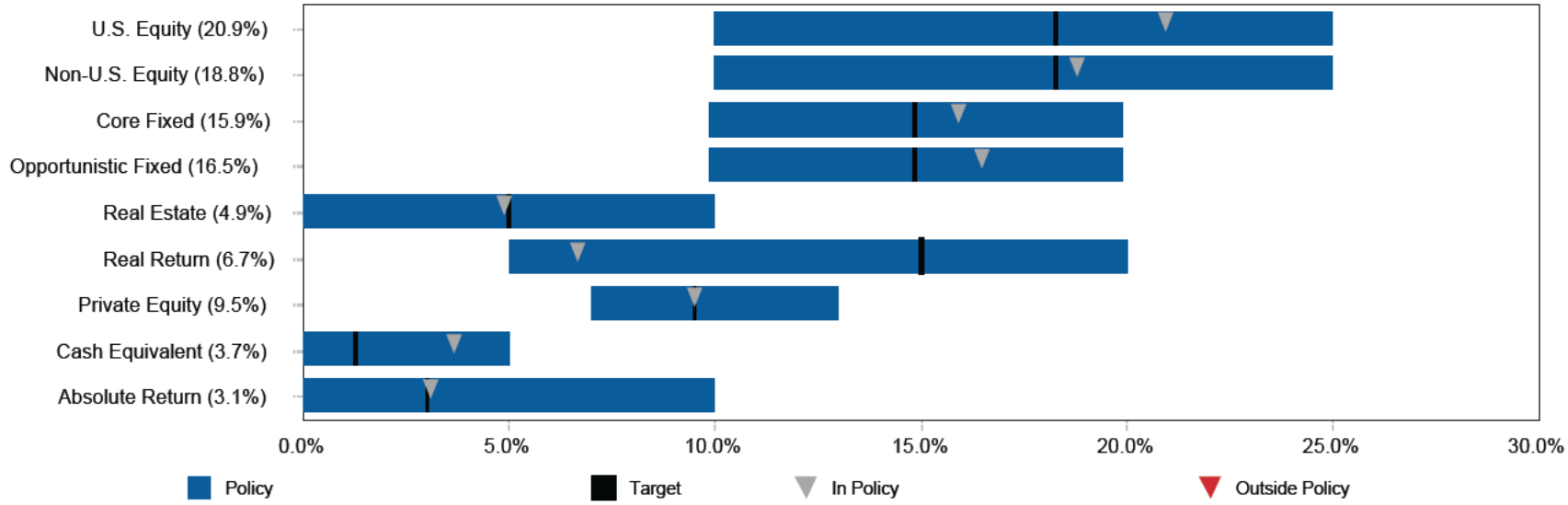
Asset Allocation Compliance

KRS Pension Plan

Periods Ended As of March 31, 2020

Executive Summary



	Asset Allocation $	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance $
U.S. Equity	2,457,550,532	20.9	10.0	25.0	18.3	-315,198,791
Non-U.S. Equity	2,208,663,049	18.8	10.0	25.0	18.3	-66,311,309
Core Fixed	1,868,303,146	15.9	9.9	19.9	14.9	-122,139,741
Opportunistic Fixed	1,936,427,992	16.5	9.9	19.9	14.9	-190,264,587
Real Estate	574,129,606	4.9	0.0	10.0	5.0	12,816,076
Real Return	783,577,440	6.7	5.0	20.0	15.0	977,259,607
Private Equity	1,117,077,718	9.5	7.0	13.0	9.5	-1,880,921
Cash Equivalent	430,797,834	3.7	0.0	5.0	1.3	-284,061,413
Absolute Return	362,386,330	3.1	0.0	10.0	3.0	-10,218,920
Total Fund	11,738,913,646	100.0			100.0	

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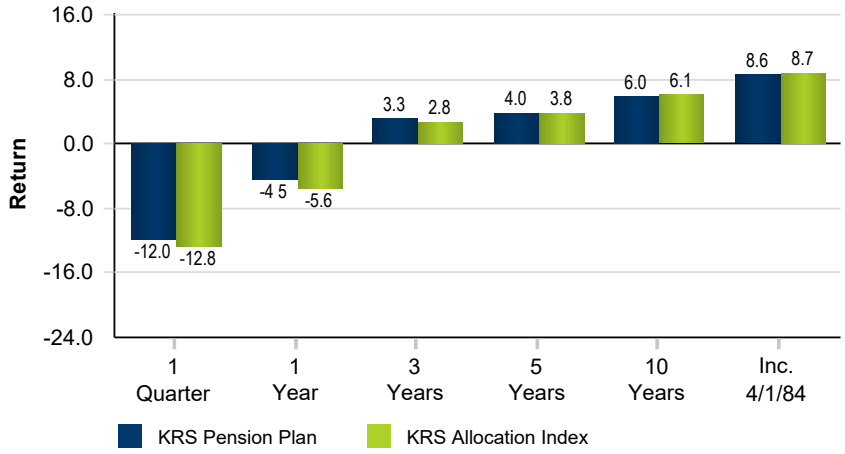
Total Fund Summary

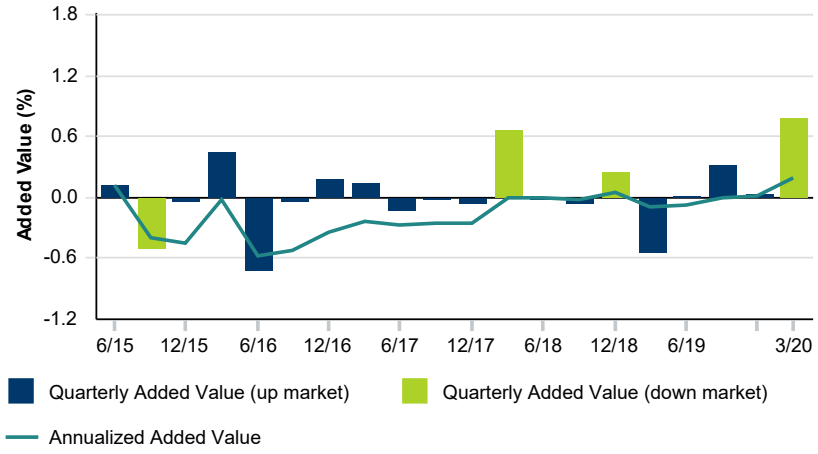
KRS Pension Plan

Periods Ended March 31, 2020

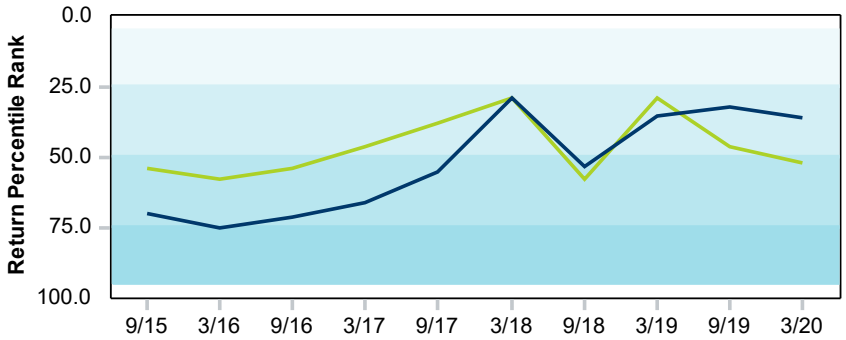
Comparative Performance



Added Value History

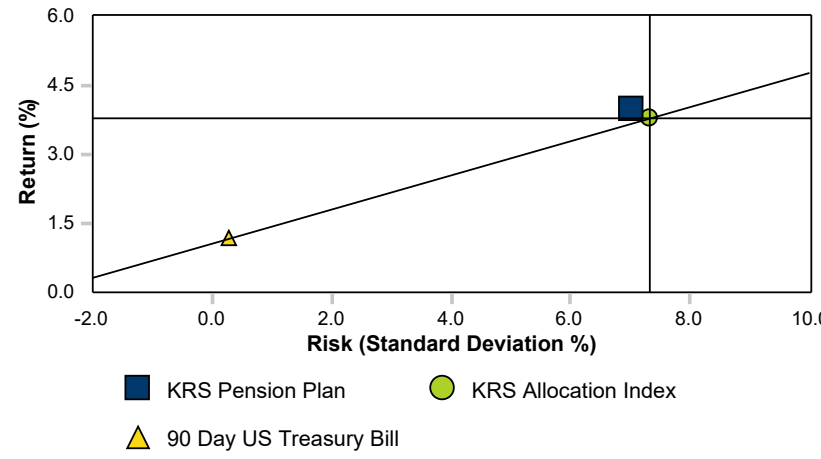


Rolling Percentile Rank: All Public Plans-Total Fund



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
KRS Pension Plan	10	0 (0%)	4 (40%)	6 (60%)	0 (0%)
Benchmark	10	0 (0%)	5 (50%)	5 (50%)	0 (0%)

Risk and Return 04/1/15 - 03/31/20



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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
KRS Pension Plan	**11,738,913,646**	**100.00**	**-8.65**	**-11.98**	**-7.08**	**-4.45**	**3.29**	**3.97**	**8.63**	**4/1/1984**
KRS Allocation Index			-9.23	-12.76	-8.23	-5.64	2.82	3.78	8.72	
Value Added			0.58	0.78	1.15	1.19	0.47	0.19	-0.09	
KRS IPS Index			-9.20	-12.69	-8.10	-5.48				
Value Added			0.55	0.71	1.02	1.03				
KERS Pension Plan	**2,129,622,388**	**18.14**	**-7.75**	**-10.26**	**-5.78**	**-3.35**	**3.34**	**3.80**	**8.60**	**4/1/1984**
KERS Allocation Index			-8.82	-11.66	-7.37	-4.84	2.78	3.45	8.67	
Value Added			1.07	1.40	1.59	1.49	0.56	0.35	-0.07	
KERS IPS Index			-9.12	-12.04	-7.73	-5.22				
Value Added			1.37	1.78	1.95	1.87				
Assumed Rate 5.25%			0.43	1.29	3.91	5.25				
Value Added			-8.18	-11.55	-9.69	-8.60				
KERS (H) Pension Plan	**633,301,939**	**5.39**	**-9.02**	**-12.53**	**-7.69**	**-5.09**	**3.06**	**3.88**	**8.61**	**4/1/1984**
KERS (H) Allocation Index			-9.31	-12.96	-8.33	-5.72	3.03	3.84	8.72	
Value Added			0.29	0.43	0.64	0.63	0.03	0.04	-0.11	
KERS (H) IPS Index			-9.21	-12.81	-8.15	-5.51				
Value Added			0.19	0.28	0.46	0.42				
Assumed Rate 6.25%			0.51	1.53	4.65	6.25				
Value Added			-9.53	-14.06	-12.34	-11.34				
CERS Pension Plan	**6,515,091,118**	**55.50**	**-8.88**	**-12.41**	**-7.47**	**-4.83**	**3.19**	**3.95**	**8.62**	**4/1/1984**
CERS Allocation Index			-9.31	-12.96	-8.35	-5.73	3.03	3.84	8.72	
Value Added			0.43	0.55	0.88	0.90	0.16	0.11	-0.10	
CERS IPS Index			-9.21	-12.81	-8.17	-5.53				
Value Added			0.33	0.40	0.70	0.70				
Assumed Rate 6.25%			0.51	1.53	4.65	6.25				
Value Added			-9.39	-13.94	-12.12	-11.08				

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
CERS (H) Pension Plan	**2,196,814,128**	**18.71**	**-8.85**	**-12.44**	**-7.57**	**-4.92**	**3.17**	**3.96**	**8.62**	**4/1/1984**
CERS (H) Allocation Index			-9.33	-13.05	-8.47	-5.85	3.02	3.83	8.72	
Value Added			0.48	0.61	0.90	0.93	0.15	0.13	-0.10	
CERS (H) IPS Index			-9.23	-12.90	-8.30	-5.65				
Value Added			0.38	0.46	0.73	0.73				
Assumed Rate 6.25%			0.51	1.53	4.65	6.25				
Value Added			-9.36	-13.97	-12.22	-11.17				
SPRS Pension Plan	**264,084,115**	**2.25**	**-8.22**	**-10.77**	**-6.24**	**-3.74**	**3.20**	**3.58**	**8.57**	**4/1/1984**
SPRS Allocation Index			-8.50	-11.26	-6.85	-4.31	3.38	3.98	8.74	
Value Added			0.28	0.49	0.61	0.57	-0.18	-0.40	-0.17	
SPRS IPS Index			-8.79	-11.64	-7.21	-4.70				
Value Added			0.57	0.87	0.97	0.96				
Assumed Rate 5.25%			0.43	1.29	3.91	5.25				
Value Added			-8.65	-12.06	-10.15	-8.99				

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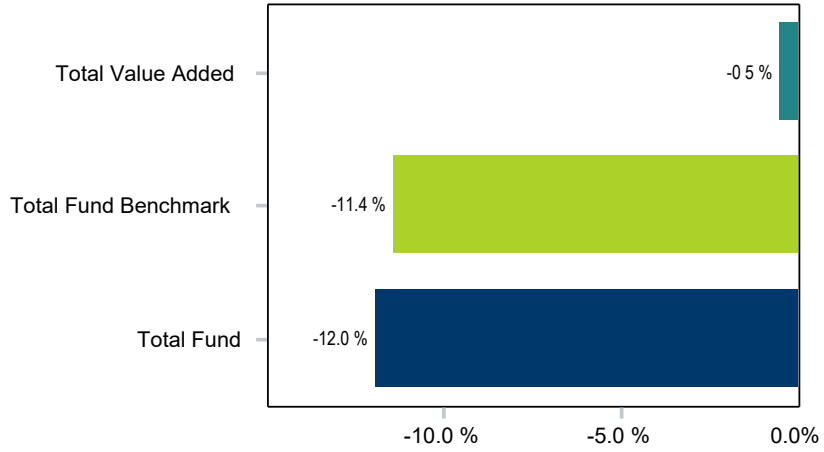
Total Fund Attribution

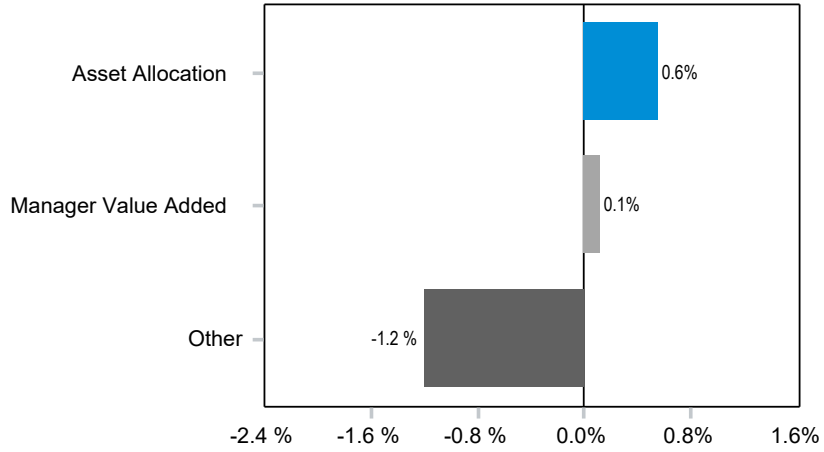
KRS Pension Plan

Periods Ended 1 Quarter Ending March 31, 2020

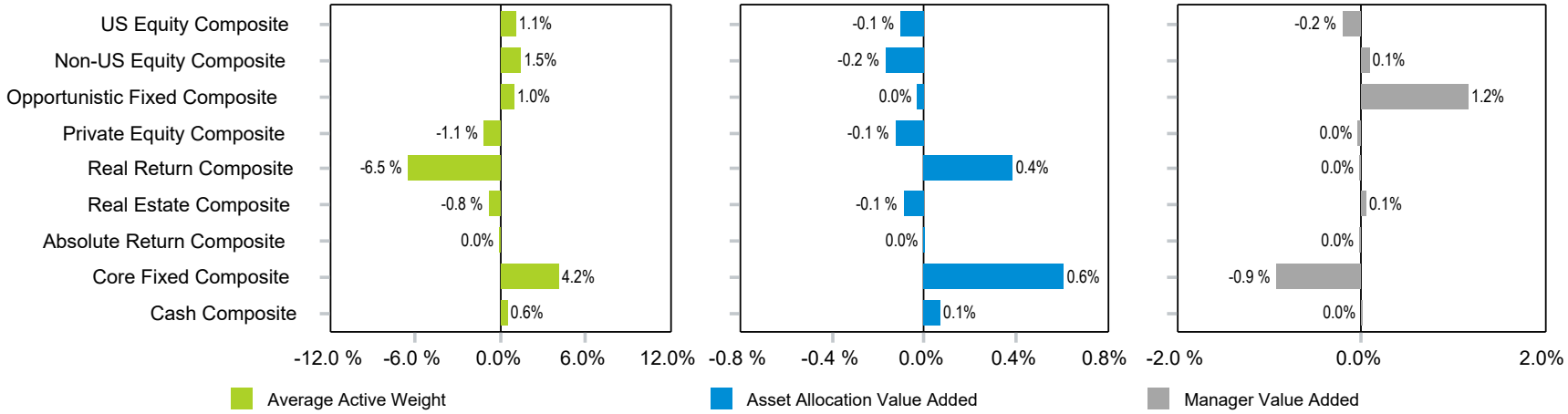
Total Fund Performance



Total Value Added:-0.5 %



Total Asset Allocation:0.6% | **Asset Allocation Value Added:0.6%** | **Total Manager Value Added:0.1%**



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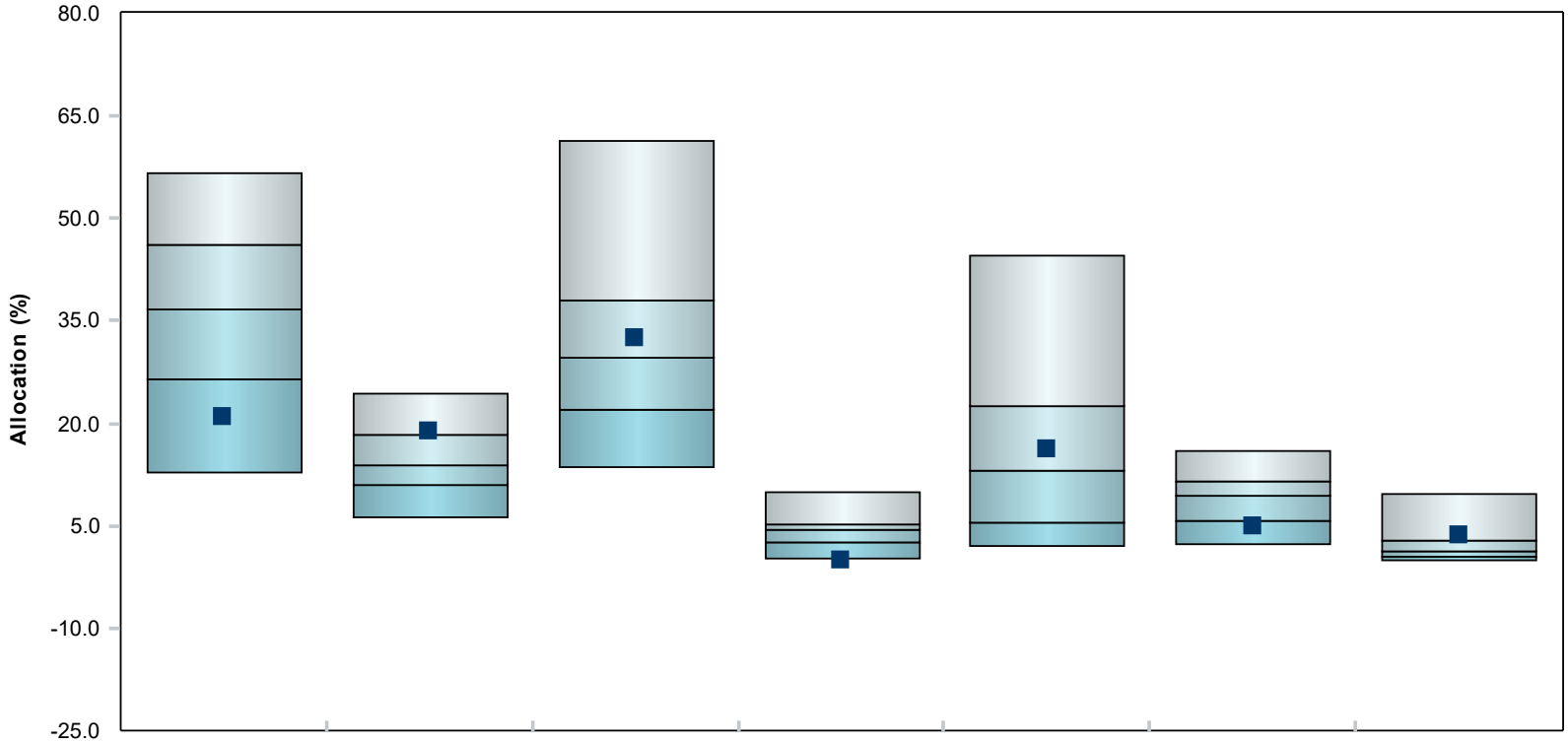
Plan Sponsor TF Asset Allocation

KRS Pension Plan vs All Public Plans-Total Fund

Periods Ended March 31, 2020



	US Equity	Intl. Equity	US Fixed Income	Intl. Fixed Income	Alternative Inv.	Real Estate	Cash
■ KRS Pension Plan	20.94	18.81	32.41	0.00	16.19	4.89	3.67
5th Percentile	56.55	24.39	61.39	9.80	44.44	16.02	9.57
1st Quartile	46.03	18.42	38.00	5.24	22.46	11.58	2.83
Median	36.78	13.91	29.49	4.33	13.07	9.41	1.34
3rd Quartile	26.50	10.87	21.92	2.61	5.57	5.64	0.52
95th Percentile	12.86	6.31	13.48	0.08	1.92	2.39	0.06

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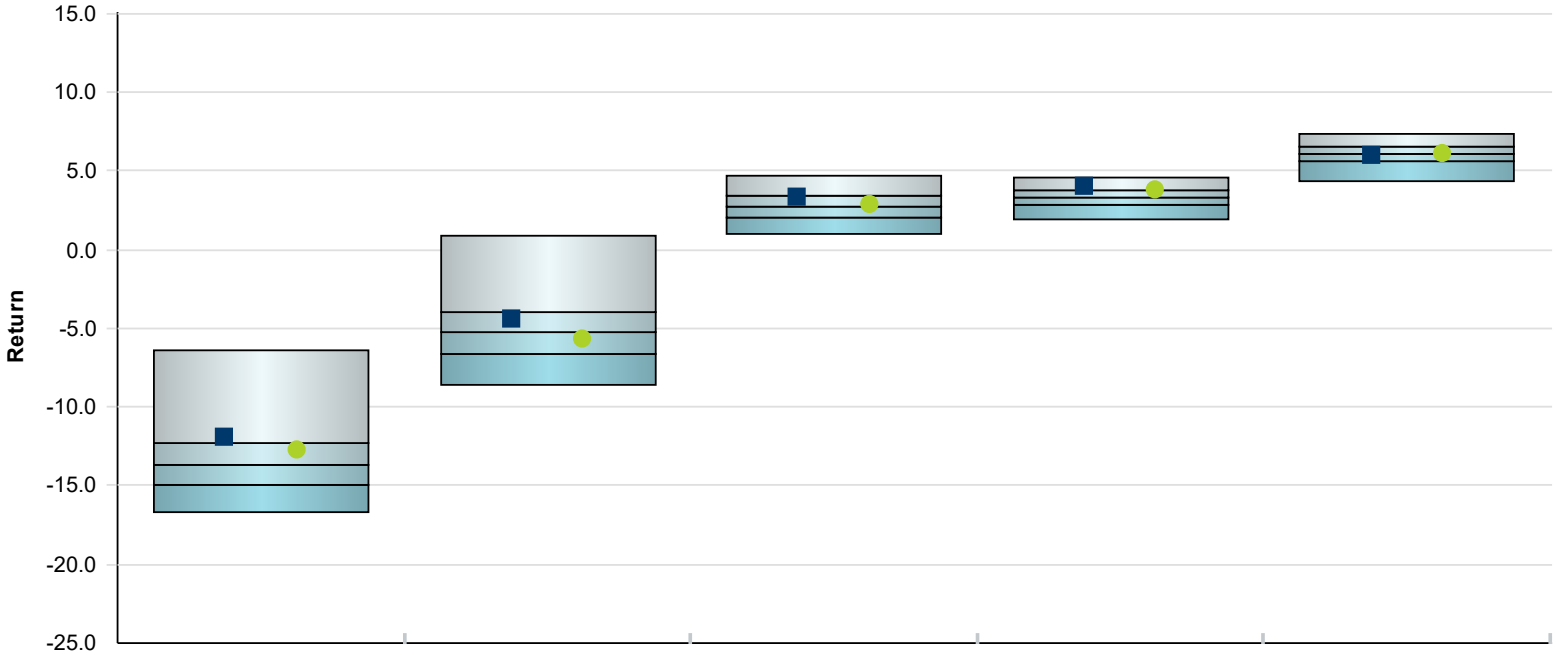
Plan Sponsor Peer Group Analysis

KRS Pension Plan vs All Public Plans-Total Fund

Periods Ended March 31, 2020



	QTD	1 Year	3 Years	5 Years	10 Years
KRS Pension Plan	-11.98 (21)	-4.45 (35)	3.29 (30)	3.97 (19)	5.99 (55)
KRS Allocation Index	-12.76 (34)	-5.64 (58)	2.82 (46)	3.78 (27)	6.08 (50)
5th Percentile	-6.39	0.86	4.67	4.56	7.34
1st Quartile	-12.26	-3.90	3.41	3.83	6.57
Median	-13.67	-5.24	2.72	3.29	6.07
3rd Quartile	-14.99	-6.63	2.02	2.84	5.61
95th Percentile	-16.71	-8.57	0.97	1.92	4.41
Population	592	590	555	512	422

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

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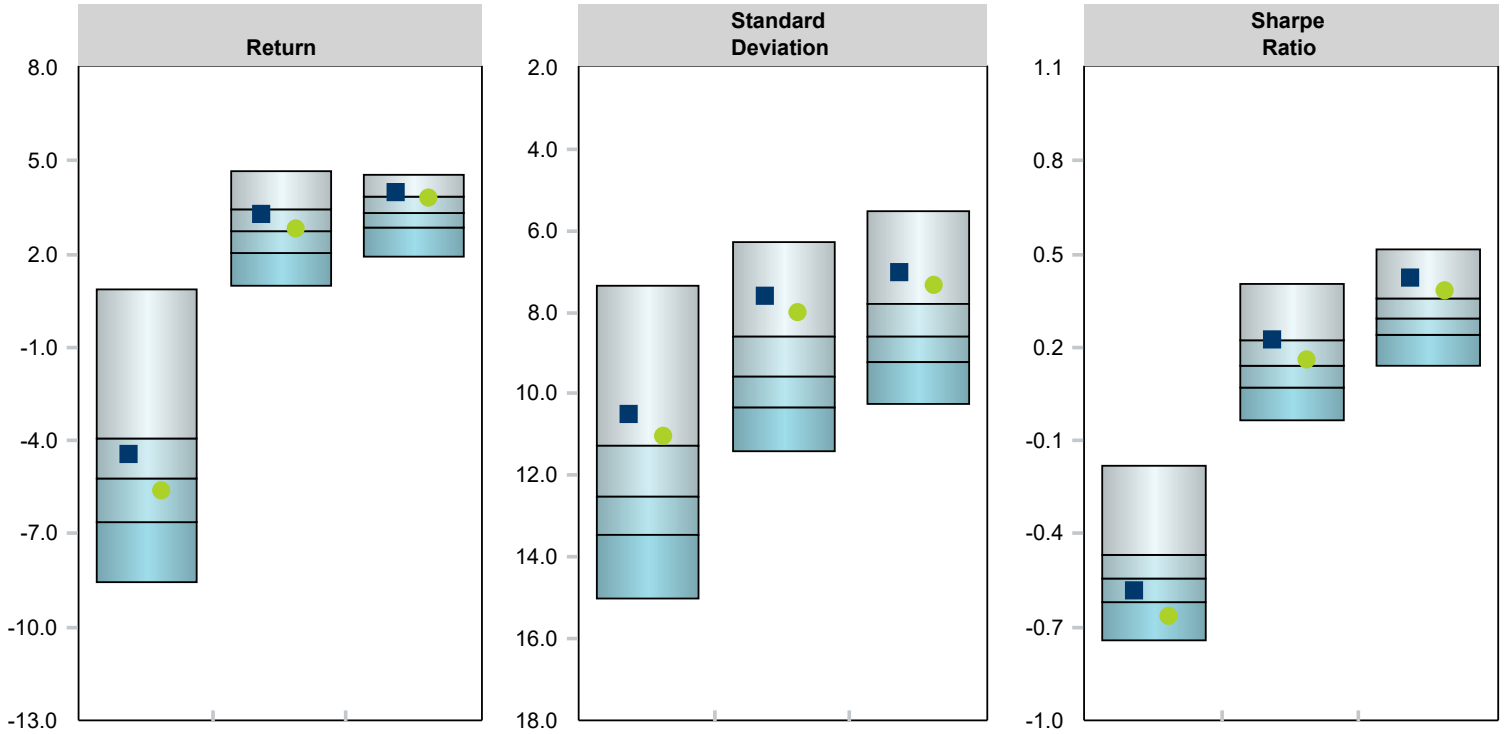
Plan Sponsor Peer Group Analysis-Multi Statistics

KRS Pension Plan

Periods Ended March 31, 2020



	Return 1 Year	Return 3 Years	Return 5 Years	Standard Deviation 1 Year	Standard Deviation 3 Years	Standard Deviation 5 Years	Sharpe Ratio 1 Year	Sharpe Ratio 3 Years	Sharpe Ratio 5 Years
■ KRS Pension Plan	-4.45 (35)	3.29 (30)	3.97 (19)	10.52 (16)	7.63 (10)	7.02 (11)	-0.58 (63)	0.22 (25)	0.42 (13)
● KRS Allocation Index	-5.64 (58)	2.82 (46)	3.78 (27)	11.04 (21)	8.01 (14)	7.33 (16)	-0.66 (86)	0.16 (44)	0.38 (18)
5th Percentile	0.86	4.67	4.56	7.35	6.26	5.53	-0.18	0.40	0.52
1st Quartile	-3.90	3.41	3.83	11.25	8.60	7.79	-0.47	0.22	0.36
Median	-5.24	2.72	3.29	12.50	9.56	8.59	-0.54	0.14	0.29
3rd Quartile	-6.63	2.02	2.84	13.44	10.35	9.20	-0.62	0.07	0.24
95th Percentile	-8.57	0.97	1.92	14.99	11.40	10.25	-0.74	-0.03	0.14

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

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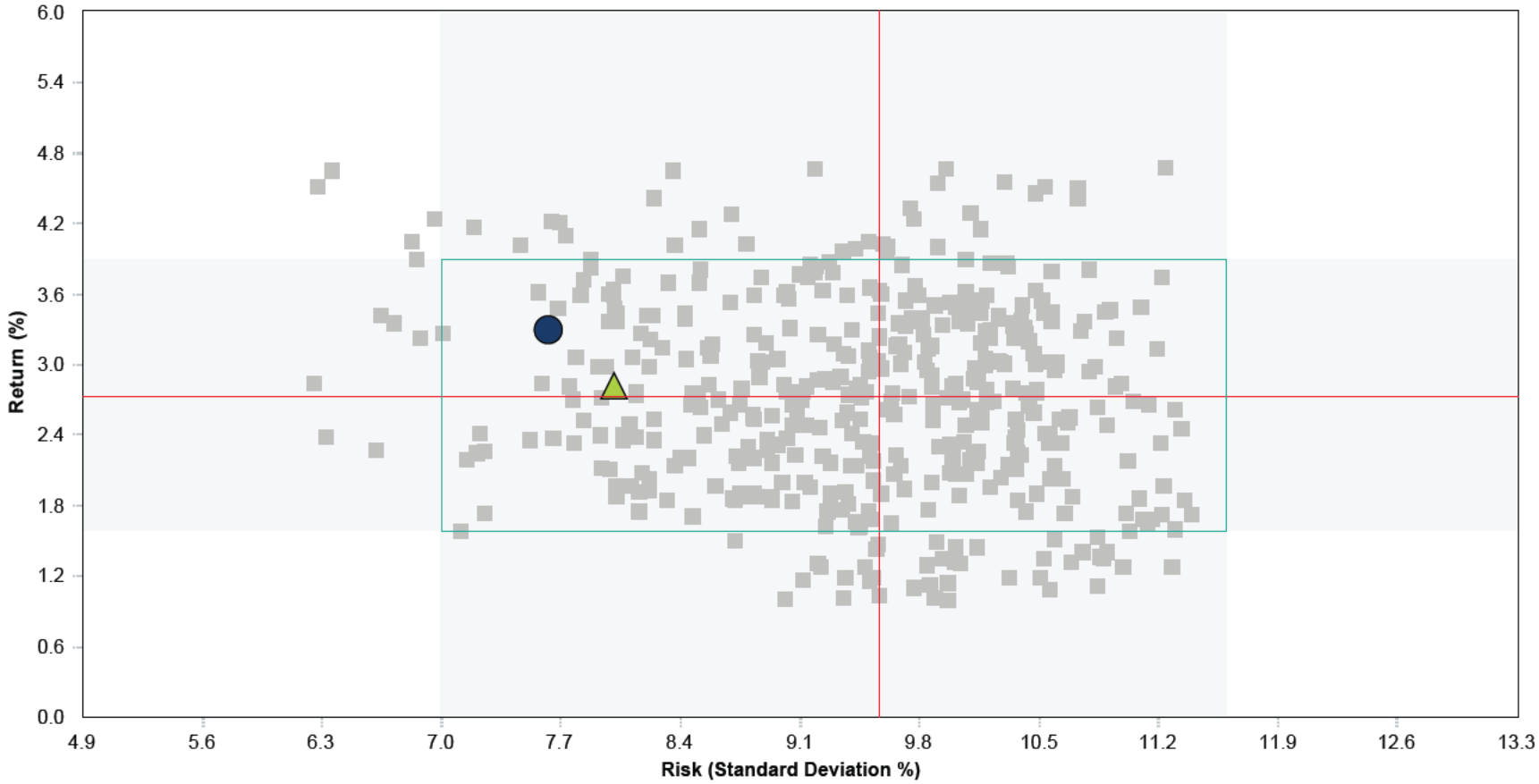
Plan Sponsor Scattergram

KRS Pension Plan vs All Public Plans-Total Fund

Periods Ended April 1, 2017 To March 31, 2020



	Return	Standard Deviation
KRS Pension Plan	3.29	7.63
KRS Allocation Index	2.82	8.01
Median	2.72	9.56

Calculation based on monthly periodicity.

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
KRS Pension Plan	**11,738,913,646**	**100.00**	**-8.65**	**-11.98**	**-7.08**	**-4.45**	**3.29**	**3.97**	**8.63**	**4/1/1984**
KRS Allocation Index			-9.23	-12.76	-8.23	-5.64	2.82	3.78	8.72	
Value Added			0.58	0.78	1.15	1.19	0.47	0.19	-0.09	
KRS IPS Index			-9.20	-12.69	-8.10	-5.48				
Value Added			0.55	0.71	1.02	1.03				
GROWTH										
US Equity Composite	**2,457,550,532**	**20.94**	**-14.29**	**-21.86**	**-13.93**	**-10.28**	**2.92**	**4.85**	**10.55**	**4/1/1984**
Russell 3000 Index			-13.75	-20.90	-12.70	-9.13	4.00	5.77	10.47	
Value Added			-0.54	-0.96	-1.23	-1.15	-1.08	-0.92	0.08	
S&P 500 Index	**1,466,292,916**	**12.49**	**-11.62**	**-18.93**	**-10.09**	**-6.20**	**5.49**	**6.93**	**6.60**	**7/1/2001**
S&P 500 Index			-12.35	-19.60	-10.82	-6.98	5.10	6.73	6.17	
Value Added			0.73	0.67	0.73	0.78	0.39	0.20	0.43	
Scientific Beta	**363,430,944**	**3.10**	**-16.27**	**-23.89**	**-17.79**	**-14.03**	**1.35**		**3.98**	**7/1/2016**
S&P 500 Index			-12.35	-19.60	-10.82	-6.98	5.10		7.86	
Value Added			-3.92	-4.29	-6.97	-7.05	-3.75		-3.88	
River Road FAV	**159,466,821**	**1.36**	**-19.03**	**-29.93**	**-21.24**	**-17.33**	**0.34**		**5.64**	**7/1/2016**
Russell 3000 Value Index			-17.58	-27.32	-20.93	-18.02	-2.67		1.51	
Value Added			-1.45	-2.61	-0.31	0.69	3.01		4.13	
Westfield Capital	**159,978,051**	**1.36**	**-11.89**	**-15.48**	**-3.44**	**1.84**	**11.05**	**7.62**	**11.38**	**7/1/2011**
Russell 3000 Growth Index			-10.41	-14.85	-4.73	-0.44	10.54	9.74	12.26	
Value Added			-1.48	-0.63	1.29	2.28	0.51	-2.12	-0.88	

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Internal US Mid Cap	**116,274,095**	**0.99**	**-19.58**	**-29.14**	**-24.13**	**-21.78**	**-3.30**	**1.00**	**2.96**	**8/1/2014**
S&P MidCap 400 Index			-20.25	-29.70	-24.80	-22.51	-4.09	0.56	2.58	
Value Added			0.67	0.56	0.67	0.73	0.79	0.44	0.38	
NTGI Structured	**145,307,503**	**1.24**	**-20.85**	**-29.99**	**-24.61**	**-22.44**	**-3.27**	**0.83**	**8.09**	**10/1/1999**
Russell 2000 Index			-21.73	-30.61	-25.55	-23.99	-4.64	-0.25	6.38	
Value Added			0.88	0.62	0.94	1.55	1.37	1.08	1.71	
Next Century Growth	**46,720,711**	**0.40**	**-19.09**	**-21.00**					**-14.70**	**11/1/2019**
Russell Microcap Growth Index			-20.94	-26.59					-15.66	
Value Added			1.85	5.59					0.96	
Invesco	**40,938**	**0.00**								
Transition Account	**38,551**	**0.00**								
Non-US Equity Composite	**2,208,663,049**	**18.81**	**-15.58**	**-23.80**	**-17.69**	**-14.98**	**-0.65**	**0.55**	**2.16**	**7/1/2000**
Policy Index			-15.11	-24.11	-18.55	-16.32	-2.25	-0.63	2.17	
Value Added			-0.47	0.31	0.86	1.34	1.60	1.18	-0.01	
BlackRock World Ex US	**602,535,562**	**5.13**	**-14.08**	**-23.23**	**-18.50**	**-15.94**	**-1.95**	**-0.51**	**4.29**	**7/1/2009**
Policy Index			-14.12	-23.26	-18.52	-16.09	-2.16	-0.77	4.07	
Value Added			0.04	0.03	0.02	0.15	0.21	0.26	0.22	
American Century	**338,313,502**	**2.88**	**-11.89**	**-17.73**	**-8.44**	**-3.44**	**6.74**	**3.42**	**2.56**	**7/1/2014**
Policy Index			-15.11	-24.11	-18.55	-16.32	-2.30	-0.67	-1.56	
Value Added			3.22	6.38	10.11	12.88	9.04	4.09	4.12	

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Franklin Templeton	**235,272,234**	**2.00**	**-16.41**	**-22.75**	**-13.55**	**-10.21**	**3.31**	**3.93**	**2.76**	**7/1/2014**
Policy Index			-15.11	-24.11	-18.55	-16.32	-2.30	-0.67	-1.56	
Value Added			-1.30	1.36	5.00	6.11	5.61	4.60	4.32	
Lazard Asset Mgmt	**416,630,628**	**3.55**	**-16.09**	**-24.10**	**-19.24**	**-16.47**	**-0.47**	**0.07**	**-0.41**	**7/1/2014**
Policy Index			-15.11	-24.11	-18.55	-16.32	-2.30	-0.67	-1.56	
Value Added			-0.98	0.01	-0.69	-0.15	1.83	0.74	1.15	
LSV Asset Mgmt	**336,317,526**	**2.86**	**-17.40**	**-27.07**	**-20.63**	**-19.34**	**-4.07**	**-1.44**	**-2.06**	**7/1/2014**
Policy Index			-15.11	-24.11	-18.55	-16.32	-2.30	-0.67	-1.56	
Value Added			-2.29	-2.96	-2.08	-3.02	-1.77	-0.77	-0.50	
NTGI Int'l Small Cap	**60,847,952**	**0.52**	**-19.55**	**-28.77**	**-21.77**	**-20.71**	**-4.57**	**-0.50**	**8.00**	**12/1/2008**
MSCI AC World ex USA Small Cap (Net)			-19.30	-29.01	-22.12	-21.18	-4.89	-0.81	8.17	
Value Added			-0.25	0.24	0.35	0.47	0.32	0.31	-0.17	
JP Morgan Emerging Markets	**108,018,284**	**0.92**	**-19.04**	**-24.74**					**-20.40**	**11/1/2019**
MSCI Emerging Markets IMI			-16.16	-24.37					-18.94	
Value Added			-2.88	-0.37					-1.46	
Pzena Emerging Markets	**109,566,953**	**0.93**	**-20.28**	**-31.44**					**-26.95**	**11/1/2019**
MSCI Emerging Markets (Net)			-15.40	-23.60					-18.01	
Value Added			-4.88	-7.84					-8.94	
Pyramis Intl	**3,461**	**0.00**								
Non-US Equity Transition	**1,156,948**	**0.01**								

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Opportunistic Fixed Composite	**1,936,427,992**	**16.50**	**-5.67**	**-5.48**	**-2.52**	**-0.13**			**1.68**	**10/1/2018**
Policy Index			-11.91	-12.86	-9.93	-8.05			-4.56	
Value Added			6.24	7.38	7.41	7.92			6.24	
BSP Private Credit	**97,520,423**	**0.83**	**2.51**	**2.51**	**4.67**	**8.02**			**4.05**	**2/1/2018**
S&P/LSTA Leverage Loan Index			-12.37	-13.05	-10.66	-9.16			-2.82	
Value Added			14.88	15.56	15.33	17.18			6.87	
BSP Coinvestment	**11,451,163**	**0.10**	**1.78**	**1.78**					**1.78**	**10/1/2019**
S&P/LSTA Leverage Loan Index			-12.37	-13.05					-11.54	
Value Added			14.15	14.83					13.32	
Capital Springs	**40,169,500**	**0.34**	**0.00**						**0.00**	**2/1/2020**
S&P/LSTA Leverage Loan Index			-12.37						-13.53	
Value Added			12.37						13.53	
Cerberus Capital Mgmt	**121,853,924**	**1.04**	**0.00**	**1.86**	**6.29**	**8.70**	**8.55**	**8.76**	**8.45**	**9/1/2014**
S&P/LSTA Leverage Loan Index			-12.37	-13.05	-10.66	-9.16	-0.78	1.14	1.20	
Value Added			12.37	14.91	16.95	17.86	9.33	7.62	7.25	
Columbia	**316,485,843**	**2.70**	**-10.62**	**-12.10**	**-7.45**	**-4.45**	**1.68**	**3.03**	**5.39**	**11/1/2011**
Blmbg. Barc. U.S. Corp: High Yield			-11.46	-12.68	-9.21	-6.94	0.77	2.78	4.98	
Value Added			0.84	0.58	1.76	2.49	0.91	0.25	0.41	
Manulife Asset Mgmt	**314,007,934**	**2.67**	**-5.14**	**-4.56**	**-1.32**	**1.61**	**2.04**	**2.16**	**3.58**	**12/1/2011**
Policy Index			-1.95	1.30	3.92	7.15	4.37	3.32	2.20	
Value Added			-3.19	-5.86	-5.24	-5.54	-2.33	-1.16	1.38	

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Marathon Bluegrass	**357,123,278**	**3.04**	**0.76**	**2.75**	**2.45**	**3.94**	**3.95**		**6.67**	**1/1/2016**
Blmbg. Barc. U.S. Corp: High Yield			-11.46	-12.68	-9.21	-6.94	0.77		5.01	
Value Added			12.22	15.43	11.66	10.88	3.18		1.66	
Shenkman Capital	**173,557,130**	**1.48**	**-12.24**	**-13.27**	**-10.50**	**-9.13**	**-0.79**	**0.75**	**3.09**	**10/1/2010**
S&P/LSTA Leverage Loan Index			-12.37	-13.05	-10.66	-9.16	-0.78	1.14	3.03	
Value Added			0.13	-0.22	0.16	0.03	-0.01	-0.39	0.06	
Waterfall	**210,900,396**	**1.80**	**-17.47**	**-17.25**	**-14.02**	**-11.50**	**2.05**	**4.36**	**9.05**	**2/1/2010**
Policy Index			-8.69	-9.20	-6.75	-5.09	0.95	2.25	4.12	
Value Added			-8.78	-8.05	-7.27	-6.41	1.10	2.11	4.93	
White Oak Yield Spectrum	**129,560,911**	**1.10**	**2.23**	**2.23**	**5.34**	**7.29**			**5.10**	**3/1/2018**
S&P/LSTA Leverage Loan Index			-12.37	-13.05	-10.66	-9.16			-3.03	
Value Added			14.60	15.28	16.00	16.45			8.13	
H/2 Credit Partner	**82,356,356**	**0.70**	**-3.30**	**-3.24**	**-1.80**	**-3.66**	**0.71**	**3.08**	**4.46**	**7/1/2011**
Mesa West Core Lend	**59,717,361**	**0.51**	**1.43**	**1.43**	**6.64**	**8.62**	**7.61**	**7.73**	**6.96**	**5/1/2013**
Mesa West IV	**21,687,291**	**0.18**	**1.62**	**1.62**	**6.42**	**6.42**	**5.74**		**5.58**	**3/1/2017**
Loomis	**36,482**	**0.00**								
Private Equity Composite	**1,117,077,718**	**9.52**	**1.66**	**0.15**	**6.65**	**10.27**	**12.89**	**11.14**	**11.10**	**7/1/2002**
KRS Short-Term PE Index			1.66	0.15	6.65	10.27	12.89	11.14	11.10	
Value Added			0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Russell 3000 +3% 1 Quarter Lag			3.14	9.91	17.46	34.95	18.01	14.58	11.63	
Value Added			-1.48	-9.76	-10.81	-24.68	-5.12	-3.44	-0.53	

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
DIVERSIFYING STRATEGIES										
Real Return Composite	**783,577,440**	**6.68**	**-14.04**	**-17.50**	**-15.44**	**-13.70**	**-3.03**	**-0.39**	**1.57**	**7/1/2011**
Real Return Index (P)			-14.04	-17.50	-15.44	-13.70	-3.67	-1.30	0.64	
Value Added			0.00	0.00	0.00	0.00	0.64	0.91	0.93	
Internal TIPS	**38,092,446**	**0.32**	**-2.01**	**-0.81**	**0.65**	**2.60**	**1.78**	**1.93**	**4.62**	**5/1/2002**
Blmbg. Barc. U.S. TIPS 1-10 Year			-1.83	0.31	1.92	4.50	2.54	2.18	4.10	
Value Added			-0.18	-1.12	-1.27	-1.90	-0.76	-0.25	0.52	
PIMCO All Asset	**293,313,289**	**2.50**	**-11.75**	**-16.12**	**-12.93**	**-10.60**	**-0.98**	**1.06**	**2.66**	**12/1/2011**
Blmbg. Barc. U.S. TIPS 1-10 Year			-1.83	0.31	1.92	4.50	2.54	2.18	1.43	
Value Added			-9.92	-16.43	-14.85	-15.10	-3.52	-1.12	1.23	
Tortoise Capital	**71,101,127**	**0.61**	**-39.61**	**-49.08**	**-52.86**	**-53.15**	**-23.90**	**-16.70**	**2.16**	**8/1/2009**
Alerian MLP Index			-47.23	-57.19	-61.00	-60.95	-28.91	-20.66	-2.50	
Value Added			7.62	8.11	8.14	7.80	5.01	3.96	4.66	
Nuveen Real Asset	**168,039,295**	**1.43**	**-22.36**	**-25.50**	**-19.98**	**-17.31**	**-2.26**	**0.54**	**0.55**	**2/1/2015**
Policy Index			-15.32	-19.16	-14.99	-12.42	-0.53	1.66	1.61	
Value Added			-7.04	-6.34	-4.99	-4.89	-1.73	-1.12	-1.06	
Amerra AGRI Fund II	**24,456,817**	**0.21**	**3.80**	**3.80**	**15.42**	**16.55**	**4.15**	**5.60**	**5.43**	**12/1/2012**
Amerra AGRI Holdings	**49,138,784**	**0.42**	**-0.30**	**-0.30**	**0.99**	**1.71**	**-2.60**		**-1.07**	**8/1/2015**
BTG Pactual	**26,810,942**	**0.23**	**2.48**	**2.48**	**1.22**	**1.23**	**0.76**	**-4.34**	**-6.10**	**12/1/2014**
IFM Infrastructure	**43,954,110**	**0.37**	**0.00**	**0.00**	**2.86**				**2.86**	**7/1/2019**
Magnetar MTP EOF II	**33,791,199**	**0.29**	**2.32**	**2.32**	**5.83**	**8.53**	**7.24**		**3.91**	**8/1/2015**

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Oberland Capital	**6,577,893**	**0.06**	**0.00**	**0.00**	**19.36**	**19.36**			**10.04**	**8/1/2018**
Taurus Mine Finance	**27,525,705**	**0.23**	**0.00**	**0.00**	**4.49**	**8.81**	**10.09**	**13.30**	**13.30**	**4/1/2015**
TPF II	**775,832**	**0.01**	**0.00**	**0.00**	**-0.17**	**14.16**	**5.23**	**-0.24**	**-2.00**	**10/1/2008**
Real Estate Composite	**574,129,606**	**4.89**	**1.67**	**2.85**	**8.80**	**10.09**	**9.34**	**9.38**	**6.21**	**7/1/1984**
NCREIF ODCE NOF 1 Quarter Lag			1.27	1.27	3.15	4.39	6.13	7.98		
Value Added			0.40	1.58	5.65	5.70	3.21	1.40		
Baring	**42,241,755**	**0.36**	**9.33**	**6.67**	**40.75**	**42.74**			**31.04**	**1/1/2019**
Divcowest IV	**3,067,533**	**0.03**	**1.74**	**1.74**	**15.32**	**15.32**	**17.46**	**24.25**	**20.86**	**3/1/2014**
Fundamental Partners III	**62,268,093**	**0.53**	**2.92**	**2.92**	**13.76**	**16.00**			**9.91**	**5/1/2017**
Greenfield Acq VI	**798,274**	**0.01**	**-36.85**	**-36.85**	**-54.14**	**-54.32**	**-31.57**	**-17.82**	**-8.46**	**12/1/2012**
Greenfield Acq VII	**19,827,234**	**0.17**	**7.12**	**7.12**	**19.36**	**19.69**	**15.56**	**15.26**	**13.47**	**7/1/2014**
Harrison Street	**83,484,880**	**0.71**	**0.00**	**2.36**	**5.66**	**7.08**	**8.28**	**8.99**	**8.46**	**5/1/2012**
Lubert Adler VII	**28,914,592**	**0.25**	**0.89**	**0.89**	**0.90**	**2.02**	**8.78**	**6.07**	**0.71**	**7/1/2014**
Lubert Adler VII B	**31,312,374**	**0.27**	**4.87**	**4.87**	**9.82**	**12.46**			**6.17**	**7/1/2017**
Patron Capital	**18,566,252**	**0.16**	**3.77**	**1.48**	**5.06**	**7.05**	**16.50**		**3.58**	**8/1/2016**
Prologis Targeted US	**147,280,226**	**1.25**	**0.00**	**4.26**	**12.27**	**15.53**	**17.38**	**15.84**	**15.61**	**10/1/2014**
Rubenstein PF II	**16,367,756**	**0.14**	**0.00**	**0.00**	**0.65**	**0.65**	**10.38**	**7.12**	**11.91**	**7/1/2013**
Stockbridge Sm/Mkts	**89,851,248**	**0.77**	**1.01**	**1.01**	**4.08**	**6.24**	**7.62**	**9.00**	**8.79**	**5/1/2014**

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Walton St RE VI	**12,658,279**	**0.11**	**0.19**	**0.19**	**-0.32**	**1.03**	**4.21**	**3.78**	**-15.38**	**5/1/2009**
Walton St RE VII	**10,191,111**	**0.09**	**0.32**	**0.32**	**-2.38**	**-2.38**	**2.98**	**6.90**	**9.01**	**7/1/2013**
Perimeter Park	**7,300,000**	**0.06**								
Absolute Return Composite	**362,386,330**	**3.09**	**-8.55**	**-7.97**	**-7.14**	**-7.60**	**-0.70**	**-0.22**	**2.59**	**4/1/2010**
HFRI FOF Div 1 Month Lag			-1.27	0.74	2.66	3.63	2.96	1.74	2.79	
Value Added			-7.28	-8.71	-9.80	-11.23	-3.66	-1.96	-0.20	
Arrowmark	**173,646,207**	**1.48**	**-14.63**	**-13.12**	**-8.73**	**-6.73**			**0.52**	**6/1/2018**
S&P/LSTA Leverage Loan Index			-12.37	-13.05	-10.66	-9.16			-3.89	
Value Added			-2.26	-0.07	1.93	2.43			4.41	
Blackstone Strat Opp	**2,427,931**	**0.02**	**0.72**	**-0.55**	**-1.93**	**-4.81**			**-0.14**	**8/1/2017**
Credit Suisse	**415,818**	**0.00**	**0.00**	**0.00**	**0.67**	**2.43**			**5.49**	**6/1/2017**
Gotham Neutral Strategies	**12,429,685**	**0.11**	**-2.13**	**-6.14**	**-3.73**	**-6.83**	**-3.34**		**-3.34**	**4/1/2017**
Governors Lane Onshore	**5,576,338**	**0.05**	**-0.19**	**1.20**	**4.18**	**5.41**	**1.35**		**1.35**	**4/1/2017**
Liquidalts H20 Force	**11,702,174**	**0.10**	**-26.77**	**-35.04**	**-30.71**	**-30.63**	**-8.97**		**-5.38**	**8/1/2016**
Luxor Capital	**1,234,091**	**0.01**	**-10.82**	**-10.86**	**-25.91**	**-18.99**	**2.75**	**1.40**	**-0.85**	**4/1/2014**
Myriad Opportunities	**44,895,782**	**0.38**	**0.07**	**1.61**	**1.80**	**-1.90**	**1.70**		**2.85**	**5/1/2016**
PAAMCO	**7,095**	**0.00**	**0.00**	**0.00**	**0.05**	**0.05**	**-29.23**	**-19.59**	**-9.40**	**9/1/2011**
Pine River	**136,488**	**0.00**	**0.05**	**4.45**	**22.89**	**35.58**	**10.02**	**5.34**	**5.09**	**5/1/2014**
PRISMA Capital	**97,019,183**	**0.83**	**0.00**	**0.67**	**0.19**	**0.19**	**2.53**	**1.44**	**3.24**	**9/1/2011**

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Asset Allocation & Performance

KRS Pension Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees							
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
SRS Partners US	**9,330,748**	**0.08**	**1.90**	**4.58**	**10.89**	**17.18**			**12.11**	**8/1/2017**
Tricadia Select	**3,564,792**	**0.03**	**0.00**	**0.00**	**1.05**	**1.82**			**-9.43**	**9/1/2017**
LIQUIDITY										
Core Fixed Composite	**1,868,303,146**	**15.92**	**-3.99**	**-1.94**	**0.06**	**2.69**			**4.30**	**10/1/2018**
Blmbg. Barc. U.S. Aggregate			-0.59	3.15	5.68	8.93			9.11	
Value Added			-3.40	-5.09	-5.62	-6.24			-4.81	
Loomis Sayles Intmd	**518,519,356**	**4.42**	**-0.64**	**1.90**	**3.81**	**6.36**			**6.82**	**2/1/2019**
Blmbg. Barc. U.S. Intermediate Aggregate			-0.04	2.49	4.38	6.88			7.16	
Value Added			-0.60	-0.59	-0.57	-0.52			-0.34	
Lord Abbett	**964,590,428**	**8.22**	**-7.03**	**-6.03**	**-4.28**	**-2.49**			**0.06**	**10/1/2018**
ICE BofAML 1-3 Year U.S. Corporate			-2.79	-1.68	0.18	1.79			2.98	
Value Added			-4.24	-4.35	-4.46	-4.28			-2.92	
NISA	**385,193,362**	**3.28**	**-0.84**	**2.84**	**5.40**	**8.74**	**4.84**	**3.52**	**4.41**	**2/1/2009**
Blmbg. Barc. U.S. Aggregate			-0.59	3.15	5.68	8.93	4.82	3.36	4.25	
Value Added			-0.25	-0.31	-0.28	-0.19	0.02	0.16	0.16	
Cash Composite	**430,797,834**	**3.67**	**0.08**	**0.43**	**1.84**	**2.58**	**2.19**	**1.57**	**3.54**	**1/1/1988**
90 Day US Treasury Bill			0.29	0.58	1.61	2.25	1.83	1.17	3.16	
Value Added			-0.21	-0.15	0.23	0.33	0.36	0.40	0.38	

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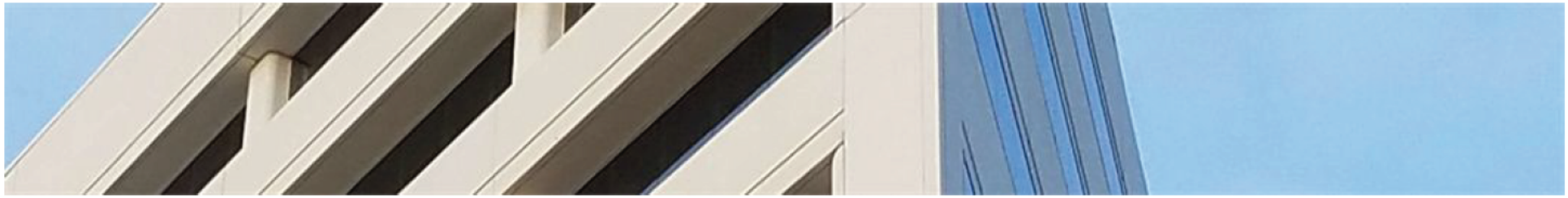

KRS Insurance Plan

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Asset Allocation Bucketing

KRS Insurance Plan

Periods Ended As of March 31, 2020

	Actual			Difference	
	$	%	Target	$	%
Growth	**$3,449,297,701**	**68.3%**	**60.7%**	**$382,223,317**	**7.6%**
U.S. Equity	$1,099,286,672	21.8%	18.8%	$151,879,016	3.0%
Non-U.S. Equity	$983,320,963	19.5%	18.8%	$35,913,307	0.7%
Private Equity	$545,652,256	10.8%	10.0%	$40,368,173	0.8%
High Yield/Specialty Credit	$821,037,810	16.2%	15.0%	$63,111,686	1.2%
Liquidity	**$848,712,600**	**16.8%**	**16.3%**	**$25,099,545**	**0.5%**
Core Fixed Income	$761,116,710	15.1%	13.5%	$78,983,198	1.6%
Cash	$87,595,890	1.7%	1.0%	$37,067,482	0.7%
Diversifying	**$754,830,529**	**14.9%**	**23.0%**	**-$407,322,862**	**-8.1%**
Real Estate	$239,752,318	4.7%	5.0%	-$12,889,724	-0.3%
Real Return	$349,407,830	6.9%	15.0%	-$408,518,295	-8.1%
Absolute Return	$165,670,381	3.3%	3.0%	$14,085,156	0.3%

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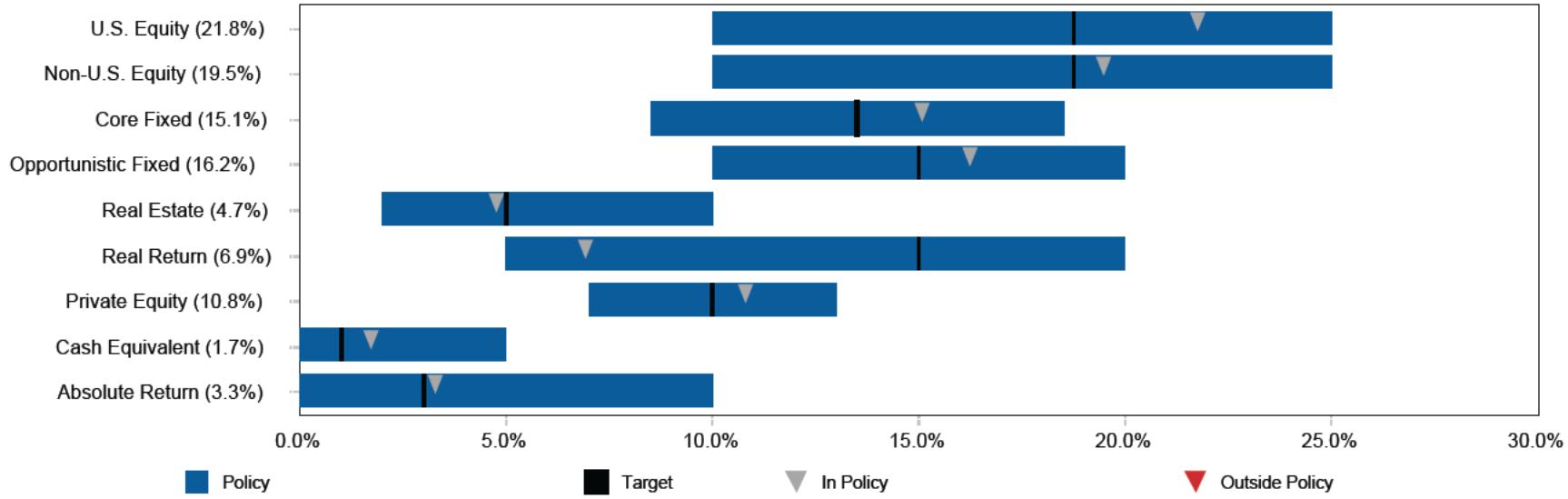
Asset Allocation Compliance

KRS Insurance Plan

Periods Ended As of March 31, 2020

Executive Summary



	Asset Allocation $	Asset Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebalance $
U.S. Equity	1,099,286,672	21.8	10.0	25.0	18.8	-151,879,016
Non-U.S. Equity	983,320,963	19.5	10.0	25.0	18.8	-35,913,308
Core Fixed	761,116,710	15.1	8.5	18.5	13.5	-78,983,198
Opportunistic Fixed	821,037,810	16.2	10.0	20.0	15.0	-63,111,685
Real Estate	239,752,318	4.7	2.0	10.0	5.0	12,889,723
Real Return	349,407,830	6.9	5.0	20.0	15.0	408,518,295
Private Equity	545,652,256	10.8	7.0	13.0	10.0	-40,368,172
Cash Equivalent	87,595,890	1.7	0.0	5.0	1.0	-37,067,482
Absolute Return	165,670,381	3.3	0.0	10.0	3.0	-14,085,156
Total Fund	5,052,840,830	100.0			100.0	

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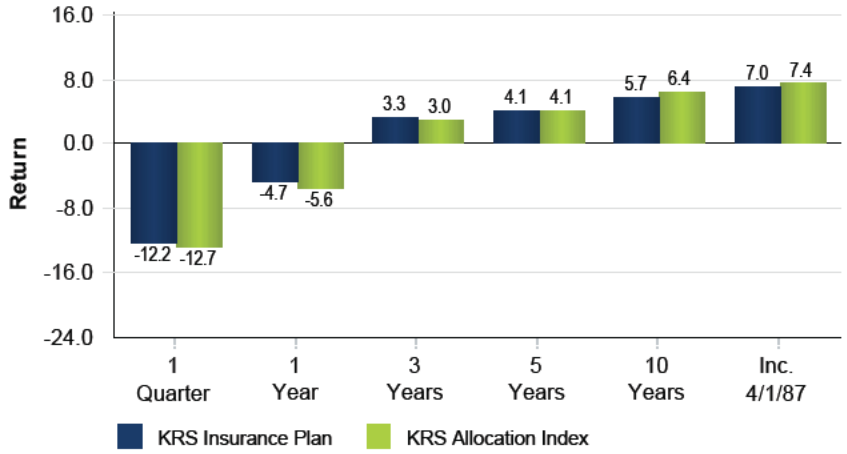
Total Fund Summary

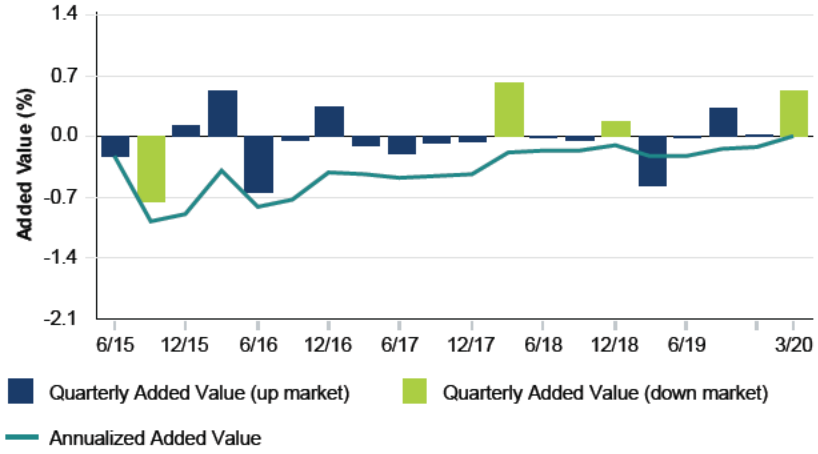
KRS Insurance Plan

Periods Ended March 31, 2020

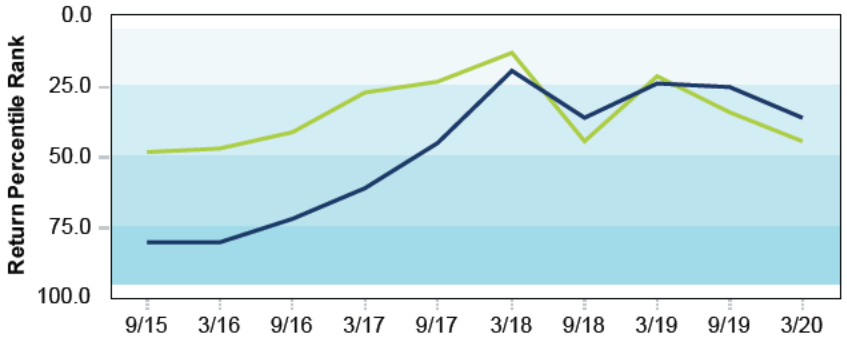
Comparative Performance



Added Value History

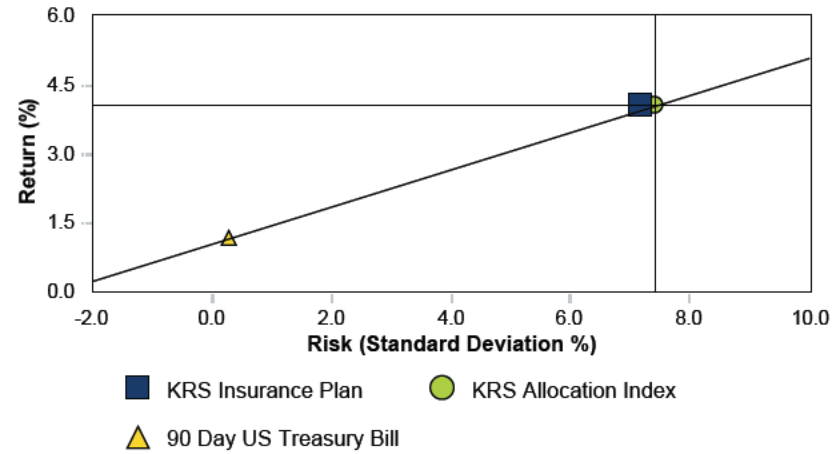


Rolling Percentile Rank: All Public Plans-Total Fund



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
KRS Insurance Plan	10	3 (30%)	3 (30%)	2 (20%)	2 (20%)
Benchmark	10	3 (30%)	7 (70%)	0 (0%)	0 (0%)

Risk and Return 04/1/15 - 03/31/20



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Asset Allocation & Performance

KRS Insurance Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees								
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
KRS Insurance Plan	**5,052,840,830**	**100.00**	**-8.65**	**-12.22**	**-7.36**	**-4.74**	**3.30**	**4.06**	**5.72**	**6.99**	**4/1/1987**
KRS Allocation Index			-9.07	-12.75	-8.22	-5.61	3.00	4.05	6.35	7.35	
Value Added			0.42	0.53	0.86	0.87	0.30	0.01	-0.63	-0.36	
KRS IPS Index			-9.05	-12.71	-8.16	-5.53					
Value Added			0.40	0.49	0.80	0.79					
KERS Insurance Plan	**888,639,941**	**17.59**	**-9.33**	**-12.84**	**-8.18**	**-5.72**	**2.38**	**3.43**	**5.32**	**6.86**	**4/1/1987**
KERS Allocation Index			-9.11	-12.58	-8.29	-5.72	2.72	3.83	6.21	7.31	
Value Added			-0.22	-0.26	0.11	0.00	-0.34	-0.40	-0.89	-0.45	
KERS IPS Index			-9.10	-12.55	-8.22	-5.64					
Value Added			-0.23	-0.29	0.04	-0.08					
Assumed Rate 6.25%			0.51	1.53	4.65	6.25					
Value Added			-9.84	-14.37	-12.83	-11.97					
KERS (H) Insurance Plan	**478,056,599**	**9.46**	**-8.67**	**-12.18**	**-7.39**	**-4.78**	**3.21**	**3.98**	**5.70**	**6.98**	**4/1/1987**
KERS (H) Allocation Index			-9.05	-12.70	-8.23	-5.63	2.98	3.98	6.29	7.33	
Value Added			0.38	0.52	0.84	0.85	0.23	0.00	-0.59	-0.35	
KERS (H) IPS Index			-9.03	-12.67	-8.17	-5.55					
Value Added			0.36	0.49	0.78	0.77					
Assumed Rate 6.25%			0.51	1.53	4.65	6.25					
Value Added			-9.18	-13.71	-12.04	-11.03					

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Asset Allocation & Performance

KRS Insurance Plan

Periods Ended March 31, 2020

	Allocation		Performance (%) net of fees								
	Market Value $	%	1 Month	QTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
CERS Insurance Plan	**2,291,100,316**	**45.34**	**-8.62**	**-12.21**	**-7.39**	**-4.78**	**3.37**	**4.11**	**5.76**	**7.00**	**4/1/1987**
CERS Allocation Index			-9.07	-12.77	-8.19	-5.57	3.05	4.03	6.31	7.34	
Value Added			0.45	0.56	0.80	0.79	0.32	0.08	-0.55	-0.34	
CERS IPS Index			-9.05	-12.73	-8.12	-5.50					
Value Added			0.43	0.52	0.73	0.72					
Assumed Rate 6.25%			0.51	1.53	4.65	6.25					
Value Added			-9.13	-13.74	-12.04	-11.03					
CERS (H) Insurance Plan	**1,210,379,803**	**23.95**	**-8.38**	**-12.01**	**-7.16**	**-4.52**	**3.52**	**4.23**	**5.82**	**7.02**	**4/1/1987**
CERS (H) Allocation Index			-9.04	-12.76	-8.21	-5.59	3.05	4.03	6.31	7.34	
Value Added			0.66	0.75	1.05	1.07	0.47	0.20	-0.49	-0.32	
CERS (H) IPS Index			-9.03	-12.72	-8.14	-5.51					
Value Added			0.65	0.71	0.98	0.99					
Assumed Rate 6.25%			0.51	1.53	4.65	6.25					
Value Added			-8.89	-13.54	-11.81	-10.77					
SPRS Insurance Plan	**184,664,195**	**3.65**	**-8.24**	**-11.72**	**-6.88**	**-4.25**	**3.61**	**4.27**	**5.84**	**7.02**	**4/1/1987**
SPRS Allocation Index			-8.99	-12.64	-8.08	-5.47	3.07	4.04	6.32	7.34	
Value Added			0.75	0.92	1.20	1.22	0.54	0.23	-0.48	-0.32	
SPRS IPS Index			-8.98	-12.60	-8.02	-5.39					
Value Added			0.74	0.88	1.14	1.14					
Assumed Rate 6.25%			0.51	1.53	4.65	6.25					
Value Added			-8.75	-13.25	-11.53	-10.50					

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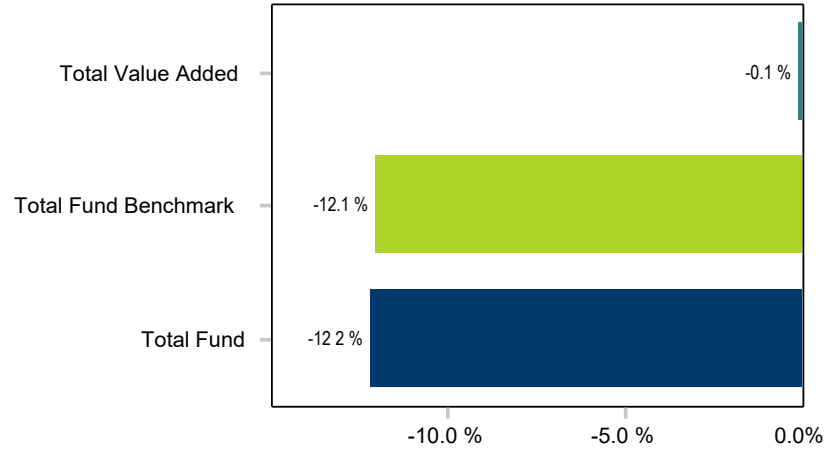
Total Fund Attribution

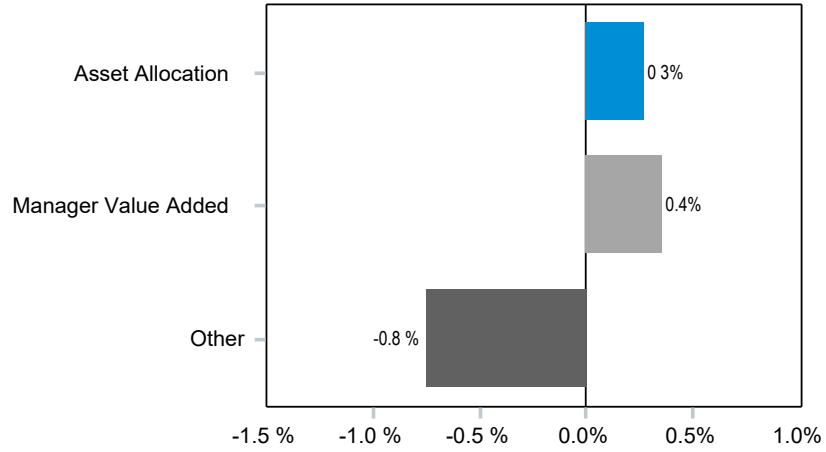
KRS Insurance Plan

Periods Ended 1 Quarter Ending March 31, 2020

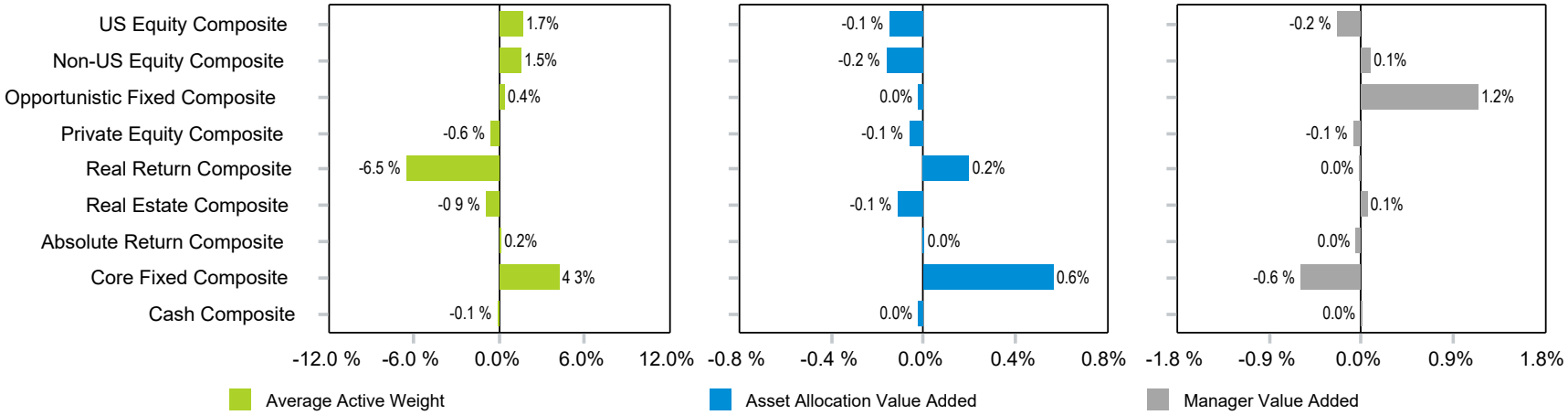
Total Fund Performance



Total Value Added:-0.1 %



Total Asset Allocation:0.3% | **Asset Allocation Value Added:0.3%** | **Total Manager Value Added:0.4%**



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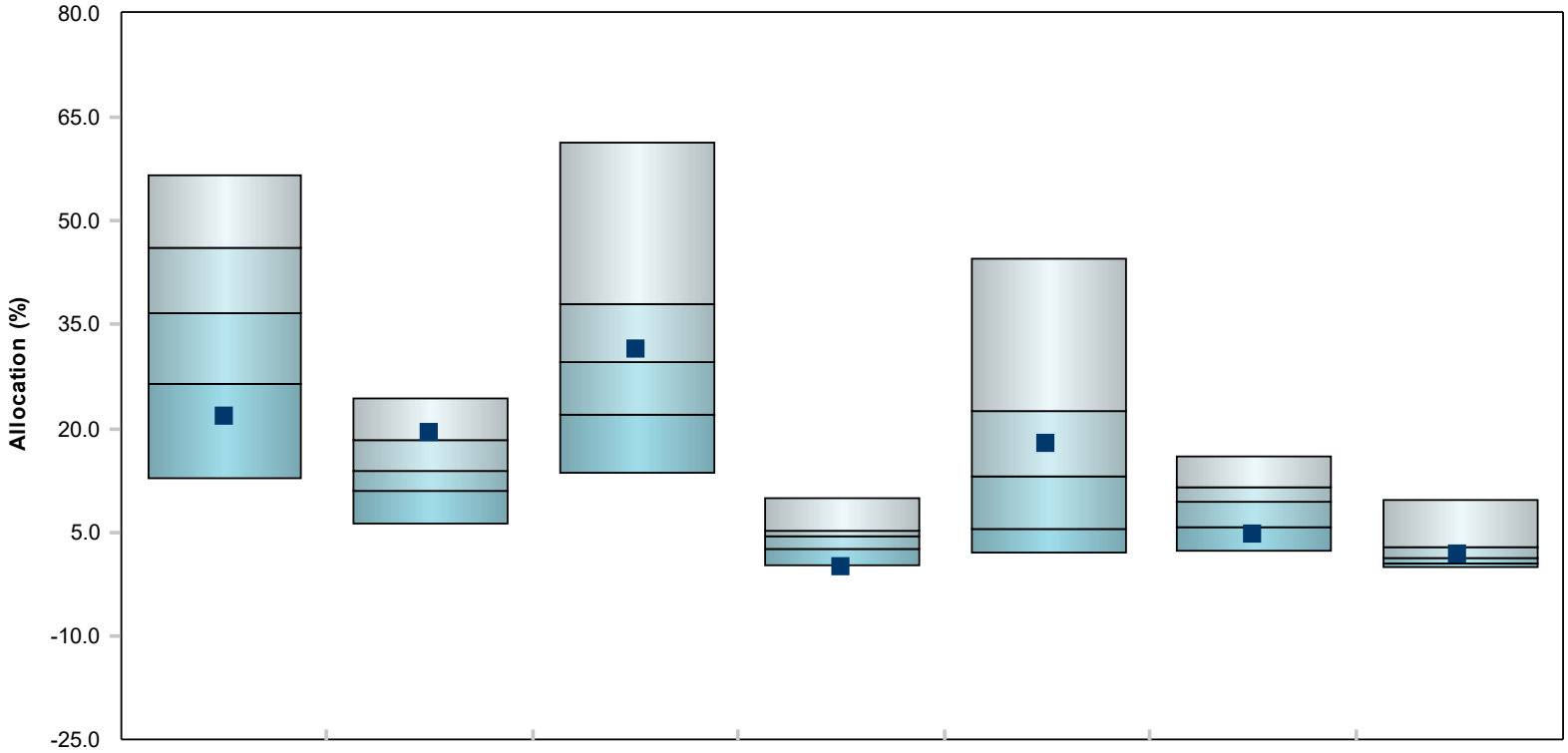
Plan Sponsor TF Asset Allocation

KRS Insurance Plan vs All Public Plans-Total Fund

Periods Ended March 31, 2020



	US Equity	Intl. Equity	US Fixed Income	Intl. Fixed Income	Alternative Inv.	Real Estate	Cash
KRS Insurance Plan	21.76	19.46	31.31	0.00	17.71	4.74	1.73
5th Percentile	56.55	24.39	61.39	9.80	44.44	16.02	9.57
1st Quartile	46.03	18.42	38.00	5.24	22.46	11.58	2.83
Median	36.78	13.91	29.49	4.33	13.07	9.41	1.34
3rd Quartile	26.50	10.87	21.92	2.61	5.57	5.64	0.52
95th Percentile	12.86	6.31	13.48	0.08	1.92	2.39	0.06

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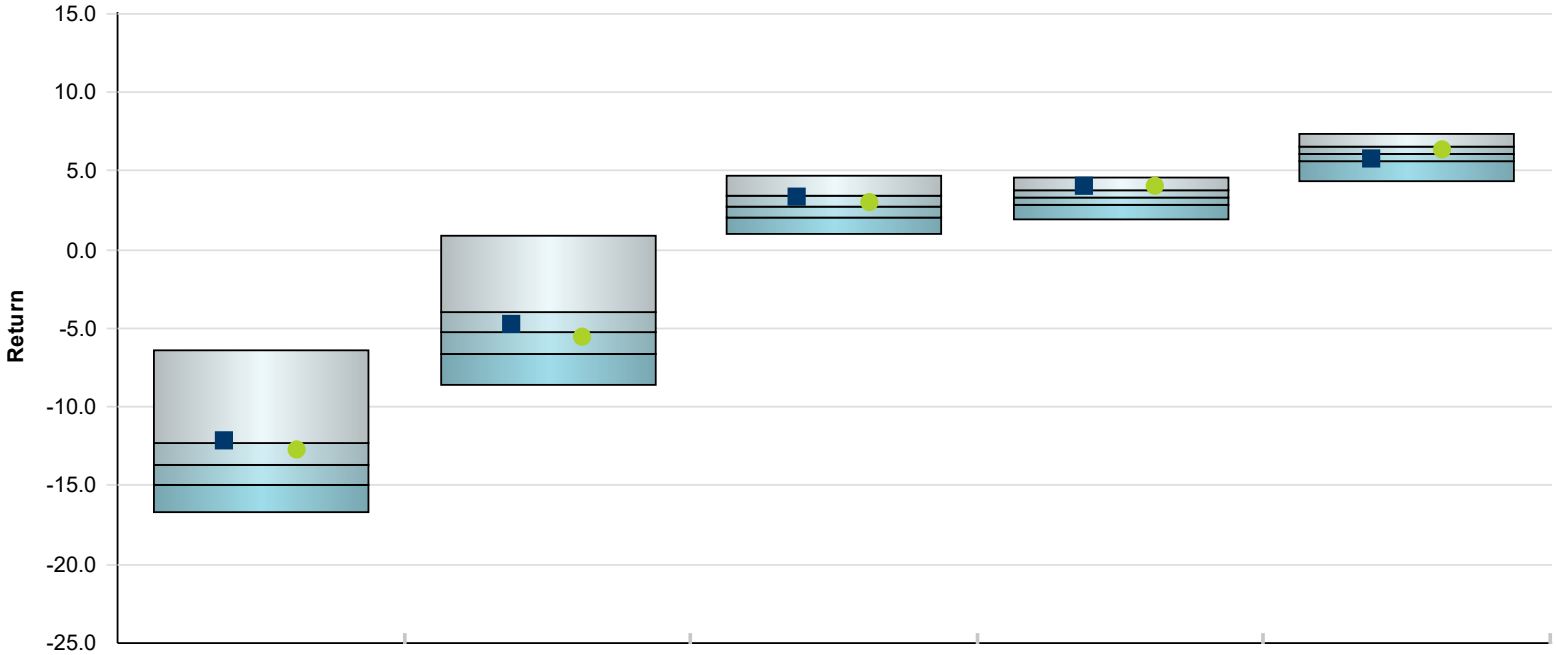
Plan Sponsor Peer Group Analysis

KRS Insurance Plan vs All Public Plans-Total Fund

Periods Ended March 31, 2020



	QTD	1 Year	3 Years	5 Years	10 Years
KRS Insurance Plan	-12.22 (24)	-4.74 (40)	3.30 (29)	4.06 (18)	5.72 (69)
KRS Allocation Index	-12.75 (33)	-5.61 (58)	3.00 (39)	4.05 (18)	6.35 (37)
5th Percentile	-6.39	0.86	4.67	4.56	7.34
1st Quartile	-12.26	-3.90	3.41	3.83	6.57
Median	-13.67	-5.24	2.72	3.29	6.07
3rd Quartile	-14.99	-6.63	2.02	2.84	5.61
95th Percentile	-16.71	-8.57	0.97	1.92	4.41
Population	592	590	555	512	422

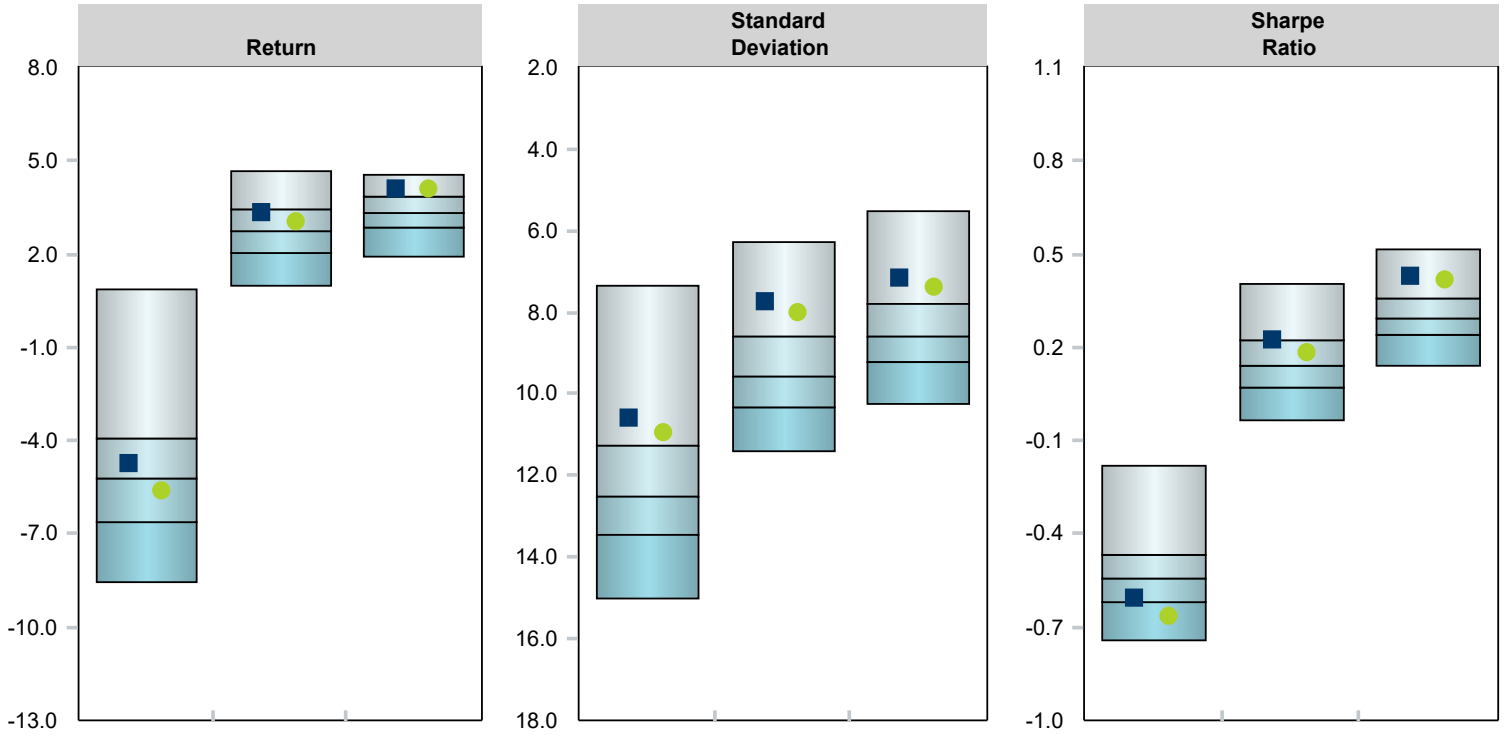
Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Wilshire Consulting

Plan Sponsor Peer Group Analysis-Multi Statistics

KRS Insurance Plan

Periods Ended March 31, 2020



	Return			Standard Deviation			Sharpe Ratio		
	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years	1 Year	3 Years	5 Years
KRS Insurance Plan	-4.74 (40)	3.30 (29)	4.06 (18)	10.61 (16)	7.74 (11)	7.19 (13)	-0.61 (72)	0.22 (25)	0.43 (12)
KRS Allocation Index	-5.61 (58)	3.00 (39)	4.05 (18)	10.97 (20)	8.03 (15)	7.40 (17)	-0.67 (86)	0.18 (36)	0.42 (13)
5th Percentile	0.86	4.67	4.56	7.35	6.26	5.53	-0.18	0.40	0.52
1st Quartile	-3.90	3.41	3.83	11.25	8.60	7.79	-0.47	0.22	0.36
Median	-5.24	2.72	3.29	12.50	9.56	8.59	-0.54	0.14	0.29
3rd Quartile	-6.63	2.02	2.84	13.44	10.35	9.20	-0.62	0.07	0.24
95th Percentile	-8.57	0.97	1.92	14.99	11.40	10.25	-0.74	-0.03	0.14

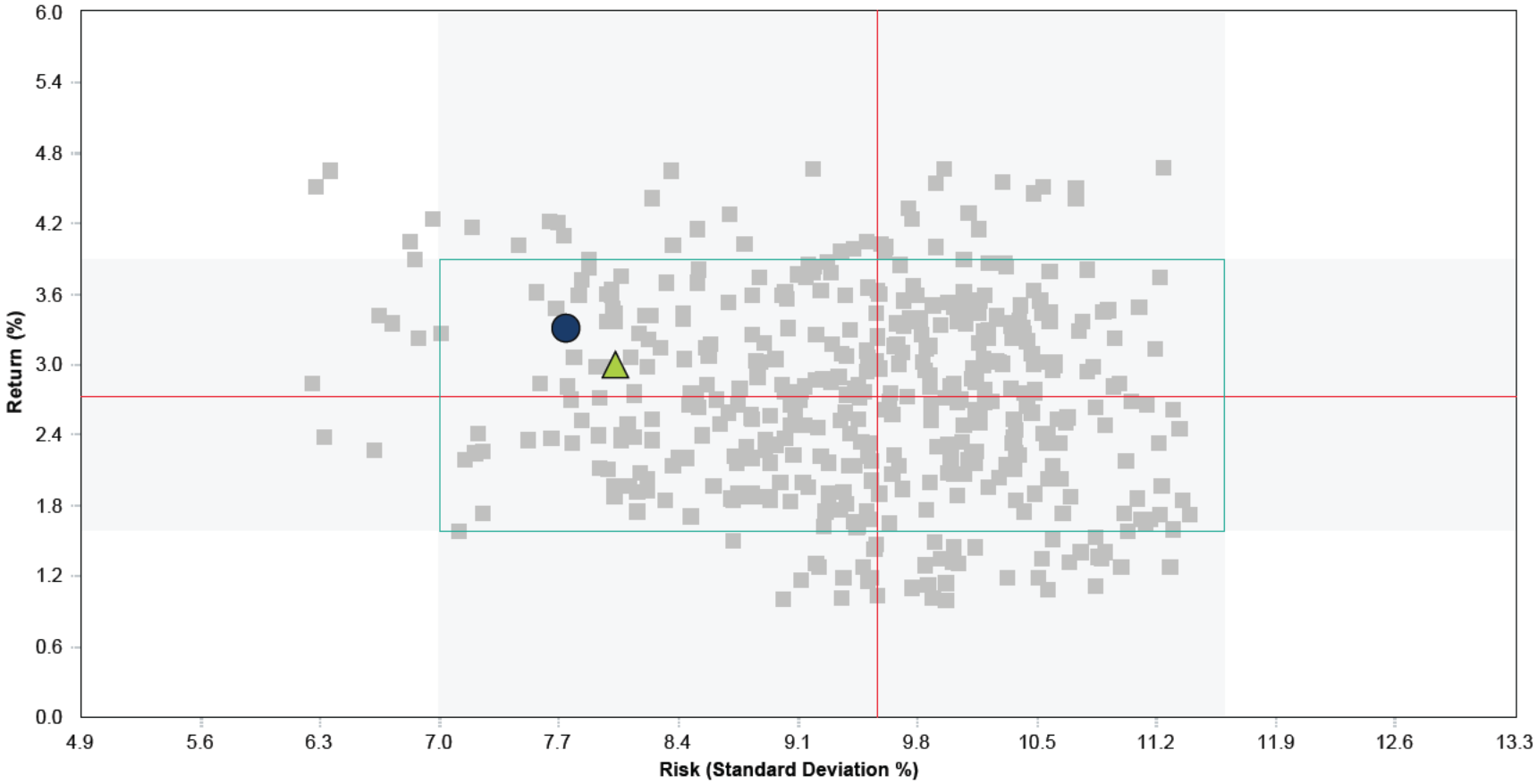
Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

Wilshire Consulting

Plan Sponsor Scattergram

KRS Insurance Plan vs All Public Plans-Total Fund

Periods Ended April 1, 2017 To March 31, 2020



	Return	Standard Deviation
KRS Insurance Plan	3.30	7.74
KRS Allocation Index	3.00	8.03
Median	2.72	9.56

Calculation based on monthly periodicity.

KRS - PENSION FUND ALLOCATIONS

5/1/2020

Category	KERS - PEN					KERSH - PEN				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	**$ 1,300,971,338**	**58.5%**	**53.50%**	**5.0%**	**$ 110,716,335**	**$ 434,738,087**	**65.4%**	**62.50%**	**2.9%**	**$ 19,457,161**
US Equity	$ 374,304,002	16.8%	15.75%	1.1%	$ 23,901,828	$ 126,443,536	19.0%	18.75%	0 3%	$ 1,859,258
Non-US Equity	$ 383,097,913	17.2%	15.75%	1.5%	$ 32,695,739	$ 137,631,538	20.7%	18.75%	2 0%	$ 13,047,260
Private Equity	$ 185,719,103	8.3%	7.00%	1.3%	$ 29,984,804	$ 59,189,589	8.9%	10.00%	-1.1%	$ (7,255,359)
High Yield/Specialty Credit	$ 357,850,320	16.1%	15.00%	1.1%	$ 24,133,964	$ 111,473,424	16.8%	15.00%	1 8%	$ 11,806,002
Liquidity	**$ 632,498,276**	**28.4%**	**23.50%**	**4.9%**	**$ 109,675,985**	**$ 134,247,295**	**20.2%**	**14.50%**	**5.7%**	**$ 37,902,121**
Core Fixed Income	$ 394,127,024	17.7%	20.50%	-2.8%	$ (61,951,996)	$ 79,492,769	12.0%	13.50%	-1 5%	$ (10,207,911)
Cash	$ 238,371,252	10.7%	3.00%	7.7%	$ 171,627,981	$ 54,754,527	8.2%	1.00%	7 2%	$ 48,110,032
Diversifying Strategies	**$ 289,524,863**	**13.0%**	**23.00%**	**-10.0%**	**$ (222,173,549**	**$ 93,953,115**	**14.1%**	**23.00%**	**-8.9%**	**$ (58,870,265**
Real Return	$ 112,912,648	5.1%	15.00%	-9.9%	$ (220,803,708)	$ 41,849,853	6.3%	15.00%	-8.7%	$ (57,817,570)
Real Estate	$ 97,832,182	4.4%	5.00%	-0.6%	$ (13,406,604)	$ 29,328,165	4.4%	5.00%	-0 6%	$ (3,894,309)
Abs Ret / Opportunistic	$ 78,780,033	3.5%	3.00%	0.5%	$ 12,036,762	$ 22,775,098	3.4%	3.00%	0.4%	$ 2,841,614
Miscellaneous	$ 1,781,229	0.1%	0.00%	0.1%	$ 1,781,229	$ 1,510,984	0.2%	0.00%	0 2%	$ 1,510,984
TOTAL PORTFOLIO	**$2,224,775,706**					**$664,449,482**				

Category	CERS - PEN					CERSH - PEN				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	**$4,448,844,067**	**65.4%**	**62.50%**	**2.9%**	**$ 195,165,700**	**$1,502,076,055**	**65.4%**	**62.50%**	**2.9%**	**$ 66,292,067**
US Equity	$1,248,569,152	18.3%	18.75%	-0.4%	$ (27,534,358)	$ 430,940,517	18 8%	18.75%	0 0%	$ 205,320
Non-US Equity	$1,405,633,404	20.7%	18.75%	1.9%	$ 129,529,894	$ 471,329,429	20 5%	18.75%	1 8%	$ 40,594,232
Private Equity	$646,552,200	9.5%	10.00%	-0.5%	$ (34,036,339)	$ 218,732,284	9.5%	10.00%	-0 5%	$ (10,993,154)
High Yield/Specialty Credit	$1 148 089 311	16.9%	15.00%	1.9%	$ 127 206 503	$ 381 073 825	16 6%	15.00%	1 6%	$ 36 485 668
Liquidity	**$1,306,344,840**	**19.2%**	**14.50%**	**4.7%**	**$ 319,491,459**	**$448,970,836**	**19.5%**	**14.50%**	**5.0%**	**$ 115,868,951**
Core Fixed Income	$730,698,845	10.7%	13.50%	-2.8%	$ (188,095,682)	$ 250,766,132	10 9%	13.50%	-2 6%	$ (59,363,210)
Cash	$575,645,995	8.5%	1.00%	7.5%	$ 507,587,141	$ 198,204,705	8.6%	1.00%	7 6%	$ 175,232,161
Diversifying Strategies	**$1,049,320,475**	**15.4%**	**23.00%**	**-7.6%**	**$ (516,033,164**	**$ 344,479,190**	**15.0%**	**23.00%**	**-8.0%**	**$ (183,889,317**
Real Return	$463,807,432	6.8%	15.00%	-8.2%	$ (557,075,377)	$ 157,114,496	6.8%	15.00%	-8 2%	$ (187,473,661)
Real Estate	$326,437,893	4.8%	5.00%	-0.2%	$ (13,856,376)	$ 103,162,164	4.5%	5.00%	-0 5%	$ (11,700,555)
Abs Ret / Opportunistic	$259,075,151	3.8%	3.00%	0.8%	$ 54,898,589	$ 84,202,530	3.7%	3.00%	0.7%	$ 15,284,898
Miscellaneous	$1 376 005	0.0%	0.00%	0.0%	$ 1 376 005	$ 1 728 300	0.1%	0.00%	0.1%	$ 1 728 300
TOTAL PORTFOLIO	**$6,805,885,387**					**$2,297,254,382**				

Category	SPRS - PEN					PENSION TOTAL FUND				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	**$157,782,949**	**57.3%**	**53.50%**	**3.8%**	**$ 10,394,951**	**$ 7,844,412,495**	**63.9%**	**60.7%**	**3.3%**	**$ 402,026,214**
US Equity	$ 46,775,593	17.0%	15.75%	1.2%	$ 3,385,668	$ 2,227,032,799	18 2%	18.1%	0 0%	$ 1,817,716
Non-US Equity	$ 48,451,240	17.6%	15.75%	1.8%	$ 5,061,315	$ 2,446,143,523	19 9%	18.1%	1 8%	$ 220,928,441
Private Equity	$ 17,862,810	6.5%	7.00%	-0.5%	$ (1,421,601)	$ 1,128,055,986	9.2%	9.4%	-0 2%	$ (23,721,649)
High Yield/Specialty Credit	$ 44 693 306	16.2%	15.00%	1.2%	$ 3 369 568	$ 2 043 180 187	16.7%	15.0%	1.7%	$ 203 001 706
Liquidity	**$78,846,721**	**28.6%**	**23.50%**	**5.1%**	**$ 14,106,199**	**$ 2,600,907,969**	**21.2%**	**16.3%**	**4.9%**	**$ 597,044,715**
Core Fixed Income	$ 49,418,079	17.9%	20.50%	-2.6%	$ (7,057,696)	$ 1,504,502,848	12 3%	14.9%	-2.7%	$ (326,676,495)
Cash	$ 29,428,642	10.7%	3.00%	7.7%	$ 21,163,895	$ 1,096,405,121	8.9%	1.4%	7 5%	$ 923,721,210
Diversifying Strategies	**$ 38,509,018**	**14.0%**	**23.00%**	**-9.0%**	**$ (24,854,047**	**$ 1,815,786,661**	**14.8%**	**23.0%**	**-8.2%**	**$ (1,005,820,343**
Real Return	$ 16,785,410	6.1%	15.00%	-8.9%	$ (24,538,328)	$ 792,469,838	6.5%	15.0%	-8 5%	$ (1,047,708,643)
Real Estate	$ 12,505,221	4.5%	5.00%	-0.5%	$ (1,269,358)	$ 569,265,624	4.6%	5.0%	-0.4%	$ (44,127,203)
Abs Ret / Opportunistic	$ 9,218,387	3.3%	3.00%	0.3%	$ 953,639	$ 454,051,199	3.7%	3.0%	0.7%	$ 86,015,503
Miscellaneous	$ 352 896	0.1%	0.00%	0.1%	$ 352 896	$ 6 749 414	0.1%	0.0%	0.1%	$ 6 749 414
TOTAL PORTFOLIO	**$275,491,584**					**$12,267,856,540**				

KRS - INSURANCE FUND ALLOCATIONS

5/1/2020

Category	KERS - INS					KERSH - INS				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	**$ 604,036,247**	**65.8%**	**62.50%**	**3.3%**	**$ 29,961,815**	**$ 319,683,694**	**65.5%**	**62.50%**	**3.0%**	**$ 14,722,729**
US Equity	$ 202,727,152	22.1%	18.75%	3.3%	$ 30,504,822	$ 91,102,702	18.7%	18.75%	-0.1%	$ (385,587)
Non-US Equity	$ 200,790,065	21 9%	18.75%	3.1%	$ 28,567,735	$ 102,941,445	21.1%	18.75%	2.3%	$ 11,453,156
Private Equity	$ 56,015,472	6.1%	10 00%	-3.9%	$ (35,836,438)	$ 51,584,989	10 6%	10.00%	0.6%	$ 2,791,234
High Yield/Specialty Credit	$ 144,503,559	15.7%	15 00%	0.7%	$ 6,725,695	$ 74,054,558	15 2%	15.00%	0.2%	$ 863,927
Liquidity	**$ 195,028,622**	**21.2%**	**14.50%**	**6.7%**	**$ 61,843,354**	**$ 90,305,891**	**18.5%**	**14.50%**	**4.0%**	**$ 19,554,947**
Core Fixed Income	$ 131,156,874	14 3%	13 50%	0.8%	$ 7,156,796	$ 57,571,142	11 8%	13.50%	-1.7%	$ (8,300,427)
Cash	$ 63,871,749	7 0%	1 00%	6.0%	$ 54,686,558	$ 32,734,749	6.7%	1.00%	5.7%	$ 27,855,374
Diversifying Strategies	**$ 119,517,510**	**13.0%**	**23.00%**	**-10.0%**	**$ (91,741,881**	**$ 77,981,978**	**16.0%**	**23.00%**	**-7.0%**	**$ (34,243,657)**
Real Return	$ 51,529,879	5 6%	15 00%	-9.4%	$ (86,247,985)	$ 31,336,740	6.4%	15.00%	-8.6%	$ (41,853,891)
Real Estate	$ 33,829,639	3.7%	5 00%	-1.3%	$ (12,096,316)	$ 24,909,350	5.1%	5.00%	0.1%	$ 512,473
Abs Ret / Opportunistic	$ 34,157,993	3.7%	3 00%	0.7%	$ 6,602,420	$ 21,735,887	4 5%	3.00%	1.5%	$ 7,097,761
Miscellaneous	$ (63,288)	0 0%	0 00%	0.0%	$ (63,288)	$ (34,019)	0 0%	0.00%	0.0%	$ (34,019)
TOTAL PORTFOLIO	**$ 918,519,091**					**$ 487,937,544**				
										$ 14,722,729

Category	CERS - INS					CERSH - INS				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	**$1,542,006,635**	**65.6%**	**62.50%**	**3.1%**	**$ 72,337,517**	**$811,078,344**	**65.5%**	**62.50%**	**3.0%**	**$ 37,014,901**
US Equity	$ 421,662,112	17 9%	18.75%	-0.8%	$ (19,238,623)	$ 216,413,126	17 5%	18.75%	-1.3%	$ (15,805,907)
Non-US Equity	$ 487,606,975	20.7%	18.75%	2.0%	$ 46,706,239	$ 254,367,677	20 5%	18.75%	1.8%	$ 22,148,644
Private Equity	$ 270,212,900	11 5%	10 00%	1.5%	$ 35,065,841	$ 152,220,718	12 3%	10.00%	2.3%	$ 28,370,567
High Yield/Specialty Credit	$ 362 524 648	15.4%	15 00%	0.4%	$ 9 804 060	$ 188 076 822	15 2%	15.00%	0.2%	$ 2 301 596
Liquidity	**$455,648,364**	**19.4%**	**14.50%**	**4.9%**	**$ 114,685,129**	**$237,002,328**	**19.1%**	**14.50%**	**4.6%**	**$ 57,419,609**
Core Fixed Income	$ 293,283,899	12 5%	13 50%	-1.0%	$ (24,164,630)	$ 145,076,420	11.7%	13.50%	-1.8%	$ (22,121,284)
Cash	$ 162,364,465	6 9%	1 00%	5.9%	$ 138,849,759	$ 91,925,908	7.4%	1.00%	6.4%	$ 79,540,893
Diversifying Strategies	**$ 353,978,185**	**15.1%**	**23.00%**	**-7.9%**	**$ (186,860,050**	**$ 190,506,665**	**15.4%**	**23.00%**	**-7.6%**	**$ (94,348,682)**
Real Return	$ 149,840,770	6.4%	15 00%	-8.6%	$ (202,879,819)	$ 78,411,614	6 3%	15.00%	-8.7%	$ (107,363,612)
Real Estate	$ 108,103,565	4 6%	5 00%	-0.4%	$ (9,469,965)	$ 59,256,786	4 8%	5.00%	-0.2%	$ (2,668,289)
Abs Ret / Opportunistic	$ 96,033,851	4.1%	3 00%	1.1%	$ 25,489,733	$ 52,838,264	4 3%	3.00%	1.3%	$ 15,683,219
Miscellaneous	$ (162 595)	0 0%	0 00%	0.0%	$ (162 595)	$ (85 827)	0 0%	0.00%	0.0%	$ (85 827)
TOTAL PORTFOLIO	**$ 2,351,470,589**					**$ 1,238,501,509**				

Category	SPRS - INS					INSURANCE TOTAL FUND				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	**$124,164,965**	**65.5%**	**62.50%**	**3.0%**	**$ 5,729,644**	**$ 3,400,969,884**	**65.6%**	**62.5%**	**3.1%**	**$ 159,766,606**
US Equity	$ 34,871,389	18.4%	18.75%	-0.3%	$ (659,208)	$ 966,776,481	18 6%	18.75%	-0.1%	$ (5,584,502)
Non-US Equity	$ 39,475,871	20 8%	18.75%	2.1%	$ 3,945,275	$ 1,085,182,033	20 9%	18.75%	2.2%	$ 112,821,049
Private Equity	$ 23,237,235	12 3%	10 00%	2.3%	$ 4,287,584	$ 553,271,313	10.7%	10.0%	0.7%	$ 34,678,788
High Yield/Specialty Credit	$ 26 580 469	14 0%	15 00%	-1.0%	$ (1 844 008)	$ 795 740 057	15 3%	15.0%	0.3%	$ 17 851 270
Liquidity	**$36,722,465**	**19.4%**	**14.50%**	**4.9%**	**$ 9,245,470**	**$ 1,014,707,669**	**19.6%**	**14.5%**	**5.1%**	**$ 262,748,509**
Core Fixed Income	$ 23,258,882	12 3%	13 50%	-1.2%	$ (2,323,147)	$ 650,347,216	12 5%	13.5%	-1.0%	$ (49,752,692)
Cash	$ 13,463,583	7.1%	1 00%	6.1%	$ 11,568,618	$ 364,360,453	7 0%	1.0%	6.0%	$ 312,501,201
Diversifying Strategies	**$ 28,622,145**	**15.1%**	**23.00%**	**-7.9%**	**$ (14,962,053**	**$ 770,606,483**	**14.9%**	**23.0%**	**-8.1%**	**$ (422,156,323)**
Real Return	$ 11,039,719	5 8%	15 00%	-9.2%	$ (17,384,758)	$ 322,158,722	6 2%	15.0%	-8.8%	$ (455,730,065)
Real Estate	$ 9,510,961	5 0%	5 00%	0.0%	$ 36,135	$ 235,610,301	4 5%	5.0%	-0.5%	$ (23,685,961)
Abs Ret / Opportunistic	$ 8,071,465	4 3%	3 00%	1.3%	$ 2,386,570	$ 212,837,460	4.1%	3.0%	1.1%	$ 57,259,703
Miscellaneous	$ (13 061)	0 0%	0 00%	0.0%	$ (13 061)	$ (358 791)	0 0%	0.0%	0.0%	$ (358 791)
TOTAL PORTFOLIO	**$ 189,496,514**					**$ 5,185,925,246**				

Kentucky Retirement Systems

Putnam
Strategic Partnership

Andy Kiehl – Deputy Executive Director

Liquidate Nuveen and PIMCO

Performance over all periods, especially 2020

- All three versions of the Putnam strategy outperform Nuveen in all time periods since Nuveen inception (5 year).
- All three versions of the Putnam strategy outperform PIMCO over 5 and 10 year time periods.

Loss of confidence in strategies

- PIMCO clinging to strategy that may or may not ever develop as expected
- Nuveen – 5 years of returns lost in a single market event (March)
- High fee and non-customizable construct

Putnam Strategic Partnership

Benefits to KRS

- Alignment of Interest – customized account objectives
- Economies of Scale – lower fees / relationship pricing
- Customized agreements – flexible partnership
- Maintain required liquidity profile
- Leverage investment expertise / staff / resources - access

Fee savings: ~ $3,772,857 Annually

- Current FEEs for Nuveen and PIMCO (4/28/2020)
  - Nuveen $ @ .68% ~ $1,708,114
  - PIMCO $ @ .88% ~ $3,761,268

- Putnam FEE .25% ~ $1,696,525

Kentucky Retirement Systems

Putnam Dynamic Asset Allocation Strategies

Q1 | 2020

A world of investing.®

Putnam INVESTMENTS

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Agenda

- Putnam Overview
- Partnership
- Global Asset Allocation History
- Customizable Strategies
- Team and Process
- Performance
- Appendix

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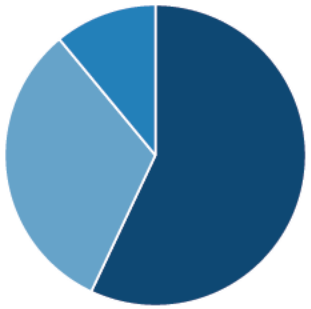
Putnam's advantage

Combining global resources, active communication, and market agility

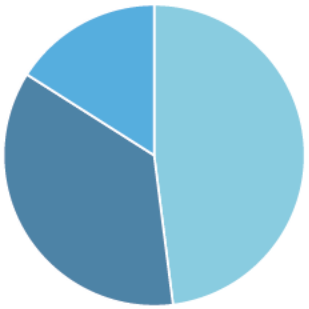
- Actively managing investments for over 80 years
- Global asset management is our only business
- Client-focused, solutions-driven culture
- Stable ownership fosters long-term client relationships

$149B assets under management



By asset class

- Fixed income: 57%
- Equity: 32%
- Multi-asset allocation: 11%



By client type

- Retail: 48%
- Institutional: 36%
- Defined contribution: 16%

All data as of March 31, 2020. Total assets and client type figures include subsidiary PanAgora Asset Management. Asset class figures are Putnam only. Total assets under management is based on unaudited numbers and subject to change.

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Managing assets for institutions worldwide

- Public and government plans, corporate defined benefit, sovereign wealth funds, insurance companies, endowments and foundations, sub-advisory, and Taft-Hartley
- Wide breadth of investment solutions including custom segregated accounts, pooled vehicles, fund structures, and hedge funds

Corporate

Ampega Asset Management GmbH
AT&T, Inc.
Illinois Tool Works, Inc.
Lehigh Hanson Company
Marsh & McLennan Cos., Inc.
Mercer Investment Nominees (NZ) Limited
Power Financial Corp

Insurance/sub-advisory

Aberdeen Standard Investments
AIG
Blue Cross Blue Shield of Massachusetts
The Canada Life Assurance Company
Canada Life Investments
Great-West Capital Management, LLC
Investors Group, Inc.
Irish Life Investment Managers
Mackenzie Investments
Nippon Life Insurance Company
Nissay Asset Management Corporation
Prudential Staff Pensions Limited
Russell Investment Management Company
Tufts Associated Health Maintenance Organization, Inc.

Public funds

Arkansas Teacher Retirement System
Fairfax City Supplemental Retirement System
Halifax Regional Municipality Pension Plan
Haverhill Retirement System
Holyoke Retirement System
Kapitalforeningen Laerernes Pension Invest
Texas County & District Retirement System
Utah School and Institutional Trust Funds Office

Taft-Hartley funds

Iron Workers' Locals No. 15 and 424

As of March 31, 2020.

Names listed appear solely on the basis of client approval for use in this manner. Clients listed have been selected to represent a broad cross section of products and account types. This list should not be taken as a client endorsement of Putnam, nor as the clients' approval or disapproval of Putnam and services provided.

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Strategic partnership with Kentucky Retirement System

Putnam would consider KRS a highly valued strategic partner

- Customized Dynamic Asset Allocation strategy
- Competitive pricing
- Access to Putnam's Global Asset Allocation Team and broader resources
  - Ongoing dialogue regarding portfolio, research, macro views, capital market expectations, etc.
  - Access to Putnam Fixed Income and Equity Teams
  - Innovative strategies

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Putnam's Global Asset Allocation History

- Putnam's Global Asset Allocation (GAA) team has a long history of managing multi-asset strategies
- Base investment decisions on empirical research, validated by informed judgement
- The exploitation of diversification is at the core of the team's investment philosophy
- **Manage $13B, with $11B in Dynamic Asset Allocation process**

A long history of managing multi-asset strategies

1994 — Dynamic Asset Allocation Funds
Global diversification in each fund to maximize risk-adjusted return potential

2004 — Target-date portfolios
Designed for investors' retirement horizon, with diversified allocations that shift automatically over time

2006 — Total Return
Core strategy with a more efficient risk/return profile than a traditionally balanced global portfolio

2008 — Multi-Asset Absolute Return Fund
A strategy to diversify portfolios, free from constraints and focused on pursuing positive returns with proportional risk

2018 — Dynamic Low Volatility Index
Custom multi-asset index with multiple investment applications that focuses on delivering attractive returns while systematically controlling volatility

2019 — Multi-Asset Model Portfolios
Diversified portfolios of active funds and passive ETFs designed for client return and risk goals

All data as of March 31,2020. No assurance can be given that the investment objective will be achieved or that an investor will receive a return of all or part of his or her initial investment. Actual results could be materially different from the stated goals. Investors should carefully consider the risk involved before deciding to invest. As with any investment, there is a potential for profit as well as the possibility of loss.

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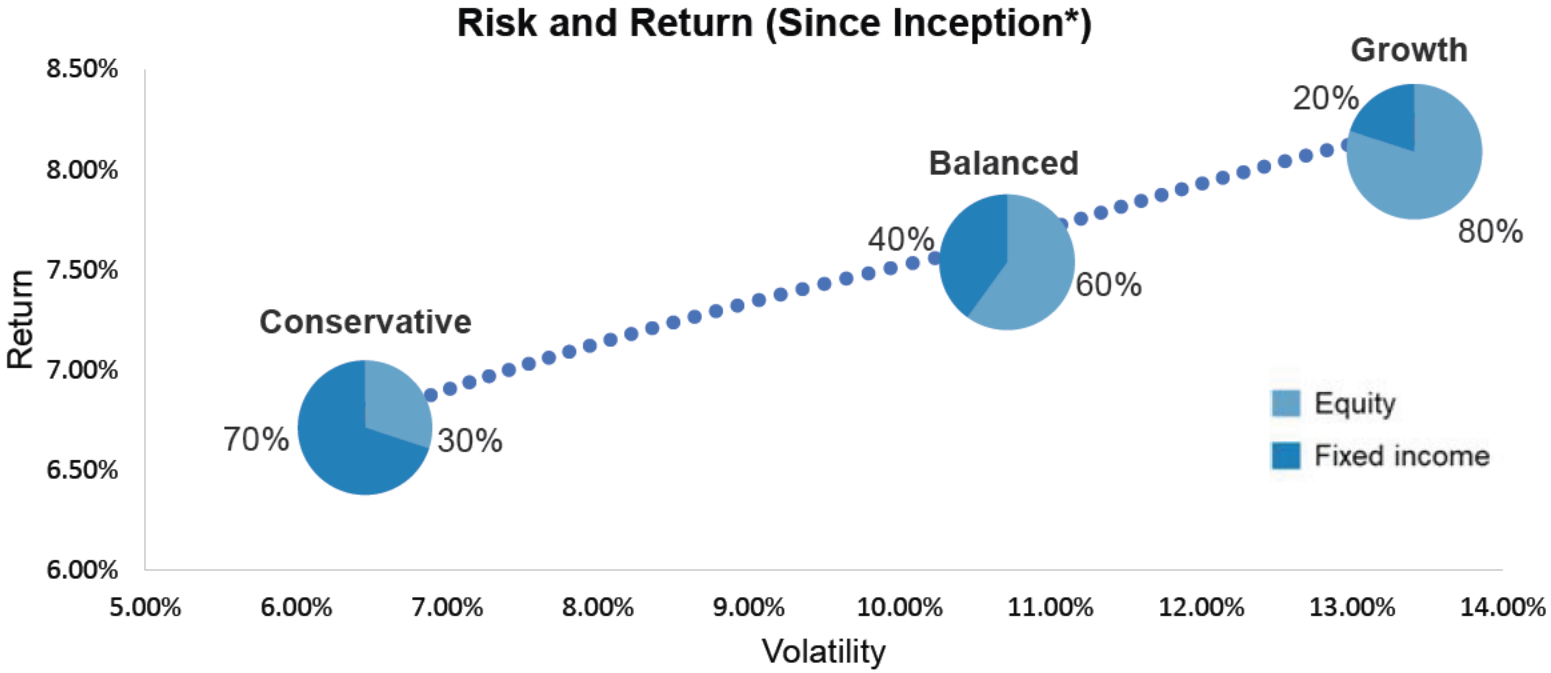
Putnam Dynamic Asset Allocation Strategies offer flexible risk and return profiles

- The Conservative, Balanced, and Growth portfolios are designed to meet a range of investment objectives
- The Conservative, Balanced, and Growth portfolios seek total return consistent with preservation of capital, total return, and capital appreciation, respectively
- We will customize to build a portfolio for KRS at any point along the risk/return spectrum



*For illustrative purposes. Conservative, Balanced, Growth points represent annualized composite gross returns and volatility since inception. Inception date for the DAA Growth, DAA Balanced and DAA Conservative composites is February 28, 1994. Blue points represent composite return and volatility for combinations of nearest 2 strategies, targeting total equity allocation ranging from 30% to 80%, in increments of 1%. Performance is shown gross of fees and does not include the deduction of management fees and other expenses that may be incurred in managing an investment account. A portfolio's return will be reduced by advisory and other fees. Past performance is not a guarantee of future performance.

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Putnam INVESTMENTS 7

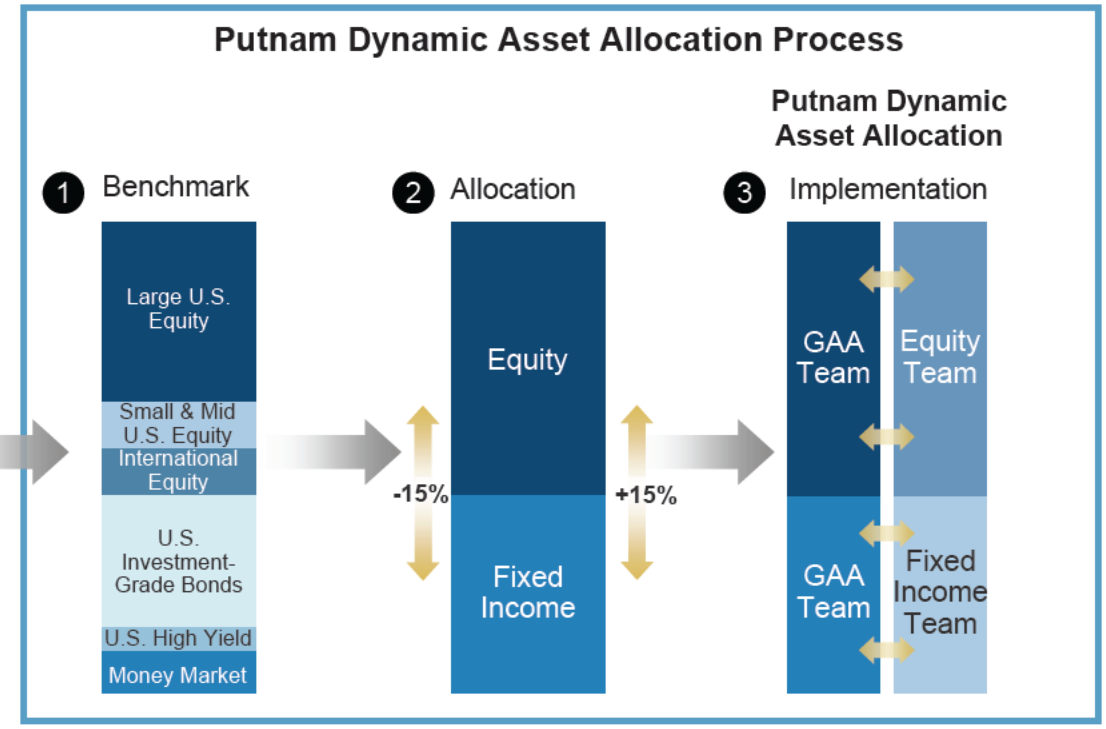
The Global Asset Allocation team manages both tactical allocation and security selection

In-house management offers advantages over a traditional fund-of-funds

- **Diversified benchmark:** Each strategy starts with a globally diversified benchmark portfolio
- **Allocation:** GAA shifts allocations, pursuing the most attractive asset class mix
- **Implementation:** GAA collaborates with Putnam's Equity and Fixed Income teams, seeking efficient implementation

Available Strategies

- U.S. large-cap equity
- U.S. small-cap equity
- International equity
- Emerging market equity
- Investment-grade fixed income
- Opportunistic fixed income
- High-yield fixed income
- Commodities
- REITs
- TIPS



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Putnam INVESTMENTS

A flat organizational structure leverages an experienced Global Asset Allocation team

The senior team members have been in place at Putnam for more than a decade, managing asset allocation strategies since 1994

Robert J. Schoen
Chief Investment Officer, Global Asset Allocation
Putnam since 1997

James A. Fetch
Co-Head of Global Asset Allocation
Putnam since 1994

Jason R. Vaillancourt, CFA
Co-Head of Global Asset Allocation
Putnam since 1999

Adrian H. Chan, CFA
Portfolio Manager
Putnam since 2003

Brett E. Risser
Portfolio Manager
Putnam since 2003

Brett S. Goldstein, CFA
Portfolio Manager
Putnam since 2010

Dawei Zhou
Research Analyst
Putnam since 2017

Portfolio Associates Sean M. McDonough | Aisha Mughal

Investment Associates Christopher N. Racz | Maria Tao | Alex G. Wasielewski

Investment Strategies Brendan T. Murray | Christian J. Galipeau | Seamus S. Young, CFA | Daniel Lahrman, CFA
Jonathan M. Schreiber, CFA | Sara J. Barrett

As of March 31, 2020.

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Specialized teams focus on market opportunities, global macro, portfolio construction, and risk management

Global Macro
Jason R. Vaillancourt, CFA

Equity
Robert J. Schoen
Adrian H. Chan, CFA
Brett E. Risser
Dawei Zhou

Credit
Jason R. Vaillancourt, CFA
Adrian H. Chan, CFA

Rates
James A. Fetch
Brett S. Goldstein, CFA

Inflation
Jason R. Vaillancourt, CFA
Brett S. Goldstein, CFA

Portfolio Construction and Risk Management
James A. Fetch
Robert J. Schoen
Brett S. Goldstein, CFA

1. **Global Macro team** identifies key themes in current market environment and collaborates with Asset Class teams

2. **Asset Class teams** responsible for active allocation and implementation recommendations

3. **Portfolio Construction and Risk Management teams** verify recommendations and allocate risk

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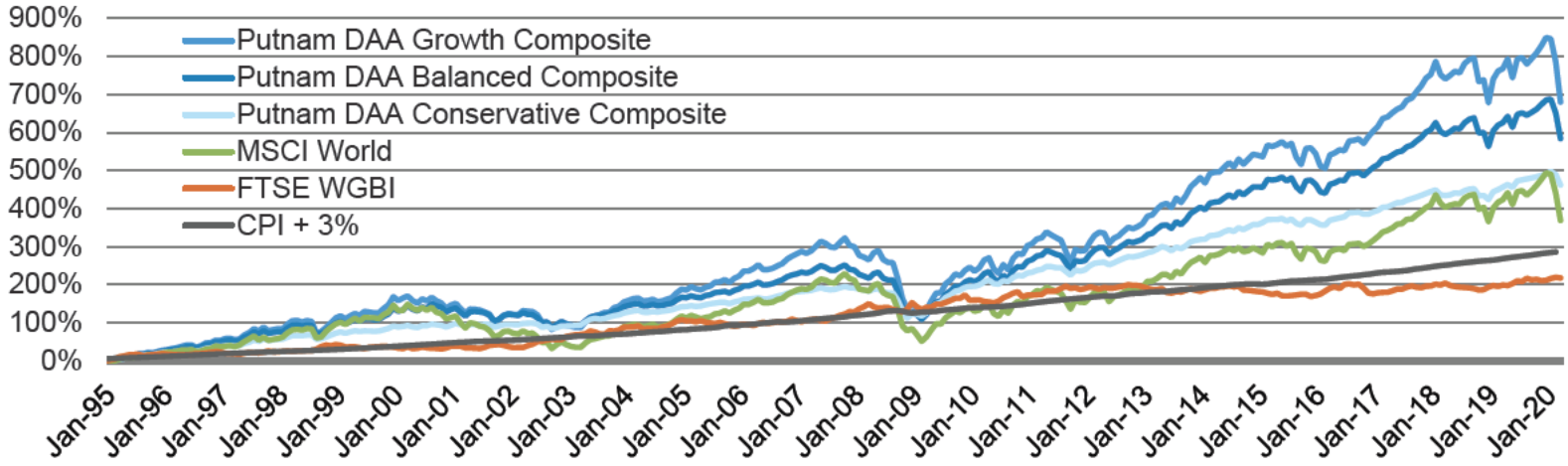
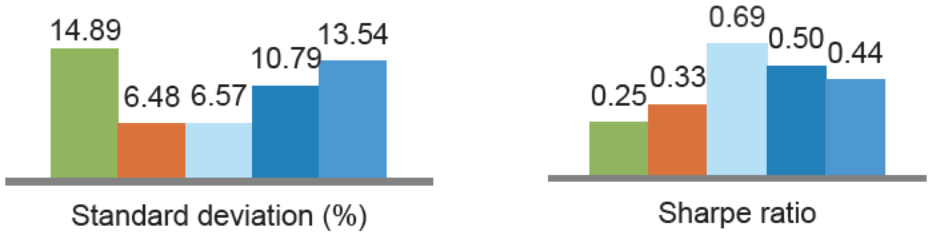
Dynamic Asset Allocation has provided attractive performance since inception compared with global stocks and bonds (gross of fees)



And has done so with less volatility than global stocks, resulting in superior risk-adjusted returns



As of March 31, 2020. Cumulative returns are calculated on a gross of fee basis starting in first full year since inception of the Dynamic Asset Allocation strategies (1995). Inception date for the DAA Growth, DAA Balanced and DAA Conservative composites is February 28, 1994. Performance is stated in U.S. dollars and includes the reinvestment of dividends. Performance is shown gross of fees and does not include the deduction of management fees and other expenses that may be incurred in managing an investment account. A portfolio's return will be reduced by advisory and other fees. Upon your request, Putnam will provide you with net performance reflecting any fees and expenses agreed upon between you and Putnam prior to Putnam assuming management of your account. Please see the end of the document for full GIPS composite performance presentation. Past performance is not a guarantee of future performance. The MSCI World Index and FTSE World Government Bond Index are not the composites' benchmarks and are provided for informational purposes only. Risk statistics are calculated using composite month end return values since inception.

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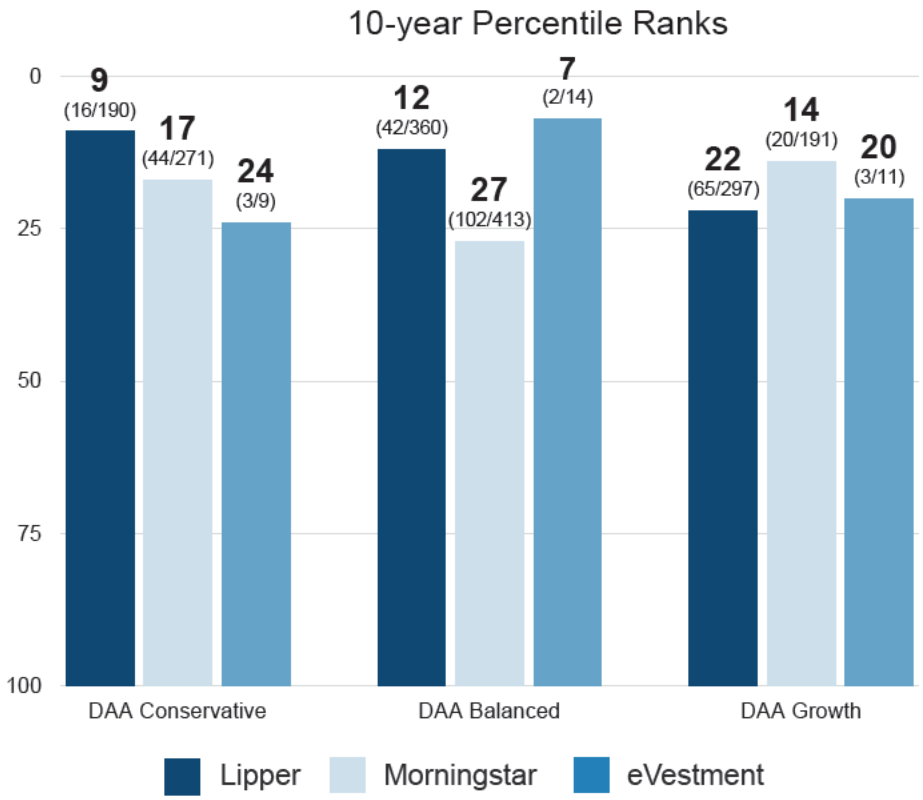
Putnam INVESTMENTS 11

Performance rankings and portfolio characteristics



Portfolio characteristics

	S&P 500	Barclays Agg	CPI + 3%
Conservative			
Beta	0.38	0.46	0.95
Correlation	0.85	0.25	0.13
Balanced			
Beta	0.69	0.16	1.33
Correlation	0.95	0.05	0.11
Growth			
Beta	0.86	0.01	1.44
Correlation	0.94	0.00	0.10

Source: Putnam. Competitor analysis and performance rankings are provided per specific request. Performance rankings and portfolio characteristics are based on the mutual fund vehicle for each strategy, which may differ from composite data. Lipper, Morningstar, and eVestment rankings are based on Class Y total return without sales charge relative to all share classes of funds with similar objectives as determined by Lipper, Morningstar, and eVestment. Lipper, Morningstar, and eVestment are third-party database that provides detailed information on investment managers and their products. Based on manager input, the databases independently construct universes. Putnam does not independently verify the data provided by advisers, which forms the basis for rankings. Putnam pays a fee for access to peer rankings. Past performance is not a guarantee of future performance. The S&P 500 Index, Bloomberg Barclays Aggregate Bond Index, and CPI + 3% are not the mutual fund or composite benchmarks and are provided for informational purposes only.

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Why Putnam Dynamic Asset Allocation

- Long tenured team, managing Dynamic Asset Allocation since 1994
- Well resourced team manages $13B, with $11B in Asset Allocation
- Offering customized, liquid solution to address strategic needs of KRS
- Partnership to provide resources, insights, and innovation
- Competitive fees

As of March 31, 2020.

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Appendix

Individual strategies utilize both quantitative and fundamental analysis

Strategy	Investment focus
U.S. large-cap equity	Quantitatively-driven equity selection process that screens the Russell 1000 based on numerous criteria including earnings surprise, estimate revision, liquidity, and valuation
U.S. small-cap equity	Passive exposure to the Russell 2000 index, capitalizing on a market hedging imbalance
International equity	Quantitatively-driven equity selection process that screens the MSCI EAFE based on numerous criteria including momentum, estimate revision, liquidity, and valuation
Emerging market equity	Utilizes fundamental research to uncover stocks trading at attractive valuation while mindful of macroeconomic, top-down influences
Investment-grade fixed income	Benchmarked to the Bloomberg Barclays U.S. Aggregate Bond index, the strategy invests across all sectors of the investment-grade U.S. bond market
Opportunistic fixed income	Pursues efficient alpha in an unconstrained bond portfolio through opportunities in credit, prepayment, liquidity, and term structure risk
High-yield fixed income	Actively managed portfolio that combines a top-down market outlook with individual issuer selection driven by bottom-up fundamental credit analysis
Commodities	A mixture of quantitative and macroeconomic analysis to choose among diversified commodity indices

For illustrative purposes. No assurance can be given that the investment objective will be achieved or that an investor will receive a return of all or part of his or her initial investment. Actual results could be materially different from the stated goals. Investors should carefully consider the risk involved before deciding to invest. As with any investment, there is a potential for profit as well as the poss bility of loss.

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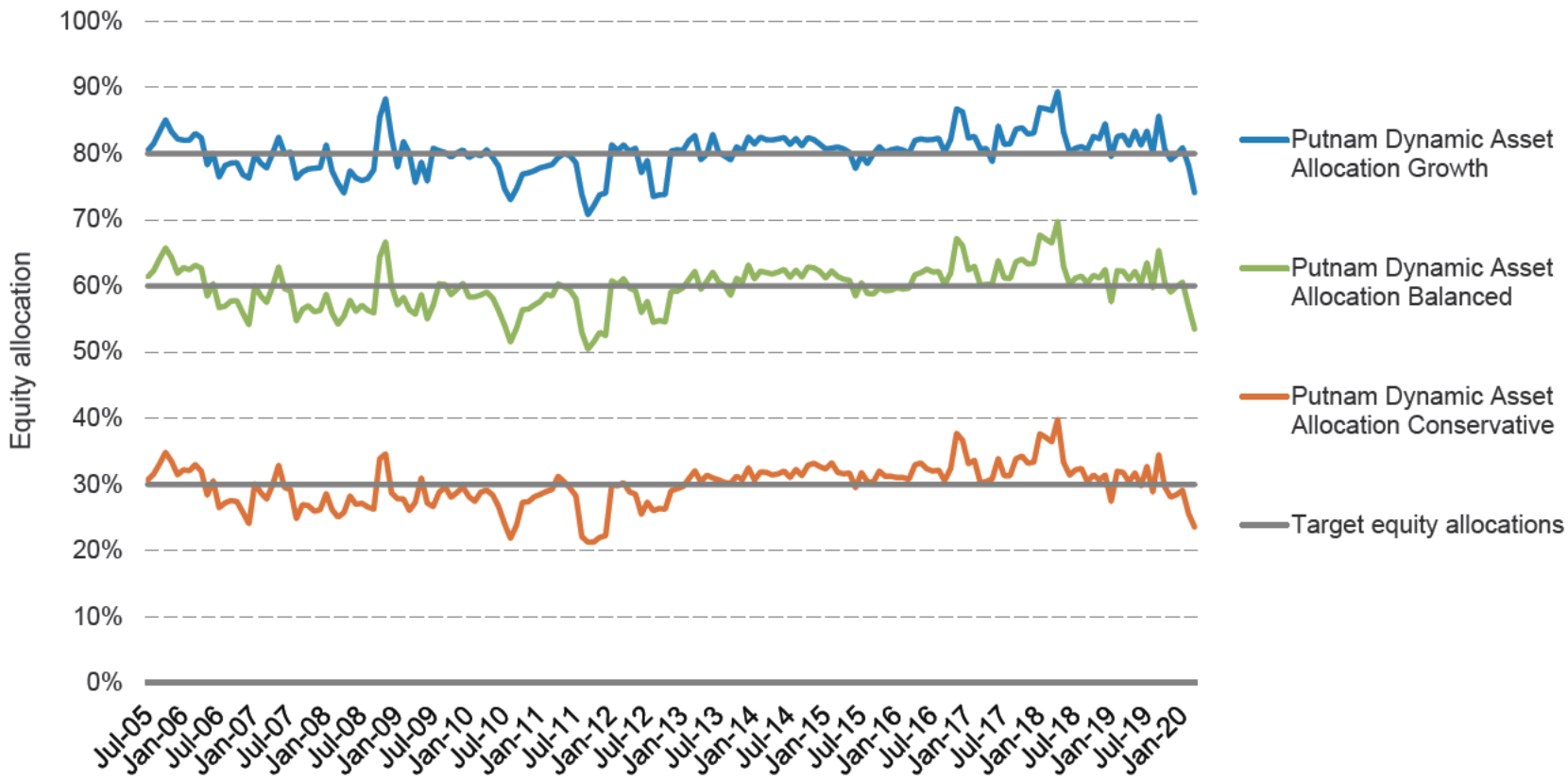
Dynamic Asset Allocation Strategies have tactically shifted allocations around their strategic equity targets



Source: Putnam Investments. As of March 31, 2020. Portfolio characteristics are for a representative account and are shown for illustrative purposes only. Each account is managed individually. Accordingly, holdings may vary.

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Current allocations in detail

Asset allocations (as of March 31, 2020)	Conservative	Balanced	Growth
U.S. large-cap stocks	16.37%	36.94%	44.24%
U.S. small- and mid-cap stocks	3.31	8.01	11.38
International equity	3.90	8.55	13.01
Emerging markets equity	--	--	5.48
U.S. investment-grade bonds	68.84	39.18	17.29
U.S. high-yield bonds	5.04	5.05	4.96
U.S. money markets	2.55	2.27	3.65

Because of rounding in the calculation, actual allocations might be more or less than these percentages.

Portfolio characteristics are for a representative account and are shown for illustrative purposes only. Each account is managed individually. Accordingly, account characteristics may vary.
Source: Putnam Investments.

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Putnam Investments Dynamic Asset Allocation Conservative Composite

Year	Gross of Fees Return (%)	Net of Fees Return (%)	Annual Benchmark Returns Barclays U.S. Agg Index (%)	Annual Benchmark Returns Blended Benchmark (%)	Three year Standard Deviation of Composite (%)[1]	Three year Standard Deviation of Barclays U.S. Agg Index (%)[1]	Three year Standard Deviation of Blended Benchmark (%)[1]	Standard Deviation of Account Returns (%)[2]	Composite Assets (millions)	Total Firm Assets (millions)[3]	Number of Accounts
2019	12.94	12.36	8.72	15.14	4.39	2.87	3.87	N/A	1,133	138,486	≤5
2018	-3.82	-4.32	0.01	-1.92	4.10	2.84	3.61	N/A	1,016	117,149	≤5
2017	10.82	10.25	3.54	8.97	3.94	2.78	3.43	N/A	1,145	117,916	≤5
2016	5.69	5.14	2.65	5.92	4.35	2.98	3.84	N/A	1,031	109,728	≤5
2015	1.40	0.88	0.55	0.41	4.62	2.88	3.95	N/A	789	110,621	≤5
2014	9.34	8.54	5.97	6.88	4.18	2.63	3.56	N/A	649	120,093	≤5
2013	10.59	9.76	-2.02	7.77	5.39	2.71	4.17	N/A	563	110,816	≤5
2012	11.72	10.88	4.22	8.53	5.87	2.38	4.61	N/A	571	98,926	≤5
2011	2.57	1.80	7.84	5.30	7.47	2.78	6.46	N/A	526	95,033	≤5
2010	11.93	11.08	6.54	10.04	12.19	4.16	8.57	N/A	1,099	102,320	≤5

1 The three-year, annualized ex-post standard deviation of monthly composite and benchmark returns represents a measure of total investment risk (volatility) and calculates the variance of a distribution of returns. Data is not presented for periods with less than 36 months of composite returns.

2 The standard deviation of comparable performance over time is a measure of volatility. Composite dispersion is measured by the standard deviation across equal weighted portfolios represented within the composite for the full year. Standard deviation is N/A for composites with five or fewer accounts for the full year.

3 Total Firm Assets prior to 2011 do not include Guaranteed Investment Contract ("GIC") assets.

Firm overview: Putnam Investments claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Putnam Investments has been independently verified from January 1, 2000, through December 31, 2018. The verification report(s) is/are available upon request. Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS standards on a firm-wide basis and (2) the firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. Verification does not ensure the accuracy of any specific composite presentation. Putnam Investments (the "Firm") is defined as a broad-based investment management organization that provides financial services to institutions and individuals through separately managed accounts, pooled funds, and mutual funds. Except for a minority stake owned by employees, the Firm is a wholly owned subsidiary of Great-West Lifeco Inc. Investment management is provided by four wholly owned subsidiaries of the Firm: The Putnam Advisory Company, LLC; Putnam Investment Management, LLC; Putnam Fiduciary Trust Company; and Putnam Investments Limited. A list of he Firm's composite descriptions is available upon request.

Composition of composite: The Putnam Investments Dynamic Asset Allocation Conservative Composite (the "Composite") seeks total return consistent with the preservation of capital through a globally diversified portfolio. The strategy uses proactive research and pursues the most efficient implementation method for each asset class within the strategic conservative target allocations. Using qualitative analysis and quantitative techniques, the investment process pursues consistent diversification with alpha potential from active allocation and implementation decisions. Accounts in the Composite invest mainly in equity securities (growth or value stocks or both) of both U.S. and foreign companies of any size as well as fixed-income investments, including U.S. and foreign government obliga ions, corporate obligations and securitized debt instruments (such as mortgage-backed investments). The Composite's primary benchmark is the Bloomberg Barclays U.S. Aggregate Bond Index. A secondary conservative blended benchmark comprises the following: 65% Bloomberg Barclays U.S. Aggregate Bond Index, 25% Russell 3000 Index, 5% JPMorgan Developed High Yield Index, and 5% MSCI EAFE Index. The blended benchmark is rebalanced on a monthly basis. The Composite may use derivatives, including such as futures, options, certain foreign currency transactions, and swaps, for both hedging and non-hedging purposes. The Composite comprises all fully discretionary accounts managed by Putnam in this investment style. The Composite inception date was February 28, 1994. The Composite creation date was May 26, 2004.

Risk considerations: International investing involves currency, economic, and political risks. Emerging-market securities have illiquidity and volatility risks. Investments in small

Putnam Investments Dynamic Asset Allocation Conservative Composite

and/or midsize companies increase the risk of greater price fluctuations. Lower-rated bonds may offer higher yields in return for more risk. Portfolios that invest in government securities are not guaranteed. Mortgage-backed securities are subject to prepayment risk and the risk hat they may increase in value less when interest rates decline and decline in value more when interest rates rise. Our allocation of assets among permitted asset categories may hurt performance. Growth stocks may be more susceptible to earnings disappointments, and value stocks may fail to rebound. Bond investments are subject to interest-rate risk (the risk of bond prices falling if interest rates rise) and credit risk (the risk of an issuer defaulting on interest or principal payments). Interest-rate risk is greater for longer-term bonds, and credit risk is greater for below-investment-grade bonds. Risks associated with derivatives include increased investment exposure (which may be considered leverage) and, in the case of over-the-counter instruments, the potential inability to terminate or sell derivatives positions and the potential failure of the other party to the instrument to meet its obliga ions. Stock and bond prices may fall or fail to rise over time for several reasons, including general financial market conditions and factors related to a specific issuer or industry.

Calculation of composite: Returns are presented in U.S. dollars ("USD"). Benchmark, Putnam account and Putnam mutual fund valuation sources and timing may sometimes differ, causing dispersion within the composite and between the composite and the benchmark. The results of the Composite for all periods shown include the reinvestment of dividends and other earnings. The Firm values securities using market quotations, fair value prices from pricing services and/or broker quotations. In limited circumstances, the Firm will value securities based solely on its own analysis, this may include using model prices based on third-party data or, for private equity securities, a fair valuation process whereby a special Valuation committee will review the nature of each deal, the model currently used to value each deal, and any critical underlying assumptions in order to determine fair value. Fair valuations based on internal resources are made in accordance with the Putnam Funds Pricing Procedures and are subject to the oversight of the Firm's Valuation Committee. Please note that, in limited cases, the inputs used to value the security are unobservable and reflect the source's own assumptions. Policies for valuing portfolios, calculating performance, and preparing compliant presentations are available upon request.

Benchmark disclosure: The Bloomberg Barclays U.S. Aggregate Bond Index is an unmanaged index of U.S. investment-grade fixed-income securities. The Russell 3000 Index is an unmanaged index of the 3,000 largest U.S. companies. The JPMorgan Developed High Yield Index is an unmanaged index of high-yield fixed-income securities issued in developed countries. The MSCI EAFE Index (ND) is a free float-adjusted market capitalization-weighted index that is designed to measure the equity market performance of developed markets, excluding the U.S. and Canada. Benchmarks are generally taken from published sources and may have different calculation methodologies, pricing times, and foreign exchange sources from the Composite. The effect of those differences is deemed to be immaterial. The securities holdings of the Composite may differ materially from those of the index used for comparative purposes. Indexes are unmanaged and do not incur expenses. You cannot invest directly in an index. Frank Russell Company is the source and owner of the trademarks, service marks and copyrights related to the Russell Indexes. Russell® is a trademark of Frank Russell Company.

Gross and Net of fees disclosure: Gross of Fee Returns are net of transactions costs but do not include the deduction of management fees and other expenses that may be incurred in managing an investment account. A portfolio's return will be reduced by management and other fees. The impact of management fees can be material. For instance, assume that $1 million is invested in a Putnam Investments account, and this account achieves a 10% compounded annual return, gross of fees, for 10 years. If a management fee of 0.50% was charged each year for the 10-year period, the annual return would be 9.5% and the ending dollar value would be $2,478,200, net of fees, as opposed to $2,593,700, gross of fees. The actual fee rates are stated in advisory contracts with clients. For composites that contain U.S. mutual funds and UCITS funds, gross of fee performance is calculated by applying the pro-rated monthly percentage of the total net annual expense ratio (as published in the fund's annual report) to the monthly return on net asset value per share. Annual expense ratios for the current year may be based on the prior year's financial statements. Returns may be adjusted based upon each year's audited annual report.

Net of fee returns are calculated using a model fee ("Model Net Fee"). For the applicable time periods, net of fees returns reflect either the deduction of the highest management fee that is paid by a portfolio in the Composite during the performance period, applied on a monthly basis or the deduction of the highest applicable management fee in effect during the performance period that would be charged based on the fee schedule appropriate to this mandate, without the benefit of breakpoints, applied on a monthly basis, whichever is higher. Net of fee calculation methodology may change over time. For composites that include commingled funds that pay a performance fee and that calculate performance using the highest fee paid by an account in the composite, performance based fee adjustments are included in net of fee returns. For commingled funds, the fee is typically updated for the most recent fiscal year end after the portfolio has been audited. Returns may be adjusted based upon each year's audited annual report. Please be advised that the Composite may include other investment products or share classes of funds that are subject to management fees, including performance fees, that are inapplicable to you but that could have been in excess of the Model Net Fee. Therefore, the actual performance of all the portfolios in the composite on a net-of-fees basis will be different, and may be higher or lower, than the Model Net Fee performance. Composites that include certain commingled portfolios may also assess a performance fee to underlying investors which could result in the underlying investors paying a higher total management fee than the highest stated management fee below. However, Model Net Fee performance is intended to provide the most appropriate example of the impact management fees would have by applying management fees relevant to you to the gross performance of the Composite. Actual investment advisory fees incurred by clients are typically negotiated on an individual basis and may vary depending upon, among other things, the applicable fee schedule and portfolio size.

Fee schedule: The standard fee schedule is based on the market value of an account's assets under management and is stated on an annual basis. Separate account management fees are subject to change and are for investment management services only. Standard management fee is: 0.40% of assets on the first $50 million, 0.35% of assets on the next $50 million, 0.30% of assets on the next $150 million, 0.25% of assets on the next $250 million, and 0.20% for assets over $500 million.

Past performance is not a guarantee of future performance. No assurance can be given as to future performance.

Putnam Investments Dynamic Asset Allocation Balanced Composite

Year	Gross of Fees Return (%)	Net of Fees Return (%)	Annual Benchmark Returns R3000 Index (%)	Annual Returns Blended Benchmark (%)	Three year Standard Deviation of Composite (%)[1]	Three year Standard Deviation of R3000 Index (%)[1]	Three year Standard Deviation of Blended Benchmark (%)[1]	Standard Deviation of Account Returns (%)[2]	Composite Assets (millions)	Total Firm Assets (millions)[3]	Number of Accounts
2019	18.46	17.84	31.02	21.37	7.87	12.21	7.11	N/A	2,805	138,486	≤5
2018	-6.31	-6.80	-5.24	-3.90	7.22	11.18	6.56	N/A	2,462	117,149	≤5
2017	16.35	15.74	21.13	14.41	6.63	10.09	6.15	N/A	2,734	117,916	≤5
2016	7.77	7.20	12.74	8.38	7.19	10.88	6.70	N/A	2,369	109,728	≤5
2015	1.31	0.78	0.48	0.35	7.18	10.58	6.67	N/A	2,053	110,621	≤5
2014	10.53	9.72	12.56	7.94	6.57	9.29	6.00	N/A	1,632	120,093	≤5
2013	20.21	19.31	33.55	17.80	9.05	12.53	7.85	N/A	1,413	110,816	≤5
2012	15.36	14.49	16.42	12.27	10.92	15.73	9.56	N/A	1,291	98,926	≤5
2011	0.45	-0.30	1.03	2.58	13.20	19.35	12.13	N/A	1,238	95,033	≤5
2010	15.62	14.75	16.93	12.77	17.67	22.62	14.80	N/A	1,418	102,320	≤5

1 The three-year, annualized ex-post standard deviation of monthly composite and benchmark returns represents a measure of total investment risk (volatility) and calculates the variance of a distribution of returns. Data is not presented for periods with less than 36 months of composite returns.

2 The standard deviation of comparable performance over time is a measure of volatility. Composite dispersion is measured by the standard deviation across equal weighted portfolios represented within the composite for the full year. Standard deviation is N/A for composites with five or fewer accounts for the full year.

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Composition of composite: The Putnam Investments Dynamic Asset Allocation Balanced Composite (the "Composite") pursues a balance of growth and income and seeks total return through a globally diversified portfolio. The strategy uses proactive research and pursues the most efficient implementation method for each asset class within the strategic balanced target allocations. Using qualitative analysis and quantita ive techniques, the investment process pursues consistent diversification with alpha potential from active allocation and implementation decisions. Accounts in the Composite invest mainly in equity securities (growth or value stocks or both) of both U.S. and foreign companies of any size as well as fixed-income investments, including U.S. and foreign government obligations, corporate obligations and securitized debt instruments (such as mortgage-backed investments). The Composite’s primary benchmark is the Russell 3000 Index. A secondary balanced blended benchmark comprises the following: 50% Russell 3000 Index, 35% Bloomberg Barclays U.S. Aggregate Bond Index, 10% MSCI EAFE Index, and 5% JPMorgan Developed High Yield Index. The blended benchmark is rebalanced on a monthly basis. The Composite may use derivatives, including such as futures, options, certain foreign currency transactions, and swaps, for both hedging and non-hedging purposes. The Composite comprises all fully discretionary accounts managed by Putnam in this investment style. The Composite inception date was February 28, 1994. The Composite creation date was September 29, 2004.

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Putnam Investments Dynamic Asset Allocation Balanced Composite

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Putnam Investments Dynamic Asset Allocation Growth Composite

Year	Gross of Fees Return (%)	Net of Fees Return (%)	Annual Benchmark Returns R3000 Index (%)	Annual Returns Blended Benchmark (%)	Three year Standard Deviation of Composite (%)[1]	Three year Standard Deviation of R3000 Index (%)[1]	Three year Standard Deviation of Blended Benchmark (%)[1]	Standard Deviation of Account Returns (%)[2]	Composite Assets (millions)	Total Firm Assets (millions)[3]	Number of Accounts
2019	22.10	21.38	31.02	24.83	10.31	12.21	9.39	N/A	2,920	138,486	≤5
2018	-8.75	-9.29	-5.24	-5.91	9.43	11.18	8.69	N/A	2,572	117,149	≤5
2017	21.17	20.46	21.13	19.02	8.73	10.09	8.24	N/A	2,937	117,916	≤5
2016	9.00	8.36	12.74	9.75	9.39	10.88	8.90	N/A	2,455	109,728	≤5
2015	0.80	0.21	0.48	-0.58	9.17	10.58	8.68	N/A	2,215	110,621	≤5
2014	10.15	9.33	12.56	7.61	8.54	9.29	8.00	N/A	1,969	120,093	≤5
2013	26.17	25.22	33.55	22.85	12.15	12.53	10.71	N/A	1,802	110,816	≤5
2012	18.18	17.29	16.42	14.91	14.88	15.73	13.19	N/A	1,569	98,926	≤5
2011	-3.14	-3.87	1.03	-0.58	17.87	19.35	16.25	N/A	1,514	95,033	≤5
2010	16.30	15.43	16.93	14.35	21.82	22.62	19.56	N/A	1,789	102,320	≤5

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Putnam Investments Dynamic Asset Allocation Growth Composite

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Fee schedule: The standard fee schedule is based on the market value of an account's assets under management and is stated on an annual basis. Separate account management fees are subject to change and are for investment management services only. Standard management fee is: 0.45% of assets on the first $50 million, 0.40% of assets on the next $50 million, 0.35% of assets on the next $150 million, 0.30% of assets on the next $250 million, and 0.25% for assets over $500 million.

Past performance is not a guarantee of future performance. No assurance can be given as to future performance.

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March 2020	KRS MONTHLY PERFORMANCE UPDATE

What's going on in the marketplace?

The month of March was ugly. Global equity markets sold off dramatically in response to what amounted to a worldwide economic closing in efforts to contain the Coronavirus pandemic. Investors ran to perceived quality as economic growth and earnings became impossible to forecast with clarity. To add fuel to the fire, Saudi Arabia and Russia engaged in an oil supply dispute driving prices to record lows further pressuring economic markets. Bond indices in general held up much better than their equity counterparts, suffering modest declines. U.S. markets in general held up better than foreign markets as the Fed cut rates to nearly 0% and the government passed a $2 trillion rescue package.

The KRS investment portfolio returned -8.7% versus the benchmark of -9.2%.

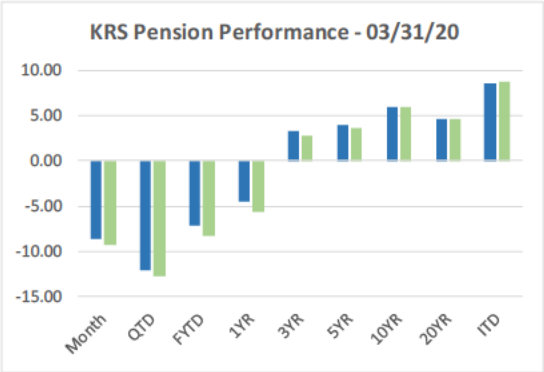
The portfolio benefitted from its relative outperformance in the Specialty Credit segment of the portfolio in combination with its significant underweight position to the Real Return space, which struggled during the period (-14.0%). However, the portfolio's relative outperformance was partially offset by weaker performance in the Core Fixed Income space manifesting itself in the short-term corporate credit arena. In addition, stock selection weakness within the Public Equity portfolio weighed on relative performance.

The fiscal year return to date now stands at -7.1% versus a benchmark return of -8.2%

The portfolio benefitted from relative outperformance in the Specialty Credit, Real Estate, and Non-U.S. Equity portfolios combined with the overweight to the Core Fixed Income and Cash allocations. The portfolio's outperformance was hampered due to weakness in both the Short-term Corporate Credit and U.S. Equity allocations.

U.S. Equities

U.S. markets fell nearly -13.8% during the month per the Russell 3000. All market cap segments lost ground. That said, large caps provided the most shelter from what seemed like a free-fall as a big divide between their performance and mid- and small caps emerged (LC: -12.4% vs MC: -20.3% vs SC: -21.7%). As uncertainty surged in the market, value tumbled falling -17.6% as growth provided somewhat of a hedge, dropping -10.4%.



During the month, the KRS U.S. Equity portfolio trailed the Russell 3000 Index by 54bps. Attribution reports show that allocation and security selection positioning had about the same effect on relative performance. The overall portfolio position of being slightly smaller than the index in terms of market cap, and a slight value tilt hurt relative portfolio performance. Relative performance amongst the individual mandates was mixed, and to some degree was as much about allocation as stock selection, particularly in the all cap mandates.

During the first six months of the fiscal year, the KRS U.S. Equity portfolio returned -14.0%, falling -1.3% more than the Russell 3000. Stock selection has been positive among individual mandates with the exception of the factor-based portfolio (has suffered from its value tilt and smaller market capitalization than the SP500). Allocation decisions have hampered relative performance as a small cap bent and value tilt have been significant headwinds for the portfolio.

Non-U.S. Equities

Non-U.S. equity markets declined -15.1% for the month per the MSCI ACWI-Ex US Index. Developed markets (MSCI World Ex-US: -14.0%) held up better than their emerging counterparts (MSCI EM: -15.4%). Just as in the U.S., growth outpaced value, especially in the emerging markets where the spread between the two styles surpassed 400bps.

The KRS Non-U.S. Equity portfolio fell -15.6% during the month, trailing the benchmark by 50bps. KRS' external MSCI ACWI Ex-US and MSCI EM individual mandates struggled during the period with five of the six relationships losing ground versus their respective indices. At a high level, relative performance attribution can be explained in equal parts stock selection and allocation decisions. Relative impacts from stock selection was split amongst individual mandates, while allocation in terms of size and style weighed on the portfolio.

For the fiscal year to date, the KRS Non-U.S. Equity portfolio has returned -17.7%, providing 88bps of downside protection. Strong results from two of the four active MSCI ACWI Ex-U.S. mandates have driven this relative outperformance.

Fixed Income

The flight to safety that took place during the month created a dichotomy in terms of performance between those segments of the market that are considered more risk-on and those more traditionally thought safer. The leveraged loan and corporate high yield markets fell -12.4% and -11.5%, respectively. The intermediate credit market lost -4.7%. The U.S. aggregate market held up the best falling just 59bps.

The KRS Specialty Credit allocation fell -5.7%, outpacing its benchmark that lost -11.9% during the month. Individual strategy relative performance was pretty evening split; however, those that outperformed their respective indices, did so to a greater degree than those that underperformed their respective indices. The KRS Core Fixed Income portfolio lost ground to the Bloomberg Barclays Aggregate (-4.0% vs -0.6%). Relative performance was negatively impacted by the portfolio's short-term credit investment, which fell -7.1%.

The KRS Specialty Credit allocation has returned -2.6% during the first nine months of the fiscal year, as the recent performance of the leveraged loan and corporate high yield markets weighed heavily on the allocation. The liquidity portion of the credit bucket is flat for the fiscal year, as the investments in the aggregate space (-5.7%) and short-term corporates (-4.3%) have offset one another.

Alternative Assets

The diversifying strategy group fell -8.3% during the month, with three of the four major portfolio segments losing ground during the period. The Real Estate portfolio was the only segment to provide a positive return and earned 1.7% during the month. The Absolute Return portfolio fared fairly well, falling just -2.3%. The Opportunistic and Real Return portfolios were hit hardest, falling -14.6% and -14.0%, respectively. The Private Equity portion of the portfolio returned 1.7% on the month.

After nine months, the Real Estate and Private Equity allocations added 10.0% and 6.7%, respectively. While the Real Return, Opportunistic, and Absolute Return portfolios have all lost ground, returning -15.4%, -8.7%, and -1.9%, respectively.

Cash

The Cash portfolio slightly trailed the 3-month T-Bill, returning 8bps versus 13bps. This brought the fiscal year return to 1.8%.

NOTES:

1) Returns displayed are "net". For the purposes of this report, total fund return information is net of fees and expenses, with audited data beginning in July 2011. At the manager level returns are net of fees beginning with July 2011, and gross of fees for prior data.
2) Individual plan allocation and performance (pg.4).
3) Prior to January 1, 2014, the inception date for the Private Equity asset class was stated as 10/1/1990 for Pension Fund and 6/1/2001 for Insurance Fund. Prior to 07/01/02, the characteristics of the allocation, and the benchmark itself, were more closely aligned with Real Estate. As such, it is not appropriate to report this portion of the return stream within the Private Equity allocation, whose true inception date has been determined to be 07/01/02 based on funding the Systems' first private equity mandate. The portion of the original return streams that are no longer reported within the Private Equity allocation (Pension from 10/1/90 to 06/30/02; Insurance 06/01/01 to 06/30/02) are reported within the Fund Level performance figures.
4) Private Equity Composite (Pension) Private Equity Composite (Insurance)

Inception (07/01/02) to 06/30/11
60.00% S&P 1500 Composite Index
40.00% Barclays US Corporate High Yield Index
07/01/11 to 12/31/15
100.00% Russell 3000 Index + 4% (Qtr Lag)
01/01/16 to Present
100.00% Russell 3000 Index + 3% (Qtr Lag)

Inception (07/01/02) to 06/30/11
80.00% S&P 1500 Composite Index
20.00% Barclays US Corporate High Yield Index
07/01/11 to 12/31/15
100.00% Russell 3000 Index + 4% (Qtr Lag)
01/01/16 to Present
100.00% Russell 3000 Index + 3% (Qtr Lag)

5) The Private Equity & Real Return Benchmarks, from one month returns up until five year returns, is equal to the performance of the associated KRS allocations. Given there is not appropriate benchmark to use for short term performance evaluation, this will allow greater focus on longer term returns, which is more appropriate given the long term nature of these investments.

Pension Benchmark Composite 01/01/16 to 08/31/17
US Equity: Russell 3000 (25.6%)
Non US Equity: MSCI AXCI Ex-US IMI (25.2%)
Global Fixed Income: Barclays Universal Index (6.8%)
Credit Fixed Income: Barclays US High Yield (7.2%)
Real Estate: NCREIF ODCE (5.0%)
Absolute Return: HFRI Diversified FOF (10.0%)
Real Return: Allocation Specific (8.0%)
Private Equity<5Yrs: Actual Performance
Private Equity>5Yrs: Russell 3000 Index+3% (10.0%)
Cash: Cit Grp 3-mos Treasury Bill (2.2%)

Insurance Benchmark Composite 01/01/16 to 08/31/17
US Equity: Russell 3000 (26.5%)
Non US Equity: MSCI AXCI Ex-US IMI (26.5%)
Global Fixed Income: Barclays Universal Index (6.0%)
Credit Fixed Income: Barclays US High Yield (6.0%)
Real Estate: NCREIF ODCE (5.0%)
Absolute Return: HFRI Diversified FOF (10.0%)
Real Return: Allocation Specific (8.0%)
Private Equity<5Yrs: Actual Performance
Private Equity>5Yrs: Russell 3000 Index+3% (10.0%)
Cash: Cit Grp 3-mos Treasury Bill (2.0%)

Pension Benchmark Composite 09/01/17 to 05/31/18 - Transition Period w/Sliding Targets
US Equity: Russell 3000 (23.6%)
Non US Equity: MSCI AXCI Ex-US IMI (23.2%)
Global Fixed Income: Barclays Universal Index (9.0%)
Credit Fixed Income: Barclays US High Yield (9.0%)
Real Estate: NCREIF ODCE (5.0%)
Absolute Return: HFRI Diversified FOF (10.0%)
Real Return<5yrs: Actual Performance
Real Return>5yrs: CPI+3% (8%)
Private Equity<5Yrs: Actual Performance
Private Equity>5Yrs: Russell 3000 Index+3% (10.0%)
Cash: Cit Grp 3-mos Treasury Bill (2.2%)

Insurance Benchmark Composite 09/01/17 to 05/31/18 - Transition Period w/Sliding Targets
US Equity: Russell 3000 (24.5%)
Non US Equity: MSCI AXCI Ex-US IMI (24.5%)
Global Fixed Income: Barclays Universal Index (8.0%)
Credit Fixed Income: Barclays US High Yield (8.0%)
Real Estate: NCREIF ODCE (5.0%)
Absolute Return: HFRI Diversified FOF (10.0%)
Real Return<5yrs: Actual Performance
Real Return>5yrs: CPI+3% (8%)
Private Equity<5Yrs: Actual Performance
Private Equity>5Yrs: Russell 3000 Index+3% (10.0%)
Cash: Cit Grp 3-mos Treasury Bill (2.0%)

Pension Benchmark Composite 06/01/18 to Present
US Equity: Russell 3000 (17.0%)
Non US Equity: MSCI AXCI Ex-US IMI (21.0%)
Global Fixed Income: Barclays Universal Index (13.0%)
Credit Fixed Income: Barclays US High Yield (12.4%)
Real Estate: NCREIF ODCE (5.0%)
Absolute Return: HFRI Diversified FOF (10.0%)
Real Return<5yrs: Actual Performance
Real Return>5yrs: CPI+3% (10.0%)
Private Equity<5Yrs: Actual Performance
Private Equity>5Yrs: Russell 3000 Index+3% (9.4%)
Cash: Cit Grp 3-mos Treasury Bill (2.2%)

Insurance Benchmark Composite 06/01/18 to Present
US Equity: Russell 3000 (17.9%)
Non US Equity: MSCI AXCI Ex-US IMI (21.9%)
Global Fixed Income: Barclays Universal Index (13.0%)
Credit Fixed Income: Barclays US High Yield (11.0%)
Real Estate: NCREIF ODCE (5.0%)
Absolute Return: HFRI Diversified FOF (10.0%)
Real Return<5yrs: Actual Performance
Real Return>5yrs: CPI+3% (10.0%)
Private Equity<5Yrs: Actual Performance
Private Equity>5Yrs: Russell 3000 Index+3% (9.2%)
Cash: Cit Grp 3-mos Treasury Bill (2.0%)

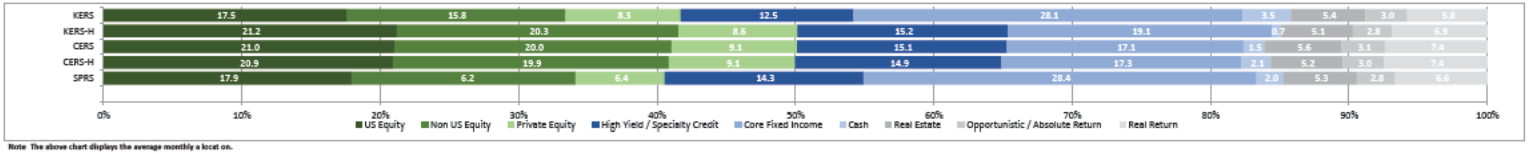
**Fund composite benchmark is a roll-up of individual plans, which may differ from one another.

KENTUCKY RETIREMENT SYSTEMS - PENSION FUND - NET RETURNS - 03/31/20

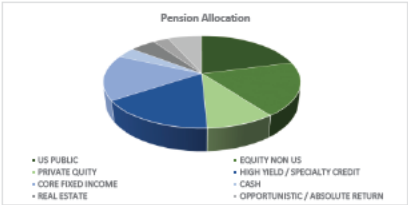
Structure	Benchmark	Inception	Market Value	% of Total	Month		QTD		Fiscal YTD		1 Year		3 Years		5 Years		10 Years		20 Years		ITD	
					KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark
TOTAL FUND	KY Ret. Blended Index	4/1/1984	11,738,913,682.29	100.00	-8.66	-9.21	-12.00	-12.73	-7.14	-8.20	-4.51	-5.61	3.27	2.71	3.96	3.63	5.99	5.99	4.67	4.63	8.62	8.70
GROWTH		7/1/2018	7,719,719,321.49	65.76	-10.42		-15.74		-9.65		-6.67										-2.51	
PUBLIC EQUITY	Global Equity Blended Index	4/1/1984	4,666,213,612.11	39.75	-14.93	-14.43	-22.84	-22.50	-15.86	-15.62	-12.72	-12.73	0.94	0.91	2.43	2.38	5.71	5.87	3.23	3.28	9.65	9.51
US PUBLIC	KY Domestic Equity Blend	4/1/1984	2,457,550,562.85	20.94	-14.29	-13.75	-21.89	-20.90	-13.96	-12.70	-10.31	-9.13	2.90	4.00	4.83	5.77	9.46	10.18	4.76	5.23	10.55	10.65
EQUITY NON US	KY Ret.Int'l Eq. Blended Index	7/1/2000	2,208,663,049.26	18.81	-15.61	- 5.11	-23.81	-24.11	-17.67	-18.55	-14.96	-16.32	-0.65	-2.25	0.55	-0.63	2.41	2.33			2.02	2.17
PRIVATE EQUITY	Russell 3000 3%(Qtr Lag)	7/1/2002	1,117,077,717.86	9.52	1.65	1.65	0.15	0.15	6.67	6.67	10.29	10.29	12.87	12.87	11.13	11.13	12.53	15.69			11.10	11.81
HIGH YIELD / SPECIALTY CREDI	High Yield Custom Benchmark	7/1/2017	1,936,427,991.52	16.50	-5.66	-11.91	-5.46	-12.86	-2.57	-9.93	-0.39	-8.05									3.60	-0.53
FIXED INCOME / LIQUIDITY		7/1/2018	2,299,651,571.43	19.59	-3.66		-1.76		0.11		2.39										3.59	
CORE FIXED INCOME	Bloomberg Barclays US Aggregate	7/1/2013	1,868,303,151.66	15.92	-4.03	-0.59	-1.98	3.15	0.01	5.68	2.63	8.93	2.91	4.82	2.39	3.36					2.93	3.67
CASH	Citigroup Treasury Bill-3 Month	1/1/1988	431,348,419.77	3.67	0.08	0.13	0.43	0.39	1.79	1.42	2.44	2.04	2.09	1.74	1.51	1.12	0.97	0.60	2.08	1.64	3.53	3.09
DIVERSIFYING STRATEGIES		7/1/2018	1,720,093,375.17	14.65	-8.29		-9.91		-6.62		-5.07										-1.05	
REAL ESTATE	NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	7/1/1984	574,129,606.03	4.89	1.69	1.27	2.91	1.27	9.99	3.15	11.81	4.39	10.82	6.13	10.26	7.99	10.91	10.39	7.91	7.17	6.33	6.41
OPPORTUNISTIC / ABSOLUTE R	HFRI Diversified		362,386,329.53	3.09	-2.32	-5.55	-2.80	-6.07	-1.93	-4.26	-2.40	-2.67	1.11	0.99	0.87	0.71					3.15	2.27
REAL RETURN	Pension Real Return Custom Benchmark	7/1/2011	783,577,439.61	6.68	-14.04	-14.04	-17.50	-17.50	-15.43	-15.43	-13.70	-13.70	-3.05	-3.05	-0.40	-0.40					1.57	0.63

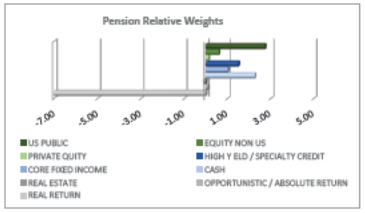
KENTUCKY RETIREMENT SYSTEMS - PENSION FUND - PLAN NET RETURNS - 03/31/20

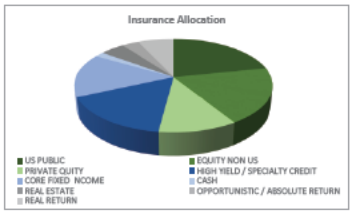
Plan	Benchmark	Inception	Market Value	% of Total	Month	3 Months		Fiscal YTD		1 Year		3 Years		5 Years		10 Years		20 Years		ITD	
KERS	KY Ret. KERS Plan Index		2,129,622,388.46	100.00	-7.76	-8.56	-10.29	-11.43	-5.79	-7.19	-3.37	-4.62	3.34	2.84	3.79	3.71	5.91	5.96	4.64	4.62	8.60	8.69
KERS- H	KY Ret. KERS Haz Plan Index		633,301,938.67	100.00	-9.02	-9.33	-12.54	-12.98	-7.69	-8.34	-5.10	-5.74	3.06	2.77	3.88	3.63	5.94	5.95	4.65	4.61	8.61	8.68
CERS	KY Ret. CERS Plan Index		6,515,091,117.28	100.00	-8.87	-9.33	-12.40	-12.98	-7.46	-8.34	-4.81	-5.74	3.20	2.76	3.96	3.62	5.98	5.95	4.67	4.61	8.62	8.68
CERS- H	KY Ret. CERS Haz Plan Index		2,196,814,128.38	100.00	-8.85	-9.33	-12.41	-12.98	-7.54	-8.34	-4.89	-5.74	3.18	2.77	3.97	3.62	5.98	5.95	4.67	4.61	8.62	8.68
SPRS	KY Ret. SPRS Plan Index		264,084,115.03	100.00	-8.22	-8.56	-10.80	-11.43	-6.25	-7.19	-3.76	-4.62	3.19	2.91	3.58	3.65	5.78	5.95	4.57	4.61	8.57	8.68

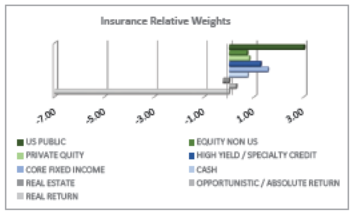


Note The above chart displays the average monthly a locat on.







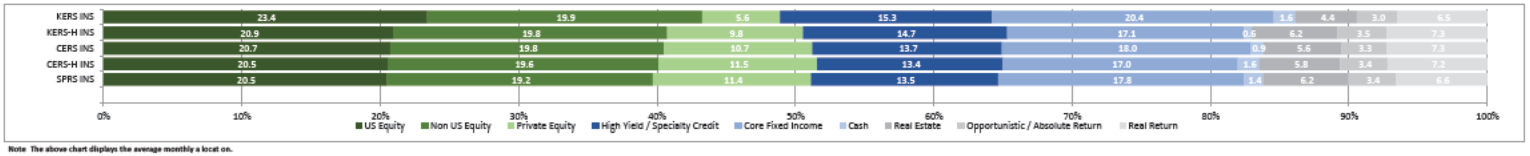


KENTUCKY RETIREMENT SYSTEMS - INSURANCE FUND - NET RETURNS - 03/31/20

Structure	Benchmark	Inception	Market Value	% of Total	Month		QTD		Fiscal YTD		1 Year		3 Years		5 Years		10 Years		20 Years		ITD	
					KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark	KRS	Benchmark
TOTAL FUND	KY Ret. Blended Index	4/1/1987	5,052,840,851.32	100.00	-8.67	-9.06	-12.25	-12.75	-7.41	-8.24	-4.80	-5.65	3.29	2.87	4.05	3.82	5.71	6.22	4.18	4.32	6.99	7.30
GROWTH	Growth Custom Benchmark	7/1/2018	3,449,297,712.70	68.26	-10.26	- 0.89	-15.79	-15.47	-9.90	-9.16	-6.93	-4.58									-2.75	-1.63
PUBLIC EQUITY	Global Equity Blended Index	7/1/1992	2,082,607,647.73	41.22	-14.91	-14.43	-22.87	-22.51	-15.90	-15.64	-12.77	-12.76	0.86	0.89	2.50	2.38	5.60	5.78	3.57	3.24	7.68	7.49
US PUBLIC	KY Domestic Equity Blend	7/1/1992	1,099,286,684.29	21.76	-14.31	-13.75	-21.97	-20.90	-14.08	-12.7	-10.43	-9.13	2.85	4.00	5.01	5.77	9.44	10.11	5.07	4.96	8.80	8.78
EQUITY NON US	KY Ret.Int'l Eq. Blended Index	4/1/2000	983,320,963.44	19.46	-15.55	- 5.11	-23.80	-24.11	-17.65	-18.55	-14.98	-16.32	-0.77	-2.25	0.46	-0.63	2.14	2.25			2.01	1.42
PRIVATE EQUITY	Russell 3000 3%(Qtr Lag)	7/1/2002	545,652,255.48	10.80	2.00	2.00	-0.67	-0.67	4.17	4.17	7.58	7.58	13.10	13.10	12.42	12.42	13.62	15.71			10.09	11.28
HIGH YIELD / SPECIALTY CREDI	Bloomberg Barclays US High Yield	7/1/2017	821,037,809.49	16.25	-5.55	-11.91	-5.29	-12.86	-2.53	-9.93	-0.36	-8.05									3.37	-0.53
FIXED INCOME / LIQUIDITY		7/1/2018	849,071,400.03	16.80	-4.00		-2.09		-0.19		1.98										3.32	
CORE FIXED INCOME	Bloomberg Barclays US Aggregate	7/1/2013	761,116,719.06	15.06	-4.27	-0.59	-2.25	3.15	-0.28	5.68	2.34	8.93	2.84	4.82	2.34	3.36					2.59	3.67
CASH	Citigroup Treasury Bill-3 Month	7/1/1992	87,954,680.97	1.74	0.05	0.13	0.32	0.39	1.32	1.42	1.95	2.04	1.81	1.74	1.24	1.12	0.76	0.60	1.83	1.64	2.61	2.48
DIVERSIFYING STRATEGIES		7/1/2018	754,830,529.37	14.94	-7.69		-9.00		-5.51		-3.90										-0.37	
REAL ESTATE	NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	5/1/2009	239,752,318.49	4.74	1.71	1.27	2.88	1.27	10.13	3.15	11.95	4.39	10.88	6.13	10.37	7.99					9.50	5.91
OPPORTUNISTIC / ABSOLUTE R	HFRI Diversified		165,670,381.21	3.28	-2.37	-5.55	-2.89	-6.07	-1.99	-4.26	-2.46	-2.67	1.12	0.99	0.88	0.71					3.10	2.27
REAL RETURN	Pension Real Return Custom Benchmark	7/1/2011	349,407,829.67	6.92	-12.33	-12.33	-15.34	-15.34	-13.03	-13.03	-11.21	-11.21	-2.19	-2.19	0.01	0.01					1.66	1.01

KENTUCKY RETIREMENT SYSTEMS - INSURANCE FUND - PLAN NET RETURNS - 03/31/20

Plan	Benchmark	Inception	Market Value	% of Total	Month	3 Months		Fiscal YTD		1 Year		3 Years		5 Years		10 Years		20 Years		ITD	
KERS INS	KY Ins. KERS Plan Index		888,639,941.30	100.00	-9.34	-9.04	-12.84	-12.72	-8.19	-8.18	-5.72	-5.58	2.38	2.83	3.43	3.72	5.32	6.11	3.98	4.27	6.86	7.27
KERS - H INS	KY Ins. KERS Haz Plan Index		478,556,599.16	100.00	-8.67	-9.04	-12.18	-12.72	-7.40	-8.18	-4.79	-5.58	3.21	2.92	3.98	3.77	5.70	6.14	4.17	4.29	6.98	7.28
CERS INS	KY Ins. CERS Plan Index		2,291,100,315.66	100.00	-8.60	-9.04	-12.21	-12.72	-7.37	-8.18	-4.76	-5.58	3.38	2.94	4.11	3.79	5.77	6.15	4.20	4.29	7.00	7.28
CERS - H INS	KY Ins. CERS Haz Plan Index		1,210,379,802.61	100.00	-8.39	-9.04	-11.99	-12.72	-7.13	-8.18	-4.48	-5.58	3.53	2.94	4.24	3.79	5.82	6.16	4.23	4.29	7.02	7.28
SPRS INS	KY Ins. SPRS Plan Index		184,664,195.45	100.00	-8.26	-9.04	-11.71	-12.72	-6.85	-8.18	-4.21	-5.58	3.63	2.94	4.28	3.80	5.84	6.16	4.24	4.30	7.03	7.28



Note The above chart displays the average monthly a locat on.

Kentucky Retirement Systems

Domestic and Global Commissions Report

Quarter Ending: March 31, 2020

Kentucky Retirement Systems
Domestic Equity - Common Stock Commissions
Quarter Ended March 31, 2020

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
B RILEY AND CO LLC, NEW YORK	16681	500.43	445449	0.0300	0.1123%
BAIRD, ROBERT W & CO INC, MILWAUKEE	2669	106.76	282916	0.0400	0.0377%
BARCLAYS	144610	1084.59	2285621	0.0075	0.0475%
BERNSTEIN SANFORD C & CO, NEW YORK	388579	9716.03	21528772	0.0250	0.0451%
BMO CAPITAL MARKETS CORP, NEW YORK	18280	731.2	2590281	0.0400	0.0282%
BNY MELLON CLEARING	6363	44.54	58531	0.0070	0.0761%
BTIG LLC, NEW YORK	524060	15721.8	15047150	0.0300	0.1045%
CANTOR FITZGERALD & CO INC, NEW YORK	2338039	54461.2	70116939	0.0233	0.0777%
CITIGROUP	11358	190.7	1298541	0.0168	0.0147%
COWEN AND CO LLC, NEW YORK	80811	940.51	1581091	0.0116	0.0595%
CREDIT SUISSE	575197	14530.31	17913704	0.0253	0.0811%
GOLDMAN SACHS	24175	631.6	1153472	0.0261	0.0548%
INSTINET CORP	700391	10722.94	26887763	0.0153	0.0399%
INVESTMENT TECH GROUP INC, NEW YORK	88673	2618.28	7160480	0.0295	0.0366%
ISI GROUP	487618	5088.12	13836349	0.0104	0.0368%
ITG INC, NEW YORK	364947	7298.94	5274811	0.0200	0.1384%
J.P MORGAN SECURITIES INC, NEW YORK	264412	4475.77	21229346	0.0169	0.0211%
JANNEY MONTGOMERY SCOTT, PHILADELPHIA	8180	327.2	141425	0.0400	0.2314%
JEFFERIES & CO INC, NEW YORK	386091	3033.08	12594115	0.0079	0.0241%
JMP SECURITIES, SAN FRANCISCO	6866	274.64	343093	0.0400	0.0800%
JONESTRADING INST SVCS LLC, NEW YORK	11545	346.35	3220588	0.0300	0.0108%
JP MORGAN SECURITIES	5219	104.38	299985	0.0200	0.0348%
KNIGHT EQUITY MARKETS LP, NEW YORK	2440	73.2	277851	0.0300	0.0263%
LEERINK SWANN AND COMPANY, NEW YORK	6670	266.8	625958	0.0400	0.0426%
LIQUIDNET INC, NEW YORK	171361	3289.75	4708018	0.0192	0.0699%
LUMINEX TRADING AND ANALYTICS, BOSTON	104510	2821.78	4283445	0.0270	0.0659%
MERRILL LYNCH	61706	2166.64	8955199	0.0351	0.0242%
MISCHLER FINANCIAL GROUP INC, NEW YORK	5452	163.56	93373	0.0300	0.1752%
MORGAN STANLEY	60770	2430.8	2601907	0.0400	0.0934%
NATIONAL FINL SVCS CORP, NEW YORK	4100	110.7	230694	0.0270	0.0480%
OPPENHEIMER & CO INC, NEW YORK	21043	841.72	1223173	0.0400	0.0688%
PIPER JAFFRAY & CO., JERSEY CITY	418886	12074.31	17876952	0.0288	0.0675%
RAYMOND JAMES & ASSOC INC, ST PETERSBURG	688138	17705.47	24915378	0.0257	0.0711%
RBC CAPITAL MARKETS	305519	2291.4	6102891	0.0075	0.0375%
STIFEL NICOLAUS	289918	7247.95	4034294	0.0250	0.1797%
TOURMALINE PARTNERS LLC, NEW YORK	89394	1787.88	2249036	0.0200	0.0795%
UBS	6841825	56445.72	558221450	0.0083	0.0101%
WEDBUSH MORGAN SECS INC, LOS ANGELES	4710	188.4	298943	0.0400	0.0630%
WELLS FARGO SECURITIES, LLC, NEW YORK	124277	1316.22	1210109	0.0106	0.1088%
WILLIAM BLAIR & CO, CHICAGO	4680	187.2	1284563	0.0400	0.0146%
WOLFE TRAHAN SECURITIES, NEW YORK	26060	1042.4	1277775	0.0400	0.0816%
TOTAL DOMESTIC	15,686,223	245,401	865,761,431	0.0156	0.0283%

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
NTGI STRUCTURED	6,363	55	58,531	0.0086	0.0933%
RIVER ROAD FAV	5,789,840	135,754	179,014,163	0.0234	0.0758%
S&P 500 INDEX	6,763,849	55,666	554,541,334	0.0082	0.0100%
TCV VI	809	8	87,625	0.0100	0.0092%
TORTOISE CAP	1,697,286	13,291	30,654,605	0.0078	0.0434%
VANTAGEPOINT 2006	38,272	383	1,197,146	0.0100	0.0320%
WARBURG PINCUS PE X	38,895	389	2,395,345	0.0100	0.0162%
WESTFIELD CAPITAL	1,350,909	39,856	97,812,682	0.0295	0.0407%
TOTAL DOMESTIC	15,686,223	245,401	865,761,431	0.0156	0.0283%

Kentucky Retirement Systems
Global Equity - Common Stock Commissions
Quarter Ended March 31, 2020

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
BANCO BTG PACTUAL SA, RIO DE JANEIRO	486,600	188	375,578	0.0004	0.0500%
BARCLAYS	68,609	1,691	8,354,275	0.0246	0.0202%
BERENBERG GOSSLER & CIE, HAMBURG	189,430	16,896	14,480,771	0.0892	0.1167%
BERNSTEIN SANFORD C & CO, NEW YORK	386,500	2,732	3,279,165	0.0071	0.0833%
BMO CAPITAL MARKETS CORP, NEW YORK	12,600	189	2,099,940	0.0150	0.0090%
BNP PARIBUS	376,075	5,030	6,765,175	0.0134	0.0743%
BNY MELLON CLEARING	2,262,115	6,049	12,239,220	0.0027	0.0494%
BOFA SECURITIES, INC, NEW YORK	18,900	133	424,236	0.0071	0.0314%
BRASIL PLURAL CCTVM SA, SAO PAULO	700	1	551	0.0008	0.0998%
CIBC WORLD MKTS INC, TORONTO	134,000	3,591	2,335,060	0.0268	0.1538%
CITIGROUP	6,023,873	15,128	34,901,706	0.0025	0.0433%
CREDIT LYONNAIS SECS (ASIA), HONG KONG	323,900	885	2,038,197	0.0027	0.0434%
CREDIT LYONNAIS SECS, SINGAPORE	215,800	3,350	6,703,066	0.0155	0.0500%
CREDIT SUISSE	11,588,919	28,773	69,118,872	0.0025	0.0416%
D CARNEGIE AB, STOCKHOLM	91,037	7,373	4,908,169	0.0810	0.1502%
DAIWA SECURITIES	70,400	2,200	4,401,184	0.0313	0.0500%
EXANE, PARIS (EXANFRPP)	1,013,016	3,122	7,187,570	0.0031	0.0434%
GOLDMAN SACHS	1,063,220	14,107	29,408,267	0.0133	0.0480%
HSBC	760,400	1,836	6,148,364	0.0024	0.0299%
INSTINET CORP	636,900	1,263	3,156,348	0.0020	0.0400%
INVESTEC SECURITIES (331), LONDON	31,643	440	884,637	0.0139	0.0497%
INVESTMENT TECHNOLOGY GROUP LTD,DUBLIN	459,761	8,640	11,467,638	0.0188	0.0753%
ITG AUSTRALIA LTD, MELBOURNE	31,200	479	797,707	0.0153	0.0600%
J.P MORGAN SECURITIES INC, NEW YORK	3,650	55	404,094	0.0150	0.0135%
JEFFERIES & CO INC, NEW YORK	685,067	22,581	38,113,553	0.0330	0.0592%
JEFFERIES & CO LTD, LONDON	139,865	2,156	4,524,731	0.0154	0.0476%
JEFFERIES HONG KONG LIMITED, HONG KONG	11,021,200	4,923	9,858,684	0.0004	0.0499%
JP MORGAN SECURITIES	468,517	7,916	16,620,236	0.0169	0.0476%
JPMORGAN SECURITIES INC, NEW YORK	269,240	1,647	2,890,828	0.0061	0.0570%
LIQUIDNET CANADA INC, TORONTO	62,300	686	2,268,530	0.0110	0.0302%
LIQUIDNET INC, NEW YORK	60,505	605	3,470,525	0.0100	0.0174%
MACQUARIE SECURITIES	20,900	3,269	3,114,834	0.1564	0.1050%
MERRILL LYNCH	2,535,694	15,647	47,350,609	0.0062	0.0330%
MIZUHO SECURITIES USA INC. NEW YORK	287,173	3,212	6,404,033	0.0112	0.0502%
MORGAN STANLEY	2,432,522	32,535	59,884,373	0.0134	0.0543%
NATIONAL FINL SVCS CORP, NEW YORK	22,900	573	3,151,962	0.0250	0.0182%
NUMIS SECURITIES LTD, LONDON	363,720	11,008	7,332,328	0.0303	0.1501%
RBC CAPITAL MARKETS	2,148,184	21,723	34,214,945	0.0101	0.0635%
S G WARBURG, SEOUL	54,160	1,230	2,461,882	0.0227	0.0500%
SANFORD C BERNSTEIN & CO INC, LONDON	393,924	14,089	14,062,276	0.0358	0.1002%
SCOTIA CAPITAL INC, NEW YORK	412,700	322	322,777	0.0008	0.0999%
SCOTIA CAPITAL MKTS, TORONTO	19,100	59	1,057,411	0.0031	0.0056%
SG SEC (LONDON) LTD, LONDON	6,920	35	69,814	0.0050	0.0500%
SKANDINAVISKA ENSKILDA BANKEN, COPENHAGE	21,100	1,149	1,915,913	0.0544	0.0600%
SKANDINAVISKA ENSKILDA BANKEN, STOCKHOLM	199,676	1,508	2,875,355	0.0076	0.0524%
SMBC SECURITIES, INC NEW YORK	32,600	1,100	2,198,994	0.0337	0.0500%
SOCIETE GENERALE LONDON BRANCH, LONDON	384,609	2,857	5,357,161	0.0074	0.0533%
SOCIETE GENERALE, PARIS	115,719	953	1,910,136	0.0082	0.0499%
TORONTO DOMINION SEC, TORONTO	128,600	1,439	4,353,890	0.0112	0.0331%
UBS	9,149,762	39,811	94,829,774	0.0044	0.0420%
WARBURG DILLON READ SEC, MUMBAI	206,975	605	1,211,738	0.0029	0.0499%
TOTAL GLOBAL	57,892,880	317,788	603,707,082	0.0055	0.0526%

Broker/Account	Shares Traded	Commission	Value of Trade	Per Share	% Cost of Trade
AMERICAN CENTURY	10,284,582	104,100	184,394,179	0.0101	0.0565%
FRANKIN TEMPLETON	3,194,137	79,368	101,743,994	0.0248	0.0780%
LAZARD ASSET MGMT	23,100,914	82,807	217,674,151	0.0036	0.0380%
LSV ASSET MANAGEMENT	14,583,241	31,585	67,850,705	0.0022	0.0466%
LSV ASSET MGMT	6,730,258	13,114	28,093,114	0.0019	0.0467%
MANULIFE ASSET MGMT	(252)	6,814	3,950,939	(27.0397)	0.1725%
TOTAL GLOBAL	57,892,880	317,788	603,707,082	0.0055	0.0526%

Kentucky Retirement Systems

Internal Asset Holdings Report

Quarter Ending: March 31, 2020

Pension – Internal US Mid Cap	pg.2
Pension – Internal Equity	pg.3
Pension – Internal S&P500 Index	pg.13
Pension – Internal US TIPS	pg.25
Insurance – Internal US Mid Cap	pg.26
Insurance – Internal Equity	pg.27
Insurance – Internal S&P500 Index	pg.37
Insurance – Internal US TIPS	pg.49

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**131,518,735.60**		**116,274,095.29**	**100.00**		**-15,244,640.31**
CASH & CASH EQUIVALENTS							**606,339.49**		**606,339.49**	**0.52**		**0.00**
U.S. DOLLAR						**606,339.49**	**606,339.49**	**606,339.49**	**606,339.49**	**0.52**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	605,897.060	1.00	1.00	605,897.06	605,897 06	605,897.06	605,897.06	0.52	0.00	0.00
		CASH	0.000	1.00	1.00	26.25	26 25	26.25	26.25	0.00	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	354.33	354 33	354.33	354.33	0.00	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	72.65	72 65	72.65	72.65	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-10.90	-10 90	-10.90	-10.90	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	0.10	0.10	0.10	0.10	0.00	0.00	0.00
EQUITY							**130,912,396.11**		**115,667,755.80**	**99.48**		**-15,244,640.31**
U.S. DOLLAR						**130,912,396.11**	**130,912,396.11**	**115,667,755.80**	**115,667,755.80**	**99.48**	**-15,244,640.31**	**-15,244,640.31**
	464287507	ISHARES CORE S&P MIDCAP ETF	804,030.000	143.86	143.86	130,912,396.11	130,912,396.11	115,667,755.80	115,667,755.80	99.48	-15,244,640.31	-15,244,640.31

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**402,936,745.66**		**363,430,944.41**	**100.00**		**-39,505,801.25**
CASH & CASH EQUIVALENTS							**1,337,586.16**		**1,337,586.16**	**0.37**		**0.00**
U.S. DOLLAR						**1,337,586.16**	**1,337,586.16**	**1,337,586.16**	**1,337,586.16**	**0.37**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	746,343.840	1.00	1.00	746,343.84	746,343 84	746,343.84	746,343.84	0.21	0.00	0.00
		CASH	0.000	1.00	1.00	5,284.10	5,284.10	5,284.10	5,284.10	0.00	0.00	0.00
		DIVIDENDS RECEIVABLE	0.000	1.00	1.00	579,977.84	579,977 84	579,977.84	579,977.84	0.16	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	625.67	625 67	625.67	625.67	0.00	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	11,847.58	11,847 58	11,847.58	11,847.58	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-943.27	-943 27	-943.27	-943.27	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	-5,549.60	-5,549 60	-5,549.60	-5,549.60	0.00	0.00	0.00
EQUITY							**401,599,159.50**		**362,093,358.25**	**99.63**		**-39,505,801.25**
U.S. DOLLAR						**401,599,159.50**	**401,599,159.50**	**362,093,358.25**	**362,093,358.25**	**99.63**	**-39,505,801.25**	**-39,505,801.25**
	001055102	AFLAC NC	25,414.000	34.24	34.24	1,062,721.98	1,062,721 98	870,175.36	870,175.36	0.24	-192,546.62	-192,546.62
	00206R102	AT&T NC	53,720.000	29.15	29.15	1,908,998.11	1,908,998.11	1,565,938.00	1,565,938.00	0.43	-343,060.11	-343,060.11
	002824100	ABBOTT LABORATORIES	16,033.000	78.91	78.91	907,469.80	907,469 80	1,265,164.03	1,265,164.03	0.35	357,694.23	357,694.23
	00507V109	ACTIVISION BLIZZARD NC	25,439.000	59.48	59.48	1,220,460.03	1,220,460 03	1,513,111.72	1,513,111.72	0.42	292,651.69	292,651.69
	00724F101	ADOBE INC	2,852.000	318.24	318.24	548,518.43	548,518.43	907,620.48	907,620.48	0.25	359,102.05	359,102.05
	00751Y106	ADVANCE AUTO PARTS INC	6,193.000	93.32	93.32	915,362.65	915,362 65	577,930.76	577,930.76	0.16	-337,431.89	-337,431.89
	007903107	ADVANCED MICRO DEVICES INC	16,600.000	45.48	45.48	348,313.08	348,313 08	754,968.00	754,968.00	0.21	406,654.92	406,654.92
	00846U101	AG LENT TECHNOLOG ES INC	15,093.000	71.62	71.62	981,331.33	981,331 33	1,080,960.66	1,080,960.66	0.30	99,629.33	99,629.33
	009158106	AIR PRODUCTS AND CHEMICALS INC	5,311.000	199.61	199.61	911,150.31	911,150 31	1,060,128.71	1,060,128.71	0.29	148,978.40	148,978.40
	00971T101	AKAMAI TECHNOLOG ES INC	23,430.000	91.49	91.49	1,748,443.47	1,748,443.47	2,143,610.70	2,143,610.70	0.59	395,167.23	395,167.23
	012653101	ALBEMARLE CORP	8,325.000	56.37	56.37	656,477.99	656,477 99	469,280.25	469,280.25	0.13	-187,197.74	-187,197.74
	015271109	ALEXANDRIA REAL ESTATE EQUIT E	8,179.000	137.06	137.06	1,092,322.83	1,092,322 83	1,121,013.74	1,121,013.74	0.31	28,690.91	28,690.91
	015351109	ALEXION PHARMACEUTICALS INC	2,753.000	89.79	89.79	310,313.24	310,313 24	247,191.87	247,191.87	0.07	-63,121.37	-63,121.37
	017175100	ALLEGHANY CORP	1,778.000	552.35	552.35	1,048,866.55	1,048,866 55	982,078.30	982,078.30	0.27	-66,788.25	-66,788.25
	018802108	ALLIANT ENERGY CORP	28,303.000	48.29	48.29	1,191,412.76	1,191,412.76	1,366,751.87	1,366,751.87	0.38	175,339.11	175,339.11
	020002101	ALLSTATE CORP/THE	11,510.000	91.73	91.73	1,021,326.55	1,021,326 55	1,055,812.30	1,055,812.30	0.29	34,485.75	34,485.75
	02005N100	ALLY F NANCIAL INC	34,075.000	14.43	14.43	813,310.39	813,310 39	491,702.25	491,702.25	0.14	-321,608.14	-321,608.14
	02079K305	ALPHABET NC-CL A	833.000	1,161.95	1,161.95	912,578.77	912,578.77	967,904.35	967,904.35	0.27	55,325.58	55,325.58
	023608102	AMEREN CORP	40,503.000	72.83	72.83	2,474,939.75	2,474,939.75	2,949,833.49	2,949,833.49	0.81	474,893.74	474,893.74
	025537101	AMERICAN ELECTRIC POWER CO INC	27,335.000	79.98	79.98	2,201,466.56	2,201,466 56	2,186,253.30	2,186,253.30	0.60	-15,213.26	-15,213.26
	025816109	AMERICAN EXPRESS CO	3,647.000	85.61	85.61	307,231.83	307,231 83	312,219.67	312,219.67	0.09	4,987.84	4,987.84
	026874784	AMERICAN INTERNATIONAL GROUP I	35,537.000	24.25	24.25	1,786,836.52	1,786,836 52	861,772.25	861,772.25	0.24	-925,064.27	-925,064.27
	030420103	AMERICAN WATER WORKS CO INC	12,752.000	119.56	119.56	1,157,770.54	1,157,770 54	1,524,629.12	1,524,629.12	0.42	366,858.58	366,858.58
	031100100	AMETEK INC	9,117.000	72.02	72.02	569,915.67	569,915 67	656,606.34	656,606.34	0.18	86,690.67	86,690.67
	032095101	AMPHENOL CORP	8,656.000	72.88	72.88	611,400.81	611,400 81	630,849.28	630,849.28	0.17	19,448.47	19,448.47
	032654105	ANALOG DEVICES INC	12,501.000	89.65	89.65	1,390,747.47	1,390,747.47	1,120,714.65	1,120,714.65	0.31	-270,032.82	-270,032.82
	035710409	ANNALY CAPITAL MANAGEMENT INC	183,232.000	5.07	5.07	1,898,899.76	1,898,899.76	928,986.24	928,986.24	0.26	-969,913.52	-969,913.52
	03662Q105	ANSYS NC	7,843.000	232.47	232.47	1,121,260.99	1,121,260 99	1,823,262.21	1,823,262.21	0.50	702,001.22	702,001.22
	036752103	ANTHEM NC	4,161.000	227.04	227.04	864,620.22	864,620 22	944,713.44	944,713.44	0.26	80,093.22	80,093.22

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

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037411105	APACHE CORP	42,982.000	4.18	4.18	1,571,297.73	1,571,297.73	179,664.76	179,664.76	0.05	-1,391,632.97	-1,391,632.97
037833100	APPLE NC	3,558.000	254.29	254.29	725,001.12	725,001.12	904,763.82	904,763.82	0.25	179,762.70	179,762.70
038222105	APPLIED MATERIALS INC	24,610.000	45.82	45.82	1,239,005.51	1,239,005 51	1,127,630.20	1,127,630.20	0.31	-111,375.31	-111,375.31
039483102	ARCHER-DAN ELS-M DLAND CO	27,545.000	35.18	35.18	1,200,581.64	1,200,581 64	969,033.10	969,033.10	0.27	-231,548.54	-231,548.54
03965L100	ARCONIC INC	43,253.000	16.06	16.06	1,007,335.26	1,007,335 26	694,643.18	694,643.18	0.19	-312,692.08	-312,692.08
049560105	ATMOS ENERGY CORP	16,818.000	99.23	99.23	1,754,296.33	1,754,296 33	1,668,850.14	1,668,850.14	0.46	-85,446.19	-85,446.19
053332102	AUTOZONE NC	1,270.000	846.00	846.00	1,158,521.36	1,158,521 36	1,074,420.00	1,074,420.00	0.30	-84,101.36	-84,101.36
053484101	AVALONBAY COMMUNITIES NC	4,771.000	147.17	147.17	872,098.78	872,098.78	702,148.07	702,148.07	0.19	-169,950.71	-169,950.71
058498106	BALL CORP	14,580.000	64.66	64.66	742,999.08	742,999 08	942,742.80	942,742.80	0.26	199,743.72	199,743.72
060505104	BANK OF AMERICA CORP	61,036.000	21.23	21.23	1,527,687.98	1,527,687 98	1,295,794.28	1,295,794.28	0.36	-231,893.70	-231,893.70
064058100	BANK OF NEW YORK MELLON CORP/T	9,073.000	33.68	33.68	433,117.04	433,117 04	305,578.64	305,578.64	0.08	-127,538.40	-127,538.40
071813109	BAXTER INTERNATIONAL NC	16,894.000	81.19	81.19	1,057,088.95	1,057,088 95	1,371,623.86	1,371,623.86	0.38	314,534.91	314,534.91
084670702	BERKSHIRE HATHAWAY INC	4,233.000	182.83	182.83	759,719.83	759,719 83	773,919.39	773,919.39	0.21	14,199.56	14,199.56
086516101	BEST BUY CO NC	18,458.000	57.00	57.00	841,619.70	841,619.70	1,052,106.00	1,052,106.00	0.29	210,486.30	210,486.30
099724106	BORGWARNER NC	17,049.000	24.37	24.37	656,278.69	656,278 69	415,484.13	415,484.13	0.11	-240,794.56	-240,794.56
101137107	BOSTON SCIENT FIC CORP	20,327.000	32.63	32.63	625,976.23	625,976 23	663,270.01	663,270.01	0.18	37,293.78	37,293.78
110122108	BRISTOL-MYERS SQUIBB CO	12,229.000	55.74	55.74	559,857.21	559,857 21	681,644.46	681,644.46	0.19	121,787.25	121,787.25
11133T103	BROADRIDGE FINANCIAL SOLUTIONS	11,370.000	94.83	94.83	1,137,160.64	1,137,160 64	1,078,217.10	1,078,217.10	0.30	-58,943.54	-58,943.54
11135F101	BROADCOM NC	7,142.000	237.10	237.10	2,015,977.11	2,015,977.11	1,693,368.20	1,693,368.20	0.47	-322,608.91	-322,608.91
115637209	BROWN-FORMAN CORP	27,797.000	55.51	55.51	1,448,031.28	1,448,031 28	1,543,011.47	1,543,011.47	0.42	94,980.19	94,980.19
122017106	BURL NGTON STORES NC	1,974.000	158.46	158.46	336,050.43	336,050.43	312,800.04	312,800.04	0.09	-23,250.39	-23,250.39
12504L109	CBRE GROUP NC	14,664.000	37.71	37.71	663,546.90	663,546 90	552,979.44	552,979.44	0.15	-110,567.46	-110,567.46
12514G108	CDW CORP/DE	10,219.000	93.27	93.27	869,313.31	869,313 31	953,126.13	953,126.13	0.26	83,812.82	83,812.82
12541W209	CH ROBINSON WORLDWIDE INC	6,675.000	66.20	66.20	510,770.16	510,770.16	441,885.00	441,885.00	0.12	-68,885.16	-68,885.16
12572Q105	CME GROUP INC	8,131.000	172.91	172.91	1,079,546.75	1,079,546.75	1,405,931.21	1,405,931.21	0.39	326,384.46	326,384.46
125896100	CMS ENERGY CORP	46,258.000	58.75	58.75	2,264,566.46	2,264,566.46	2,717,657.50	2,717,657.50	0.75	453,091.04	453,091.04
127097103	CABOT O L & GAS CORP	36,642.000	17.19	17.19	835,601.93	835,601 93	629,875.98	629,875.98	0.17	-205,725.95	-205,725.95
127387108	CADENCE DESIGN SYSTEMS INC	26,570.000	66.04	66.04	1,292,086.26	1,292,086 26	1,754,682.80	1,754,682.80	0.48	462,596.54	462,596.54
14040H105	CAPITAL ONE F NANCIAL CORP	4,301.000	50.42	50.42	351,840.57	351,840 57	216,856.42	216,856.42	0.06	-134,984.15	-134,984.15
143658300	CARNIVAL CORP	20,681.000	13.17	13.17	1,076,133.47	1,076,133.47	272,368.77	272,368.77	0.07	-803,764.70	-803,764.70
150870103	CELANESE CORP	8,368.000	73.39	73.39	824,110.39	824,110 39	614,127.52	614,127.52	0.17	-209,982.87	-209,982.87
15135B101	CENTENE CORP	8,451.000	59.41	59.41	524,048.44	524,048.44	502,073.91	502,073.91	0.14	-21,974.53	-21,974.53
15189T107	CENTERPOINT ENERGY INC	44,807.000	15.45	15.45	1,194,791.31	1,194,791 31	692,268.15	692,268.15	0.19	-502,523.16	-502,523.16
156700106	CENTURYLINK NC	26,344.000	9.46	9.46	386,202.60	386,202 60	249,214.24	249,214.24	0.07	-136,988.36	-136,988.36
156782104	CERNER CORP	6,013.000	62.99	62.99	365,529.30	365,529 30	378,758.87	378,758.87	0.10	13,229.57	13,229.57
16119P108	CHARTER COMMUNICATIONS NC	2,803.000	436.31	436.31	1,107,273.54	1,107,273 54	1,222,976.93	1,222,976.93	0.34	115,703.39	115,703.39
166764100	CHEVRON CORP	11,579.000	72.46	72.46	1,347,592.48	1,347,592.48	839,014.34	839,014.34	0.23	-508,578.14	-508,578.14
169656105	CH POTLE MEXICAN GRILL INC	2,042.000	654.40	654.40	1,020,169.73	1,020,169.73	1,336,284.80	1,336,284.80	0.37	316,115.07	316,115.07
171340102	CHURCH & DWIGHT CO INC	15,765.000	64.18	64.18	956,007.50	956,007 50	1,011,797.70	1,011,797.70	0.28	55,790.20	55,790.20
172062101	CINCINNATI FINANCIAL CORP	15,520.000	75.45	75.45	1,195,095.92	1,195,095 92	1,170,984.00	1,170,984.00	0.32	-24,111.92	-24,111.92
17275R102	CISCO SYSTEMS NC	14,702.000	39.31	39.31	584,827.06	584,827 06	577,935.62	577,935.62	0.16	-6,891.44	-6,891.44
172908105	CINTAS CORP	5,517.000	173.22	173.22	888,975.43	888,975.43	955,654.74	955,654.74	0.26	66,679.31	66,679.31
172967424	CITIGROUP NC	9,791.000	42.12	42.12	653,917.41	653,917.41	412,396.92	412,396.92	0.11	-241,520.49	-241,520.49
174610105	CITIZENS FINANCIAL GROUP INC	20,532.000	18.81	18.81	676,331.12	676,331.12	386,206.92	386,206.92	0.11	-290,124.20	-290,124.20

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177376100	CITRIX SYSTEMS INC	6,974.000	141.55	141.55	636,647.68	636,647 68	987,169.70	987,169.70	0.27	350,522.02	350,522.02
189054109	CLOROX CO/THE	6,602.000	173.25	173.25	937,662.69	937,662 69	1,143,796.50	1,143,796.50	0.31	206,133.81	206,133.81
191216100	COCA-COLA CO/THE	21,679.000	44.25	44.25	1,019,000.10	1,019,000.10	959,295.75	959,295.75	0.26	-59,704.35	-59,704.35
192446102	COGNIZANT TECHNOLOGY SOLUTIONS	22,006.000	46.47	46.47	1,622,828.23	1,622,828 23	1,022,618.82	1,022,618.82	0.28	-600,209.41	-600,209.41
194162103	COLGATE-PALMOLIVE CO	13,653.000	66.36	66.36	929,092.54	929,092 54	906,013.08	906,013.08	0.25	-23,079.46	-23,079.46
20030N101	COMCAST CORP	40,918.000	34.38	34.38	1,523,836.84	1,523,836 84	1,406,760.84	1,406,760.84	0.39	-117,076.00	-117,076.00
200340107	COMERICA NC	7,700.000	29.34	29.34	476,814.89	476,814 89	225,918.00	225,918.00	0.06	-250,896.89	-250,896.89
205887102	CONAGRA BRANDS INC	44,455.000	29.34	29.34	1,270,664.12	1,270,664.12	1,304,309.70	1,304,309.70	0.36	33,645.58	33,645.58
20605P101	CONCHO RESOURCES INC	11,497.000	42.85	42.85	1,359,149.66	1,359,149 66	492,646.45	492,646.45	0.14	-866,503.21	-866,503.21
20825C104	CONOCOPHILLIPS	15,240.000	30.80	30.80	937,985.65	937,985 65	469,392.00	469,392.00	0.13	-468,593.65	-468,593.65
209115104	CONSOLIDATED EDISON INC	31,664.000	78.00	78.00	2,593,329.56	2,593,329 56	2,469,792.00	2,469,792.00	0.68	-123,537.56	-123,537.56
21036P108	CONSTELLATION BRANDS NC	4,625.000	143.36	143.36	826,394.06	826,394 06	663,040.00	663,040.00	0.18	-163,354.06	-163,354.06
216648402	COOPER COS INC/THE	5,166.000	275.67	275.67	1,165,374.76	1,165,374.76	1,424,111.22	1,424,111.22	0.39	258,736.46	258,736.46
217204106	COPART INC	6,612.000	68.52	68.52	368,942.50	368,942 50	453,054.24	453,054.24	0.12	84,111.74	84,111.74
219350105	CORNING NC	32,046.000	20.54	20.54	901,539.47	901,539.47	658,224.84	658,224.84	0.18	-243,314.63	-243,314.63
22052L104	CORTEVA INC	44,327.000	23.50	23.50	1,246,377.23	1,246,377 23	1,041,684.50	1,041,684.50	0.29	-204,692.73	-204,692.73
22160K105	COSTCO WHOLESALE CORP	5,572.000	285.13	285.13	1,259,063.04	1,259,063 04	1,588,744.36	1,588,744.36	0.44	329,681.32	329,681.32
22160N109	COSTAR GROUP INC	4,532.000	587.21	587.21	2,275,960.97	2,275,960 97	2,661,235.72	2,661,235.72	0.73	385,274.75	385,274.75
22304C100	COVETRUS NC	0.400	8.14	8.14	17.65	17 65	3.26	3.26	0.00	-14.39	-14.39
231021106	CUMMINS INC	7,700.000	135.32	135.32	1,196,958.83	1,196,958 83	1,041,964.00	1,041,964.00	0.29	-154,994.83	-154,994.83
23331A109	DR HORTON NC	50,145.000	34.00	34.00	2,116,379.48	2,116,379.48	1,704,930.00	1,704,930.00	0.47	-411,449.48	-411,449.48
233331107	DTE ENERGY CO	16,021.000	94.97	94.97	1,716,459.58	1,716,459 58	1,521,514.37	1,521,514.37	0.42	-194,945.21	-194,945.21
23355L106	DXC TECHNOLOGY CO	23,482.000	13.05	13.05	1,359,859.36	1,359,859 36	306,440.10	306,440.10	0.08	-1,053,419.26	-1,053,419.26
235851102	DANAHER CORP	9,163.000	138.41	138.41	861,627.89	861,627 89	1,268,250.83	1,268,250.83	0.35	406,622.94	406,622.94
237194105	DARDEN RESTAURANTS NC	10,963.000	54.46	54.46	884,074.24	884,074 24	597,044.98	597,044.98	0.16	-287,029.26	-287,029.26
247361702	DELTA A R L NES INC	19,993.000	28.53	28.53	931,978.97	931,978 97	570,400.29	570,400.29	0.16	-361,578.68	-361,578.68
24906P109	DENTSPLY SIRONA NC	26,923.000	38.83	38.83	1,339,367.89	1,339,367 89	1,045,420.09	1,045,420.09	0.29	-293,947.80	-293,947.80
25179M103	DEVON ENERGY CORP	24,629.000	6.91	6.91	669,365.75	669,365.75	170,186.39	170,186.39	0.05	-499,179.36	-499,179.36
254687106	WALT DISNEY CO/THE	15,888.000	96.60	96.60	1,671,655.44	1,671,655.44	1,534,780.80	1,534,780.80	0.42	-136,874.64	-136,874.64
256677105	DOLLAR GENERAL CORP	6,470.000	151.01	151.01	737,961.36	737,961 36	977,034.70	977,034.70	0.27	239,073.34	239,073.34
256746108	DOLLAR TREE INC	7,776.000	73.47	73.47	698,951.91	698,951 91	571,302.72	571,302.72	0.16	-127,649.19	-127,649.19
25746U109	DOM NION ENERGY INC	52,275.000	72.19	72.19	3,997,502.94	3,997,502 94	3,773,732.25	3,773,732.25	1.04	-223,770.69	-223,770.69
25754A201	DOM NO'S PIZZA NC	1,146.000	324.07	324.07	322,255.46	322,255.46	371,384.22	371,384.22	0.10	49,128.76	49,128.76
260003108	DOVER CORP	13,169.000	83.94	83.94	995,401.31	995,401 31	1,105,405.86	1,105,405.86	0.30	110,004.55	110,004.55
260557103	DOW INC	12,889.000	29.24	29.24	695,741.71	695,741.71	376,874.36	376,874.36	0.10	-318,867.35	-318,867.35
264411505	DUKE REALTY CORP	41,179.000	32.38	32.38	1,148,951.01	1,148,951 01	1,333,376.02	1,333,376.02	0.37	184,425.01	184,425.01
26441C204	DUKE ENERGY CORP	53,508.000	80.88	80.88	4,660,707.46	4,660,707.46	4,327,727.04	4,327,727.04	1.19	-332,980.42	-332,980.42
26614N102	DUPONT DE NEMOURS NC	9,715.000	34.10	34.10	716,994.14	716,994.14	331,281.50	331,281.50	0.09	-385,712.64	-385,712.64
26875P101	EOG RESOURCES INC	8,752.000	35.92	35.92	823,045.09	823,045 09	314,371.84	314,371.84	0.09	-508,673.25	-508,673.25
277432100	EASTMAN CHEMICAL CO	12,331.000	46.58	46.58	1,015,533.86	1,015,533 86	574,377.98	574,377.98	0.16	-441,155.88	-441,155.88
278642103	EBAY INC	40,452.000	30.06	30.06	1,565,511.08	1,565,511 08	1,215,987.12	1,215,987.12	0.33	-349,523.96	-349,523.96
278865100	ECOLAB NC	5,330.000	155.83	155.83	788,509.28	788,509 28	830,573.90	830,573.90	0.23	42,064.62	42,064.62
281020107	EDISON INTERNATIONAL	35,474.000	54.79	54.79	2,472,144.61	2,472,144 61	1,943,620.46	1,943,620.46	0.53	-528,524.15	-528,524.15
28176E108	EDWARDS LIFESCIENCES CORP	3,590.000	188.62	188.62	513,844.25	513,844 25	677,145.80	677,145.80	0.19	163,301.55	163,301.55

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28414H103	ELANCO ANIMAL HEALTH INC	21,767.000	22.39	22.39	723,092.11	723,092.11	487,363.13	487,363.13	0.13	-235,728.98	-235,728.98
285512109	ELECTRONIC ARTS NC	16,427.000	100.17	100.17	1,619,925.78	1,619,925.78	1,645,492.59	1,645,492.59	0.45	25,566.81	25,566.81
291011104	EMERSON ELECTRIC CO	10,398.000	47.65	47.65	660,429.02	660,429 02	495,464.70	495,464.70	0.14	-164,964.32	-164,964.32
29364G103	ENTERGY CORP	32,778.000	93.97	93.97	2,916,426.25	2,916,426 25	3,080,148.66	3,080,148.66	0.85	163,722.41	163,722.41
29476L107	EQUITY RESIDENTIAL	11,825.000	61.71	61.71	808,051.81	808,051 81	729,720.75	729,720.75	0.20	-78,331.06	-78,331.06
297178105	ESSEX PROPERTY TRUST INC	7,434.000	220.24	220.24	1,834,749.41	1,834,749.41	1,637,264.16	1,637,264.16	0.45	-197,485.25	-197,485.25
30034W106	EVERGY INC	36,613.000	55.05	55.05	2,067,545.87	2,067,545 87	2,015,545.65	2,015,545.65	0.55	-52,000.22	-52,000.22
30040W108	EVERSOURCE ENERGY	17,828.000	78.21	78.21	1,138,683.06	1,138,683 06	1,394,327.88	1,394,327.88	0.38	255,644.82	255,644.82
30161N101	EXELON CORP	30,124.000	36.81	36.81	1,230,546.55	1,230,546 55	1,108,864.44	1,108,864.44	0.31	-121,682.11	-121,682.11
30212P303	EXPEDIA GROUP INC	3,915.000	56.27	56.27	468,147.28	468,147 28	220,297.05	220,297.05	0.06	-247,850.23	-247,850.23
302130109	EXPEDITORS INTERNATIONAL OF WA	8,621.000	66.72	66.72	495,064.49	495,064.49	575,193.12	575,193.12	0.16	80,128.63	80,128.63
30231G102	EXXON MOBIL CORP	14,104.000	37.97	37.97	1,150,397.93	1,150,397 93	535,528.88	535,528.88	0.15	-614,869.05	-614,869.05
30303M102	FACEBOOK NC	6,410.000	166.80	166.80	1,294,664.23	1,294,664 23	1,069,188.00	1,069,188.00	0.29	-225,476.23	-225,476.23
303075105	FACTSET RESEARCH SYSTEMS NC	3,296.000	260.68	260.68	922,069.19	922,069.19	859,201.28	859,201.28	0.24	-62,867.91	-62,867.91
311900104	FASTENAL CO	30,685.000	31.25	31.25	908,407.15	908,407.15	958,906.25	958,906.25	0.26	50,499.10	50,499.10
313747206	FEDERAL REALTY INVESTMENT TRUS	2,847.000	74.61	74.61	354,319.44	354,319.44	212,414.67	212,414.67	0.06	-141,904.77	-141,904.77
31428X106	FEDEX CORP	2,652.000	121.26	121.26	482,948.78	482,948.78	321,581.52	321,581.52	0.09	-161,367.26	-161,367.26
315616102	F5 NETWORKS NC	10,008.000	106.63	106.63	1,488,530.33	1,488,530 33	1,067,153.04	1,067,153.04	0.29	-421,377.29	-421,377.29
31620M106	F DELITY NATIONAL INFORMATION	7,850.000	121.64	121.64	698,465.93	698,465 93	954,874.00	954,874.00	0.26	256,408.07	256,408.07
31620R303	F DELITY NATIONAL F NANCIAL IN	28,804.000	24.88	24.88	995,682.40	995,682.40	716,643.52	716,643.52	0.20	-279,038.88	-279,038.88
316773100	F FTH THIRD BANCORP	55,924.000	14.85	14.85	1,418,042.81	1,418,042 81	830,471.40	830,471.40	0.23	-587,571.41	-587,571.41
337738108	FISERV INC	15,169.000	94.99	94.99	1,233,026.71	1,233,026.71	1,440,903.31	1,440,903.31	0.40	207,876.60	207,876.60
337932107	F RSTENERGY CORP	65,779.000	40.07	40.07	2,420,369.16	2,420,369.16	2,635,764.53	2,635,764.53	0.73	215,395.37	215,395.37
345370860	FORD MOTOR CO	97,846.000	4.83	4.83	964,166.42	964,166.42	472,596.18	472,596.18	0.13	-491,570.24	-491,570.24
34959E109	FORTINET INC	4,496.000	101.17	101.17	351,950.11	351,950.11	454,860.32	454,860.32	0.13	102,910.21	102,910.21
34959J108	FORTIVE CORP	6,763.000	55.19	55.19	485,723.94	485,723 94	373,249.97	373,249.97	0.10	-112,473.97	-112,473.97
34964C106	FORTUNE BRANDS HOME & SECURITY	10,527.000	43.25	43.25	588,305.61	588,305 61	455,292.75	455,292.75	0.13	-133,012.86	-133,012.86
35137L105	FOX CORP	22,375.000	23.63	23.63	761,504.13	761,504.13	528,721.25	528,721.25	0.15	-232,782.88	-232,782.88
354613101	FRANKLIN RESOURCES INC	18,225.000	16.69	16.69	586,742.42	586,742.42	304,175.25	304,175.25	0.08	-282,567.17	-282,567.17
35671D857	FREEPORT-MCMORAN INC	58,559.000	6.75	6.75	760,761.92	760,761 92	395,273.25	395,273.25	0.11	-365,488.67	-365,488.67
363576109	ARTHUR J GALLAGHER & CO	13,399.000	81.51	81.51	825,968.65	825,968 65	1,092,152.49	1,092,152.49	0.30	266,183.84	266,183.84
366651107	GARTNER NC	3,971.000	99.57	99.57	613,964.38	613,964 38	395,392.47	395,392.47	0.11	-218,571.91	-218,571.91
37045V100	GENERAL MOTORS CO	25,530.000	20.78	20.78	961,677.42	961,677.42	530,513.40	530,513.40	0.15	-431,164.02	-431,164.02
372460105	GENUINE PARTS CO	8,352.000	67.33	67.33	790,486.92	790,486 92	562,340.16	562,340.16	0.15	-228,146.76	-228,146.76
375558103	G LEAD SC ENCES NC	9,564.000	74.76	74.76	646,067.10	646,067.10	715,004.64	715,004.64	0.20	68,937.54	68,937.54
37959E102	GLOBE LIFE INC	10,447.000	71.97	71.97	833,929.35	833,929 35	751,870.59	751,870.59	0.21	-82,058.76	-82,058.76
380237107	GODADDY NC	9,415.000	57.11	57.11	644,127.31	644,127 31	537,690.65	537,690.65	0.15	-106,436.66	-106,436.66
38141G104	GOLDMAN SACHS GROUP INC/THE	2,050.000	154.59	154.59	396,420.88	396,420 88	316,909.50	316,909.50	0.09	-79,511.38	-79,511.38
384802104	WW GRA NGER INC	2,524.000	248.50	248.50	636,314.00	636,314 00	627,214.00	627,214.00	0.17	-9,100.00	-9,100.00
416515104	HARTFORD FINANCIAL SERVICES GR	42,334.000	35.24	35.24	2,130,032.27	2,130,032 27	1,491,850.16	1,491,850.16	0.41	-638,182.11	-638,182.11
418056107	HASBRO NC	9,337.000	71.55	71.55	794,605.47	794,605.47	668,062.35	668,062.35	0.18	-126,543.12	-126,543.12
42250P103	HEALTHPEAK PROPERT ES INC	40,867.000	23.85	23.85	1,237,857.25	1,237,857 25	974,677.95	974,677.95	0.27	-263,179.30	-263,179.30
427866108	HERSHEY CO/THE	13,162.000	132.50	132.50	1,568,935.35	1,568,935 35	1,743,965.00	1,743,965.00	0.48	175,029.65	175,029.65
42809H107	HESS CORP	27,760.000	33.30	33.30	1,573,995.74	1,573,995.74	924,408.00	924,408.00	0.25	-649,587.74	-649,587.74

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
42824C109	HEWLETT PACKARD ENTERPRISE CO	56,761.000	9.71	9.71	831,658.52	831,658 52	551,149.31	551,149.31	0.15	-280,509.21	-280,509.21
436106108	HOLLYFRONTIER CORP	6,391.000	24.51	24.51	278,829.10	278,829.10	156,643.41	156,643.41	0.04	-122,185.69	-122,185.69
436440101	HOLOGIC INC	27,490.000	35.10	35.10	1,157,229.93	1,157,229 93	964,899.00	964,899.00	0.27	-192,330.93	-192,330.93
437076102	HOME DEPOT NC/THE	6,589.000	186.71	186.71	1,244,159.48	1,244,159.48	1,230,232.19	1,230,232.19	0.34	-13,927.29	-13,927.29
438516106	HONEYWELL INTERNATIONAL INC	5,408.000	133.79	133.79	716,018.05	716,018 05	723,536.32	723,536.32	0.20	7,518.27	7,518.27
440452100	HORMEL FOODS CORP	26,091.000	46.64	46.64	1,020,107.86	1,020,107 86	1,216,884.24	1,216,884.24	0.33	196,776.38	196,776.38
44107P104	HOST HOTELS & RESORTS NC	40,409.000	11.04	11.04	734,145.17	734,145.17	446,115.36	446,115.36	0.12	-288,029.81	-288,029.81
444859102	HUMANA INC	1,592.000	314.02	314.02	411,517.69	411,517 69	499,919.84	499,919.84	0.14	88,402.15	88,402.15
445658107	JB HUNT TRANSPORT SERVICES INC	8,272.000	92.23	92.23	848,808.59	848,808 59	762,926.56	762,926.56	0.21	-85,882.03	-85,882.03
446413106	HUNTINGTON INGALLS INDUSTR ES	3,464.000	182.21	182.21	717,159.53	717,159 53	631,175.44	631,175.44	0.17	-85,984.09	-85,984.09
44919P508	IAC/ NTERACTIVECORP	10,464.000	179.23	179.23	1,885,335.64	1,885,335 64	1,875,462.72	1,875,462.72	0.52	-9,872.92	-9,872.92
45167R104	IDEX CORP	5,564.000	138.11	138.11	931,384.75	931,384.75	768,444.04	768,444.04	0.21	-162,940.71	-162,940.71
45168D104	IDEXX LABORATORIES INC	5,266.000	242.24	242.24	898,386.57	898,386 57	1,275,635.84	1,275,635.84	0.35	377,249.27	377,249.27
452308109	ILLINOIS TOOL WORKS INC	7,379.000	142.12	142.12	1,099,719.02	1,099,719 02	1,048,703.48	1,048,703.48	0.29	-51,015.54	-51,015.54
458140100	INTEL CORP	15,875.000	54.12	54.12	712,988.26	712,988 26	859,155.00	859,155.00	0.24	146,166.74	146,166.74
45866F104	INTERCONT NENTAL EXCHANGE NC	19,765.000	80.75	80.75	1,431,468.39	1,431,468 39	1,596,023.75	1,596,023.75	0.44	164,555.36	164,555.36
459200101	INTERNATIONAL BUS NESS MACH NE	7,455.000	110.93	110.93	1,041,324.92	1,041,324 92	826,983.15	826,983.15	0.23	-214,341.77	-214,341.77
459506101	INTERNATIONAL FLAVORS & FRAGRA	6,700.000	102.08	102.08	913,211.29	913,211 29	683,936.00	683,936.00	0.19	-229,275.29	-229,275.29
460146103	INTERNATIONAL PAPER CO	14,072.000	31.13	31.13	594,765.83	594,765 83	438,061.36	438,061.36	0.12	-156,704.47	-156,704.47
461202103	INTUIT NC	3,481.000	230.00	230.00	618,440.33	618,440 33	800,630.00	800,630.00	0.22	182,189.67	182,189.67
46266C105	IQVIA HOLDINGS INC	10,797.000	107.86	107.86	1,326,722.44	1,326,722.44	1,164,564.42	1,164,564.42	0.32	-162,158.02	-162,158.02
46625H100	JPMORGAN CHASE & CO	8,713.000	90.03	90.03	809,230.77	809,230.77	784,431.39	784,431.39	0.22	-24,799.38	-24,799.38
469814107	JACOBS ENGINEER NG GROUP INC	18,344.000	79.27	79.27	1,524,849.50	1,524,849 50	1,454,128.88	1,454,128.88	0.40	-70,720.62	-70,720.62
478160104	JOHNSON & JOHNSON	3,193.000	131.13	131.13	431,212.24	431,212 24	418,698.09	418,698.09	0.12	-12,514.15	-12,514.15
48203R104	JUNIPER NETWORKS INC	38,608.000	19.14	19.14	958,043.14	958,043.14	738,957.12	738,957.12	0.20	-219,086.02	-219,086.02
482480100	KLA CORP	11,854.000	143.74	143.74	1,441,621.30	1,441,621 30	1,703,893.96	1,703,893.96	0.47	262,272.66	262,272.66
48251W104	KKR & CO INC	8,620.000	23.47	23.47	248,634.76	248,634.76	202,311.40	202,311.40	0.06	-46,323.36	-46,323.36
485170302	KANSAS CITY SOUTHERN	15,179.000	127.18	127.18	1,708,352.85	1,708,352 85	1,930,465.22	1,930,465.22	0.53	222,112.37	222,112.37
487836108	KELLOGG CO	6,728.000	59.99	59.99	440,934.29	440,934 29	403,612.72	403,612.72	0.11	-37,321.57	-37,321.57
493267108	KEYCORP	19,232.000	10.37	10.37	326,046.10	326,046.10	199,435.84	199,435.84	0.05	-126,610.26	-126,610.26
49338L103	KEYSIGHT TECHNOLOGIES NC	10,694.000	83.68	83.68	935,164.85	935,164 85	894,873.92	894,873.92	0.25	-40,290.93	-40,290.93
494368103	KIMBERLY-CLARK CORP	9,091.000	127.87	127.87	1,161,094.49	1,161,094.49	1,162,466.17	1,162,466.17	0.32	1,371.68	1,371.68
49456B101	KINDER MORGAN NC	71,270.000	13.92	13.92	1,367,444.22	1,367,444 22	992,078.40	992,078.40	0.27	-375,365.82	-375,365.82
500255104	KOHL'S CORP	15,898.000	14.59	14.59	909,322.49	909,322.49	231,951.82	231,951.82	0.06	-677,370.67	-677,370.67
500754106	KRAFT HEINZ CO/THE	24,526.000	24.74	24.74	1,158,810.70	1,158,810.70	606,773.24	606,773.24	0.17	-552,037.46	-552,037.46
501044101	KROGER CO/THE	32,029.000	30.12	30.12	908,300.62	908,300 62	964,713.48	964,713.48	0.27	56,412.86	56,412.86
501889208	LKQ CORP	26,812.000	20.51	20.51	779,270.13	779,270.13	549,914.12	549,914.12	0.15	-229,356.01	-229,356.01
502431109	L3HARRIS TECHNOLOGIES NC	10,212.000	180.12	180.12	1,432,822.07	1,432,822 07	1,839,385.44	1,839,385.44	0.51	406,563.37	406,563.37
50540R409	LABORATORY CORP OF AMERICA HOL	11,045.000	126.39	126.39	1,605,518.87	1,605,518 87	1,395,977.55	1,395,977.55	0.38	-209,541.32	-209,541.32
512807108	LAM RESEARCH CORP	4,084.000	240.00	240.00	930,364.49	930,364.49	980,160.00	980,160.00	0.27	49,795.51	49,795.51
517834107	LAS VEGAS SANDS CORP	10,950.000	42.47	42.47	756,000.56	756,000 56	465,046.50	465,046.50	0.13	-290,954.06	-290,954.06
518439104	ESTEE LAUDER COS NC/THE	9,890.000	159.34	159.34	1,176,901.82	1,176,901 82	1,575,872.60	1,575,872.60	0.43	398,970.78	398,970.78
521865204	LEAR CORP	5,669.000	81.25	81.25	830,798.88	830,798 88	460,606.25	460,606.25	0.13	-370,192.63	-370,192.63
526057104	LENNAR CORP	37,612.000	38.20	38.20	1,883,432.87	1,883,432 87	1,436,778.40	1,436,778.40	0.40	-446,654.47	-446,654.47

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

K[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
532457108	ELI L LLY AND CO	3,984.000	138.72	138.72	402,506.85	402,506 85	552,660.48	552,660.48	0.15	150,153.63	150,153.63
534187109	LINCOLN NATIONAL CORP	10,601.000	26.32	26.32	605,727.55	605,727 55	279,018.32	279,018.32	0.08	-326,709.23	-326,709.23
540424108	LOEWS CORP	19,481.000	34.83	34.83	857,002.45	857,002.45	678,523.23	678,523.23	0.19	-178,479.22	-178,479.22
548661107	LOWE'S COS NC	8,024.000	86.05	86.05	794,407.11	794,407.11	690,465.20	690,465.20	0.19	-103,941.91	-103,941.91
550021109	LULULEMON ATHLETICA INC	6,537.000	189.55	189.55	931,187.64	931,187 64	1,239,088.35	1,239,088.35	0.34	307,900.71	307,900.71
55261F104	M&T BANK CORP	5,252.000	103.43	103.43	753,978.53	753,978 53	543,214.36	543,214.36	0.15	-210,764.17	-210,764.17
552953101	MGM RESORTS NTERNATIONAL	45,916.000	11.80	11.80	1,218,199.78	1,218,199.78	541,808.80	541,808.80	0.15	-676,390.98	-676,390.98
55354G100	MSCI INC	6,082.000	288.96	288.96	942,319.32	942,319 32	1,757,454.72	1,757,454.72	0.48	815,135.40	815,135.40
55616P104	MACY'S INC	34,764.000	4.91	4.91	1,041,147.94	1,041,147 94	170,691.24	170,691.24	0.05	-870,456.70	-870,456.70
565849106	MARATHON OIL CORP	102,138.000	3.29	3.29	1,676,617.23	1,676,617 23	336,034.02	336,034.02	0.09	-1,340,583.21	-1,340,583.21
570535104	MARKEL CORP	1,115.000	927.89	927.89	1,119,127.82	1,119,127 82	1,034,597.35	1,034,597.35	0.28	-84,530.47	-84,530.47
57060D108	MARKETAXESS HOLD NGS INC	1,915.000	332.57	332.57	679,134.27	679,134 27	636,871.55	636,871.55	0.18	-42,262.72	-42,262.72
571748102	MARSH & MCLENNAN COS INC	9,538.000	86.46	86.46	752,768.25	752,768 25	824,655.48	824,655.48	0.23	71,887.23	71,887.23
574599106	MASCO CORP	17,034.000	34.57	34.57	661,021.10	661,021.10	588,865.38	588,865.38	0.16	-72,155.72	-72,155.72
57636Q104	MASTERCARD INC	3,410.000	241.56	241.56	592,480.91	592,480 91	823,719.60	823,719.60	0.23	231,238.69	231,238.69
57772K101	MAX M INTEGRATED PRODUCTS INC	16,204.000	48.61	48.61	808,554.59	808,554 59	787,676.44	787,676.44	0.22	-20,878.15	-20,878.15
579780206	MCCORMICK & CO INC/MD	3,326.000	141.21	141.21	411,148.63	411,148 63	469,664.46	469,664.46	0.13	58,515.83	58,515.83
580135101	MCDONALD'S CORP	6,127.000	165.35	165.35	1,005,549.98	1,005,549 98	1,013,099.45	1,013,099.45	0.28	7,549.47	7,549.47
58933Y105	MERCK & CO INC	12,411.000	76.94	76.94	861,710.49	861,710.49	954,902.34	954,902.34	0.26	93,191.85	93,191.85
59156R108	METL FE NC	8,093.000	30.57	30.57	351,963.33	351,963 33	247,403.01	247,403.01	0.07	-104,560.32	-104,560.32
592688105	METTLER-TOLEDO INTERNATIONAL I	1,429.000	690.51	690.51	989,220.48	989,220.48	986,738.79	986,738.79	0.27	-2,481.69	-2,481.69
594918104	MICROSOFT CORP	6,511.000	157.71	157.71	566,087.55	566,087 55	1,026,849.81	1,026,849.81	0.28	460,762.26	460,762.26
595017104	MICROCHIP TECHNOLOGY INC	15,392.000	67.80	67.80	1,464,942.56	1,464,942 56	1,043,577.60	1,043,577.60	0.29	-421,364.96	-421,364.96
595112103	MICRON TECHNOLOGY INC	39,405.000	42.06	42.06	1,707,544.25	1,707,544 25	1,657,374.30	1,657,374.30	0.46	-50,169.95	-50,169.95
59522J103	MID-AMERICA APARTMENT COMMUNIT	10,135.000	103.03	103.03	1,092,972.52	1,092,972 52	1,044,209.05	1,044,209.05	0.29	-48,763.47	-48,763.47
608190104	MOHAWK INDUSTR ES NC	6,392.000	76.24	76.24	1,081,189.55	1,081,189 55	487,326.08	487,326.08	0.13	-593,863.47	-593,863.47
60871R209	MOLSON COORS BEVERAGE CO	11,118.000	39.01	39.01	895,594.68	895,594 68	433,713.18	433,713.18	0.12	-461,881.50	-461,881.50
609207105	MONDELEZ NTERNATIONAL INC	26,375.000	50.08	50.08	1,207,122.32	1,207,122 32	1,320,860.00	1,320,860.00	0.36	113,737.68	113,737.68
617446448	MORGAN STANLEY	10,589.000	34.00	34.00	441,297.46	441,297.46	360,026.00	360,026.00	0.10	-81,271.46	-81,271.46
61945C103	MOSAIC CO/THE	17,984.000	10.82	10.82	506,914.05	506,914 05	194,586.88	194,586.88	0.05	-312,327.17	-312,327.17
620076307	MOTOROLA SOLUTIONS NC	9,037.000	132.92	132.92	884,375.80	884,375 80	1,201,198.04	1,201,198.04	0.33	316,822.24	316,822.24
62944T105	NVR INC	373.000	2,569.11	2,569.11	1,193,165.64	1,193,165 64	958,278.03	958,278.03	0.26	-234,887.61	-234,887.61
631103108	NASDAQ NC	7,934.000	94.95	94.95	602,481.65	602,481 65	753,333.30	753,333.30	0.21	150,851.65	150,851.65
637071101	NATIONAL OILWELL VARCO NC	45,508.000	9.83	9.83	1,317,603.41	1,317,603.41	447,343.64	447,343.64	0.12	-870,259.77	-870,259.77
64110D104	NETAPP INC	7,599.000	41.69	41.69	312,069.48	312,069.48	316,802.31	316,802.31	0.09	4,732.83	4,732.83
651639106	NEWMONT CORP	51,238.000	45.28	45.28	2,070,695.74	2,070,695.74	2,320,056.64	2,320,056.64	0.64	249,360.90	249,360.90
65339F101	NEXTERA ENERGY NC	9,567.000	240.62	240.62	1,611,410.68	1,611,410 68	2,302,011.54	2,302,011.54	0.63	690,600.86	690,600.86
654106103	NIKE INC	24,664.000	82.74	82.74	1,943,288.52	1,943,288 52	2,040,699.36	2,040,699.36	0.56	97,410.84	97,410.84
65473P105	NISOURCE INC	61,496.000	24.97	24.97	1,587,630.04	1,587,630 04	1,535,555.12	1,535,555.12	0.42	-52,074.92	-52,074.92
655044105	NOBLE ENERGY NC	63,574.000	6.04	6.04	1,665,466.71	1,665,466.71	383,986.96	383,986.96	0.11	-1,281,479.75	-1,281,479.75
655844108	NORFOLK SOUTHERN CORP	6,952.000	146.00	146.00	1,047,190.20	1,047,190 20	1,014,992.00	1,014,992.00	0.28	-32,198.20	-32,198.20
668771108	NORTONLIFELOCK INC	73,773.000	18.71	18.71	1,487,411.98	1,487,411 98	1,380,292.83	1,380,292.83	0.38	-107,119.15	-107,119.15
670346105	NUCOR CORP	13,510.000	36.02	36.02	744,482.10	744,482.10	486,630.20	486,630.20	0.13	-257,851.90	-257,851.90
67103H107	O'REILLY AUTOMOTIVE INC	1,842.000	301.05	301.05	672,307.35	672,307 35	554,534.10	554,534.10	0.15	-117,773.25	-117,773.25

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
674599105	OCCIDENTAL PETROLEUM CORP	28,844.000	11.58	11.58	1,872,347.79	1,872,347.79	334,013.52	334,013.52	0.09	-1,538,334.27	-1,538,334.27
679295105	OKTA NC	6,014.000	122.26	122.26	733,860.91	733,860 91	735,271.64	735,271.64	0.20	1,410.73	1,410.73
682680103	ONEOK INC	5,987.000	21.81	21.81	433,868.74	433,868.74	130,576.47	130,576.47	0.04	-303,292.27	-303,292.27
693475105	PNC F NANCIAL SERVICES GROUP I	9,095.000	95.72	95.72	1,071,915.19	1,071,915.19	870,573.40	870,573.40	0.24	-201,341.79	-201,341.79
693506107	PPG INDUSTR ES INC	9,747.000	83.60	83.60	1,092,269.46	1,092,269.46	814,849.20	814,849.20	0.22	-277,420.26	-277,420.26
69351T106	PPL CORP	58,961.000	24.68	24.68	1,819,406.36	1,819,406 36	1,455,157.48	1,455,157.48	0.40	-364,248.88	-364,248.88
693656100	PVH CORP	9,256.000	37.64	37.64	951,377.41	951,377.41	348,395.84	348,395.84	0.10	-602,981.57	-602,981.57
695156109	PACKAG NG CORP OF AMERICA	3,826.000	86.83	86.83	407,583.48	407,583.48	332,211.58	332,211.58	0.09	-75,371.90	-75,371.90
704326107	PAYCHEX INC	10,938.000	62.92	62.92	731,234.65	731,234 65	688,218.96	688,218.96	0.19	-43,015.69	-43,015.69
70432V102	PAYCOM SOFTWARE NC	3,487.000	202.01	202.01	797,070.42	797,070.42	704,408.87	704,408.87	0.19	-92,661.55	-92,661.55
713448108	PEPSICO INC	8,020.000	120.10	120.10	964,657.34	964,657 34	963,202.00	963,202.00	0.27	-1,455.34	-1,455.34
717081103	PFIZER NC	20,396.000	32.64	32.64	783,997.01	783,997 01	665,725.44	665,725.44	0.18	-118,271.57	-118,271.57
718546104	PHILLIPS 66	25,152.000	53.65	53.65	2,452,736.73	2,452,736.73	1,349,404.80	1,349,404.80	0.37	-1,103,331.93	-1,103,331.93
723484101	PINNACLE WEST CAPITAL CORP	18,506.000	75.79	75.79	1,530,251.99	1,530,251 99	1,402,569.74	1,402,569.74	0.39	-127,682.25	-127,682.25
74144T108	T ROWE PRICE GROUP NC	2,423.000	97.65	97.65	304,936.26	304,936 26	236,605.95	236,605.95	0.07	-68,330.31	-68,330.31
74251V102	PRINCIPAL F NANCIAL GROUP INC	6,327.000	31.34	31.34	307,344.46	307,344.46	198,288.18	198,288.18	0.05	-109,056.28	-109,056.28
742718109	PROCTER & GAMBLE CO/THE	8,687.000	110.00	110.00	771,650.42	771,650.42	955,570.00	955,570.00	0.26	183,919.58	183,919.58
74340W103	PROLOGIS NC	16,479.000	80.37	80.37	1,038,174.41	1,038,174.41	1,324,417.23	1,324,417.23	0.36	286,242.82	286,242.82
744320102	PRUDENTIAL FINANCIAL INC	3,915.000	52.14	52.14	364,677.77	364,677.77	204,128.10	204,128.10	0.06	-160,549.67	-160,549.67
744573106	PUBLIC SERVICE ENTERPRISE GROU	30,636.000	44.91	44.91	1,596,983.33	1,596,983 33	1,375,862.76	1,375,862.76	0.38	-221,120.57	-221,120.57
74460D109	PUBLIC STORAGE	7,898.000	198.61	198.61	1,823,091.89	1,823,091 89	1,568,621.78	1,568,621.78	0.43	-254,470.11	-254,470.11
74736K101	QORVO NC	18,934.000	80.63	80.63	1,400,255.28	1,400,255 28	1,526,648.42	1,526,648.42	0.42	126,393.14	126,393.14
747525103	QUALCOMM NC	14,582.000	67.65	67.65	1,093,151.04	1,093,151 04	986,472.30	986,472.30	0.27	-106,678.74	-106,678.74
74834L100	QUEST DIAGNOSTICS NC	12,203.000	80.30	80.30	1,076,520.11	1,076,520.11	979,900.90	979,900.90	0.27	-96,619.21	-96,619.21
754730109	RAYMOND JAMES FINANCIAL INC	4,235.000	63.20	63.20	331,708.82	331,708 82	267,652.00	267,652.00	0.07	-64,056.82	-64,056.82
755111507	RAYTHEON CO	9,706.000	131.15	131.15	1,808,846.94	1,808,846 94	1,272,941.90	1,272,941.90	0.35	-535,905.04	-535,905.04
756109104	REALTY NCOME CORP	20,360.000	49.86	49.86	1,366,762.18	1,366,762.18	1,015,149.60	1,015,149.60	0.28	-351,612.58	-351,612.58
758849103	REGENCY CENTERS CORP	21,518.000	38.43	38.43	1,343,699.23	1,343,699 23	826,936.74	826,936.74	0.23	-516,762.49	-516,762.49
7591EP100	REGIONS F NANCIAL CORP	100,036.000	8.97	8.97	1,313,345.25	1,313,345 25	897,322.92	897,322.92	0.25	-416,022.33	-416,022.33
760759100	REPUBLIC SERVICES INC	19,787.000	75.06	75.06	1,277,592.76	1,277,592.76	1,485,212.22	1,485,212.22	0.41	207,619.46	207,619.46
761152107	RESMED INC	7,390.000	147.29	147.29	931,051.51	931,051 51	1,088,473.10	1,088,473.10	0.30	157,421.59	157,421.59
773903109	ROCKWELL AUTOMATION INC	2,197.000	150.91	150.91	320,777.99	320,777 99	331,549.27	331,549.27	0.09	10,771.28	10,771.28
776696106	ROPER TECHNOLOG ES NC	3,873.000	311.81	311.81	910,622.48	910,622.48	1,207,640.13	1,207,640.13	0.33	297,017.65	297,017.65
778296103	ROSS STORES NC	9,395.000	86.97	86.97	839,948.13	839,948.13	817,083.15	817,083.15	0.22	-22,864.98	-22,864.98
78409V104	S&P GLOBAL INC	4,801.000	245.05	245.05	861,199.90	861,199 90	1,176,485.05	1,176,485.05	0.32	315,285.15	315,285.15
78440X101	SL GREEN REALTY CORP	9,828.000	43.10	43.10	971,611.42	971,611.42	423,586.80	423,586.80	0.12	-548,024.62	-548,024.62
78467J100	SS&C TECHNOLOG ES HOLDINGS NC	5,503.000	43.82	43.82	306,738.75	306,738.75	241,141.46	241,141.46	0.07	-65,597.29	-65,597.29
79466L302	SALESFORCE.COM INC	2,657.000	143.98	143.98	365,960.95	365,960 95	382,554.86	382,554.86	0.11	16,593.91	16,593.91
806407102	HENRY SCHEIN NC	8,730.000	50.52	50.52	532,006.11	532,006.11	441,039.60	441,039.60	0.12	-90,966.51	-90,966.51
816851109	SEMPRA ENERGY	13,788.000	112.99	112.99	1,599,577.13	1,599,577.13	1,557,906.12	1,557,906.12	0.43	-41,671.01	-41,671.01
81762P102	SERVICENOW INC	3,744.000	286.58	286.58	547,586.42	547,586.42	1,072,955.52	1,072,955.52	0.30	525,369.10	525,369.10
82968B103	SIRIUS XM HOLD NGS NC	82,506.000	4.94	4.94	403,199.00	403,199 00	407,579.64	407,579.64	0.11	4,380.64	4,380.64
83088M102	SKYWORKS SOLUTIONS INC	26,601.000	89.38	89.38	2,295,662.40	2,295,662.40	2,377,597.38	2,377,597.38	0.65	81,934.98	81,934.98
832696405	JM SMUCKER CO/THE	11,577.000	111.00	111.00	1,429,768.96	1,429,768 96	1,285,047.00	1,285,047.00	0.35	-144,721.96	-144,721.96

BNY MELLON

Asset Detail

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[redacted]

As Of Date : 3/31/2020

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Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
833034101	SNAP-ON NC	7,667.000	108.82	108.82	1,213,797.77	1,213,797.77	834,322.94	834,322.94	0.23	-379,474.83	-379,474.83
842587107	SOUTHERN CO/THE	67,872.000	54.14	54.14	3,434,877.78	3,434,877.78	3,674,590.08	3,674,590.08	1.01	239,712.30	239,712.30
844741108	SOUTHWEST A RLINES CO	12,340.000	35.61	35.61	620,438.52	620,438 52	439,427.40	439,427.40	0.12	-181,011.12	-181,011.12
848637104	SPLUNK INC	7,378.000	126.23	126.23	918,277.86	918,277 86	931,324.94	931,324.94	0.26	13,047.08	13,047.08
854502101	STANLEY BLACK & DECKER INC	5,915.000	100.00	100.00	794,494.48	794,494.48	591,500.00	591,500.00	0.16	-202,994.48	-202,994.48
857477103	STATE STREET CORP	9,621.000	53.27	53.27	685,281.03	685,281 03	512,510.67	512,510.67	0.14	-172,770.36	-172,770.36
863667101	STRYKER CORP	4,361.000	166.49	166.49	632,788.60	632,788 60	726,062.89	726,062.89	0.20	93,274.29	93,274.29
866674104	SUN COMMUNITIES INC	8,554.000	124.85	124.85	1,108,281.78	1,108,281.78	1,067,966.90	1,067,966.90	0.29	-40,314.88	-40,314.88
871607107	SYNOPSYS INC	13,360.000	128.79	128.79	1,089,883.70	1,089,883.70	1,720,634.40	1,720,634.40	0.47	630,750.70	630,750.70
87165B103	SYNCHRONY FINANCIAL	16,628.000	16.09	16.09	571,053.51	571,053 51	267,544.52	267,544.52	0.07	-303,508.99	-303,508.99
871829107	SYSCO CORP	24,672.000	45.63	45.63	1,561,062.50	1,561,062 50	1,125,783.36	1,125,783.36	0.31	-435,279.14	-435,279.14
872540109	TJX COS NC/THE	47,453.000	47.81	47.81	2,365,428.22	2,365,428 22	2,268,727.93	2,268,727.93	0.62	-96,700.29	-96,700.29
872590104	T-MOBILE US NC	24,849.000	83.90	83.90	1,463,571.46	1,463,571.46	2,084,831.10	2,084,831.10	0.57	621,259.64	621,259.64
876030107	TAPESTRY INC	33,901.000	12.95	12.95	1,281,051.28	1,281,051 28	439,017.95	439,017.95	0.12	-842,033.33	-842,033.33
87612E106	TARGET CORP	25,451.000	92.97	92.97	1,876,069.96	1,876,069 96	2,366,179.47	2,366,179.47	0.65	490,109.51	490,109.51
87612G101	TARGA RESOURCES CORP	21,043.000	6.91	6.91	867,217.69	867,217 69	145,407.13	145,407.13	0.04	-721,810.56	-721,810.56
882508104	TEXAS INSTRUMENTS NC	10,998.000	99.93	99.93	1,028,598.06	1,028,598 06	1,099,030.14	1,099,030.14	0.30	70,432.08	70,432.08
883203101	TEXTRON INC	19,158.000	26.67	26.67	964,719.75	964,719.75	510,943.86	510,943.86	0.14	-453,775.89	-453,775.89
883556102	THERMO FISHER SCIENT FIC NC	4,326.000	283.60	283.60	883,234.88	883,234 88	1,226,853.60	1,226,853.60	0.34	343,618.72	343,618.72
88579Y101	3M CO	2,305.000	136.51	136.51	419,757.17	419,757.17	314,655.55	314,655.55	0.09	-105,101.62	-105,101.62
886547108	T FFANY & CO	16,067.000	129.50	129.50	1,537,731.40	1,537,731.40	2,080,676.50	2,080,676.50	0.57	542,945.10	542,945.10
892356106	TRACTOR SUPPLY CO	7,664.000	84.55	84.55	633,126.55	633,126 55	647,991.20	647,991.20	0.18	14,864.65	14,864.65
89417E109	TRAVELERS COS NC/THE	6,192.000	99.35	99.35	790,468.48	790,468.48	615,175.20	615,175.20	0.17	-175,293.28	-175,293.28
89832Q109	TRUIST F NANCIAL CORP	14,806.000	30.84	30.84	659,536.62	659,536 62	456,617.04	456,617.04	0.13	-202,919.58	-202,919.58
90138F102	TWILIO INC	6,382.000	89.49	89.49	860,529.20	860,529 20	571,125.18	571,125.18	0.16	-289,404.02	-289,404.02
902494103	TYSON FOODS INC	31,293.000	57.87	57.87	2,275,799.62	2,275,799 62	1,810,925.91	1,810,925.91	0.50	-464,873.71	-464,873.71
902653104	UDR INC	23,508.000	36.54	36.54	955,148.82	955,148 82	858,982.32	858,982.32	0.24	-96,166.50	-96,166.50
902973304	US BANCORP	16,582.000	34.45	34.45	799,952.53	799,952 53	571,249.90	571,249.90	0.16	-228,702.63	-228,702.63
90384S303	ULTA BEAUTY INC	3,810.000	175.70	175.70	974,782.65	974,782 65	669,417.00	669,417.00	0.18	-305,365.65	-305,365.65
907818108	UNION PACIFIC CORP	6,530.000	141.04	141.04	892,329.36	892,329 36	920,991.20	920,991.20	0.25	28,661.84	28,661.84
913017109	UNITED TECHNOLOG ES CORP	8,206.000	94.33	94.33	942,125.51	942,125 51	774,071.98	774,071.98	0.21	-168,053.53	-168,053.53
91324P102	UNITEDHEALTH GROUP NC	1,792.000	249.38	249.38	351,483.11	351,483.11	446,888.96	446,888.96	0.12	95,405.85	95,405.85
913903100	UNIVERSAL HEALTH SERVICES INC	10,199.000	99.08	99.08	1,285,576.24	1,285,576 24	1,010,516.92	1,010,516.92	0.28	-275,059.32	-275,059.32
91529Y106	UNUM GROUP	25,177.000	15.01	15.01	873,958.73	873,958.73	377,906.77	377,906.77	0.10	-496,051.96	-496,051.96
918204108	VF CORP	19,109.000	54.08	54.08	1,466,087.86	1,466,087 86	1,033,414.72	1,033,414.72	0.28	-432,673.14	-432,673.14
91913Y100	VALERO ENERGY CORP	20,904.000	45.36	45.36	1,674,646.11	1,674,646.11	948,205.44	948,205.44	0.26	-726,440.67	-726,440.67
92220P105	VARIAN MEDICAL SYSTEMS INC	2,666.000	102.66	102.66	256,672.08	256,672 08	273,691.56	273,691.56	0.08	17,019.48	17,019.48
922475108	VEEVA SYSTEMS NC	4,960.000	156.37	156.37	538,043.72	538,043.72	775,595.20	775,595.20	0.21	237,551.48	237,551.48
92343E102	VERISIGN INC	8,303.000	180.09	180.09	1,235,793.34	1,235,793 34	1,495,287.27	1,495,287.27	0.41	259,493.93	259,493.93
92343V104	VERIZON COMMUNICATIONS INC	16,299.000	53.73	53.73	896,944.82	896,944 82	875,745.27	875,745.27	0.24	-21,199.55	-21,199.55
92345Y106	VERISK ANALYTICS INC	9,545.000	139.38	139.38	988,950.26	988,950 26	1,330,382.10	1,330,382.10	0.37	341,431.84	341,431.84
92556H206	VIACOMCBS INC	7,151.000	14.01	14.01	327,674.93	327,674 93	100,185.51	100,185.51	0.03	-227,489.42	-227,489.42
92826C839	VISA INC	5,559.000	161.12	161.12	671,088.10	671,088.10	895,666.08	895,666.08	0.25	224,577.98	224,577.98
928563402	VMWARE INC	1,797.000	121.10	121.10	304,119.28	304,119 28	217,616.70	217,616.70	0.06	-86,502.58	-86,502.58

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
929042109	VORNADO REALTY TRUST	5,947.000	36.21	36.21	369,239.46	369,239.46	215,340.87	215,340.87	0.06	-153,898.59	-153,898.59
92936U109	WP CAREY INC	17,489.000	58.08	58.08	1,392,987.88	1,392,987 88	1,015,761.12	1,015,761.12	0.28	-377,226.76	-377,226.76
92939U106	WEC ENERGY GROUP NC	31,744.000	88.13	88.13	2,186,865.96	2,186,865 96	2,797,598.72	2,797,598.72	0.77	610,732.76	610,732.76
931142103	WALMART INC	25,883.000	113.62	113.62	2,256,703.66	2,256,703 66	2,940,826.46	2,940,826.46	0.81	684,122.80	684,122.80
931427108	WALGREENS BOOTS ALLIANCE NC	11,403.000	45.75	45.75	782,240.34	782,240 34	521,687.25	521,687.25	0.14	-260,553.09	-260,553.09
94106L109	WASTE MANAGEMENT INC	8,751.000	92.56	92.56	722,432.55	722,432 55	809,992.56	809,992.56	0.22	87,560.01	87,560.01
941848103	WATERS CORP	1,597.000	182.05	182.05	283,141.85	283,141 85	290,733.85	290,733.85	0.08	7,592.00	7,592.00
949746101	WELLS FARGO & CO	22,427.000	28.70	28.70	1,020,983.71	1,020,983.71	643,654.90	643,654.90	0.18	-377,328.81	-377,328.81
95040Q104	WELLTOWER INC	23,727.000	45.78	45.78	1,723,632.70	1,723,632.70	1,086,222.06	1,086,222.06	0.30	-637,410.64	-637,410.64
958102105	WESTERN DIGITAL CORP	29,355.000	41.62	41.62	1,490,190.70	1,490,190.70	1,221,755.10	1,221,755.10	0.34	-268,435.60	-268,435.60
959802109	WESTERN UNION CO/THE	33,532.000	18.13	18.13	747,760.22	747,760 22	607,935.16	607,935.16	0.17	-139,825.06	-139,825.06
96145D105	WESTROCK CO	16,160.000	28.26	28.26	727,954.71	727,954.71	456,681.60	456,681.60	0.13	-271,273.11	-271,273.11
962166104	WEYERHAEUSER CO	10,147.000	16.95	16.95	289,856.62	289,856 62	171,991.65	171,991.65	0.05	-117,864.97	-117,864.97
963320106	WH RLPOOL CORP	7,808.000	85.80	85.80	1,130,873.83	1,130,873 83	669,926.40	669,926.40	0.18	-460,947.43	-460,947.43
969457100	W LLIAMS COS NC/THE	14,873.000	14.15	14.15	394,601.11	394,601.11	210,452.95	210,452.95	0.06	-184,148.16	-184,148.16
983134107	WYNN RESORTS LTD	7,642.000	60.19	60.19	887,441.70	887,441.70	459,971.98	459,971.98	0.13	-427,469.72	-427,469.72
98389B100	XCEL ENERGY INC	31,541.000	60.30	60.30	1,498,518.94	1,498,518 94	1,901,922.30	1,901,922.30	0.52	403,403.36	403,403.36
98419M100	XYLEM NC/NY	15,543.000	65.13	65.13	894,264.60	894,264 60	1,012,315.59	1,012,315.59	0.28	118,050.99	118,050.99
988498101	YUM! BRANDS INC	14,602.000	68.53	68.53	1,203,695.34	1,203,695 34	1,000,675.06	1,000,675.06	0.28	-203,020.28	-203,020.28
98956P102	Z MMER BIOMET HOLDINGS INC	5,565.000	101.08	101.08	708,019.38	708,019 38	562,510.20	562,510.20	0.15	-145,509.18	-145,509.18
989701107	ZIONS BANCORP NA	13,726.000	26.76	26.76	641,386.23	641,386 23	367,307.76	367,307.76	0.10	-274,078.47	-274,078.47
98978V103	ZOETIS INC	7,769.000	117.69	117.69	540,816.74	540,816.74	914,333.61	914,333.61	0.25	373,516.87	373,516.87
FHB903208	MARRIOTT NTERNATIONAL	84,973.000	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00
G0177J108	ALLERGAN PLC	3,262.000	177.10	177.10	611,282.59	611,282 59	577,700.20	577,700.20	0.16	-33,582.39	-33,582.39
G02602103	AMDOCS LTD	16,746.000	54.97	54.97	971,085.13	971,085.13	920,527.62	920,527.62	0.25	-50,557.51	-50,557.51
G0408V102	AON PLC/UK	4,746.000	165.04	165.04	652,019.09	652,019 09	783,279.84	783,279.84	0.22	131,260.75	131,260.75
G0450A105	ARCH CAPITAL GROUP LTD	50,675.000	28.46	28.46	1,332,326.97	1,332,326 97	1,442,210.50	1,442,210.50	0.40	109,883.53	109,883.53
G1151C101	ACCENTURE PLC	4,970.000	163.26	163.26	771,473.63	771,473 63	811,402.20	811,402.20	0.22	39,928.57	39,928.57
G16962105	BUNGE LTD	23,088.000	41.03	41.03	1,375,708.16	1,375,708.16	947,300.64	947,300.64	0.26	-428,407.52	-428,407.52
G29183103	EATON CORP PLC	16,312.000	77.69	77.69	1,271,580.71	1,271,580.71	1,267,279.28	1,267,279.28	0.35	-4,301.43	-4,301.43
G3223R108	EVEREST RE GROUP LTD	4,968.000	192.42	192.42	1,068,940.03	1,068,940 03	955,942.56	955,942.56	0.26	-112,997.47	-112,997.47
G47567105	IHS MARKIT LTD	27,813.000	60.00	60.00	1,348,800.13	1,348,800.13	1,668,780.00	1,668,780.00	0.46	319,979.87	319,979.87
G51502105	JOHNSON CONTROLS INTERNATIONAL	20,255.000	26.96	26.96	726,853.67	726,853 67	546,074.80	546,074.80	0.15	-180,778.87	-180,778.87
G5494J103	LINDE PLC	9,241.000	173.00	173.00	1,822,022.26	1,822,022 26	1,598,693.00	1,598,693.00	0.44	-223,329.26	-223,329.26
G5876H105	MARVELL TECHNOLOGY GROUP LTD	71,991.000	22.63	22.63	1,507,511.59	1,507,511 59	1,629,156.33	1,629,156.33	0.45	121,644.74	121,644.74
G5960L103	MEDTRONIC PLC	9,033.000	90.18	90.18	773,231.28	773,231 28	814,595.94	814,595.94	0.22	41,364.66	41,364.66
G6095L109	APTIV PLC	5,108.000	49.24	49.24	455,443.72	455,443.72	251,517.92	251,517.92	0.07	-203,925.80	-203,925.80
G6518L108	NIELSEN HOLD NGS PLC	19,933.000	12.54	12.54	671,086.10	671,086.10	249,959.82	249,959.82	0.07	-421,126.28	-421,126.28
G66721104	NORWEGIAN CRUISE LINE HOLD NGS	15,568.000	10.96	10.96	754,447.11	754,447.11	170,625.28	170,625.28	0.05	-583,821.83	-583,821.83
G7945M107	SEAGATE TECHNOLOGY PLC	18,973.000	48.80	48.80	978,174.86	978,174 86	925,882.40	925,882.40	0.25	-52,292.46	-52,292.46
G8473T100	STERIS PLC	9,236.000	139.97	139.97	1,341,383.25	1,341,383 25	1,292,762.92	1,292,762.92	0.36	-48,620.33	-48,620.33
G8994E103	TRANE TECHNOLOG ES PLC	13,790.000	82.59	82.59	979,558.26	979,558 26	1,138,916.10	1,138,916.10	0.31	159,357.84	159,357.84
G96629103	W LLIS TOWERS WATSON PLC	7,042.000	169.85	169.85	1,012,006.49	1,012,006.49	1,196,083.70	1,196,083.70	0.33	184,077.21	184,077.21
G97822103	PERRIGO CO PLC	18,235.000	48.09	48.09	1,105,442.83	1,105,442 83	876,921.15	876,921.15	0.24	-228,521.68	-228,521.68

BNY MELLON

Asset Detail

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base	
	H1467J104	CHUBB LTD	10,513.000	111.69	111.69	1,445,918.08	1,445,918 08	1,174,196.97	1,174,196.97	0.32	-271,721.11	-271,721.11	
	H84989104	TE CONNECTIVITY LTD	12,480.000	62.98	62.98	1,033,666.27	1,033,666 27	785,990.40	785,990.40	0.22	-247,675.87	-247,675.87	
	M22465104	CHECK POINT SOFTWARE TECHNOLOG	17,113.000	100.54	100.54	1,691,789.91	1,691,789 91	1,720,541.02	1,720,541.02	0.47	28,751.11	28,751.11	
	N59465109	MYLAN NV	16,113.000	14.91	14.91	301,430.41	301,430.41	240,244.83	240,244.83	0.07	-61,185.58	-61,185.58	
	V7780T103	ROYAL CARIBBEAN CRUISES LTD	8,118.000	32.17	32.17	799,277.58	799,277 58	261,156.06	261,156.06	0.07	-538,121.52	-538,121.52	

BNY MELLON

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**1,120,606,612.**		**1,466,292,915.**	**100.00**		**345,686,302...**
CASH & CASH EQUIVALENTS							**2,834,288.40**		**2,834,288.40**	**0.19**		**0.00**
U.S. DOLLAR						**2,834,288.40**	**2,834,288.40**	**2,834,288.40**	**2,834,288.40**	**0.19**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	1,374,588.360	1.00	1.00	1,374,588.36	1,374,588 36	1,374,588.36	1,374,588.36	0.09	0.00	0.00
		CASH	0.000	1.00	1.00	7,966.04	7,966 04	7,966.04	7,966.04	0.00	0.00	0.00
		DIVIDENDS RECEIVABLE	0.000	1.00	1.00	1,441,316.15	1,441,316.15	1,441,316.15	1,441,316.15	0.10	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	1,167.19	1,167.19	1,167.19	1,167.19	0.00	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	11,815.59	11,815 59	11,815.59	11,815.59	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-1,628.83	-1,628 83	-1,628.83	-1,628.83	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	-936.10	-936.10	-936.10	-936.10	0.00	0.00	0.00
EQUITY							**1,117,772,324.**		**1,463,458,627.**	**99.81**		**345,686,302...**
U.S. DOLLAR						**1,117,772,324.**	**1,117,772,324.**	**1,463,458,627.**	**1,463,458,627.**	**99.81**	**345,686,302.73**	**345,686,302...**
	001055102	AFLAC NC	50,130.000	34.24	34.24	1,388,427.99	1,388,427 99	1,716,451.20	1,716,451.20	0.12	328,023.21	328,023.21
	00130H105	AES CORP/THE	45,341.000	13.60	13.60	688,172.60	688,172 60	616,637.60	616,637.60	0.04	-71,535.00	-71,535.00
	00206R102	AT&T NC	498,900.000	29.15	29.15	13,978,197.23	13,978,197 23	14,542,935.00	14,542,935.00	0.99	564,737.77	564,737.77
	002824100	ABBOTT LABORATORIES	120,706.000	78.91	78.91	5,527,146.77	5,527,146.77	9,524,910.46	9,524,910.46	0.65	3,997,763.69	3,997,763.69
	00287Y109	ABBV E INC	100,997.000	76.19	76.19	4,868,905.52	4,868,905 52	7,694,961.43	7,694,961.43	0.52	2,826,055.91	2,826,055.91
	003654100	ABIOMED INC	3,084.000	145.16	145.16	1,038,939.72	1,038,939.72	447,673.44	447,673.44	0.03	-591,266.28	-591,266.28
	00507V109	ACTIVISION BLIZZARD NC	52,469.000	59.48	59.48	2,372,850.14	2,372,850.14	3,120,856.12	3,120,856.12	0.21	748,005.98	748,005.98
	00724F101	ADOBE INC	33,060.000	318.24	318.24	4,747,940.30	4,747,940 30	10,521,014.40	10,521,014.40	0.72	5,773,074.10	5,773,074.10
	00751Y106	ADVANCE AUTO PARTS INC	4,730.000	93.32	93.32	729,034.16	729,034.16	441,403.60	441,403.60	0.03	-287,630.56	-287,630.56
	007903107	ADVANCED MICRO DEVICES INC	79,883.000	45.48	45.48	2,208,283.37	2,208,283 37	3,633,078.84	3,633,078.84	0.25	1,424,795.47	1,424,795.47
	00846U101	AG LENT TECHNOLOG ES INC	21,135.000	71.62	71.62	886,189.10	886,189.10	1,513,688.70	1,513,688.70	0.10	627,499.60	627,499.60
	009158106	AIR PRODUCTS AND CHEMICALS INC	15,055.000	199.61	199.61	2,064,829.76	2,064,829.76	3,005,128.55	3,005,128.55	0.20	940,298.79	940,298.79
	00971T101	AKAMAI TECHNOLOG ES INC	11,037.000	91.49	91.49	616,775.95	616,775 95	1,009,775.13	1,009,775.13	0.07	392,999.18	392,999.18
	011659109	ALASKA A R GROUP INC	8,412.000	28.47	28.47	474,592.31	474,592 31	239,489.64	239,489.64	0.02	-235,102.67	-235,102.67
	012653101	ALBEMARLE CORP	7,242.000	56.37	56.37	567,294.88	567,294 88	408,231.54	408,231.54	0.03	-159,063.34	-159,063.34
	015271109	ALEXANDRIA REAL ESTATE EQUIT E	8,373.000	137.06	137.06	1,086,782.80	1,086,782 80	1,147,603.38	1,147,603.38	0.08	60,820.58	60,820.58
	015351109	ALEXION PHARMACEUTICALS INC	15,113.000	89.79	89.79	1,708,896.76	1,708,896.76	1,356,996.27	1,356,996.27	0.09	-351,900.49	-351,900.49
	016255101	ALIGN TECHNOLOGY NC	4,898.000	173.95	173.95	1,504,703.92	1,504,703 92	852,007.10	852,007.10	0.06	-652,696.82	-652,696.82
	018581108	ALLIANCE DATA SYSTEMS CORP	2,799.000	33.65	33.65	555,494.52	555,494 52	94,186.35	94,186.35	0.01	-461,308.17	-461,308.17
	018802108	ALLIANT ENERGY CORP	16,415.000	48.29	48.29	715,815.11	715,815.11	792,680.35	792,680.35	0.05	76,865.24	76,865.24
	020002101	ALLSTATE CORP/THE	22,125.000	91.73	91.73	1,179,732.05	1,179,732 05	2,029,526.25	2,029,526.25	0.14	849,794.20	849,794.20
	02079K107	ALPHABET NC-CL C	20,413.000	1,162.81	1,162.81	15,010,622.83	15,010,622 83	23,736,440.53	23,736,440.53	1.62	8,725,817.70	8,725,817.70
	02079K305	ALPHABET NC-CL A	20,463.000	1,161.95	1,161.95	14,520,297.71	14,520,297.71	23,776,982.85	23,776,982.85	1.62	9,256,685.14	9,256,685.14
	02209S103	ALTRIA GROUP INC	127,585.000	38.67	38.67	4,689,355.35	4,689,355 35	4,933,711.95	4,933,711.95	0.34	244,356.60	244,356.60
	023135106	AMAZON.COM NC	28,443.000	1,949.72	1,949.72	27,391,608.52	27,391,608 52	55,455,885.96	55,455,885.96	3.78	28,064,277.44	28,064,277.44
	023608102	AMEREN CORP	16,803.000	72.83	72.83	929,493.16	929,493.16	1,223,762.49	1,223,762.49	0.08	294,269.33	294,269.33
	02376R102	AMERICAN AIRLINES GROUP INC	26,627.000	12.19	12.19	1,094,223.71	1,094,223.71	324,583.13	324,583.13	0.02	-769,640.58	-769,640.58
	025537101	AMERICAN ELECTRIC POWER CO INC	33,735.000	79.98	79.98	2,063,278.96	2,063,278 96	2,698,125.30	2,698,125.30	0.18	634,846.34	634,846.34
	025816109	AMERICAN EXPRESS CO	45,825.000	85.61	85.61	2,901,605.97	2,901,605 97	3,923,078.25	3,923,078.25	0.27	1,021,472.28	1,021,472.28

BNY MELLON

Asset Detail

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026874784	AMERICAN INTERNATIONAL GROUP I	59,414.000	24.25	24.25	5,718,699.97	5,718,699 97	1,440,789.50	1,440,789.50	0.10	-4,277,910.47	-4,277,910.47
03027X100	AMERICAN TOWER CORP	30,251.000	217.75	217.75	3,967,702.12	3,967,702.12	6,587,155.25	6,587,155.25	0.45	2,619,453.13	2,619,453.13
030420103	AMERICAN WATER WORKS CO INC	12,346.000	119.56	119.56	1,105,168.44	1,105,168.44	1,476,087.76	1,476,087.76	0.10	370,919.32	370,919.32
03073E105	AMERISOURCEBERGEN CORP	10,266.000	88.50	88.50	719,923.07	719,923 07	908,541.00	908,541.00	0.06	188,617.93	188,617.93
03076C106	AMERIPRISE FINANCIAL INC	8,653.000	102.48	102.48	683,979.42	683,979.42	886,759.44	886,759.44	0.06	202,780.02	202,780.02
031100100	AMETEK INC	15,612.000	72.02	72.02	949,958.56	949,958 56	1,124,376.24	1,124,376.24	0.08	174,417.68	174,417.68
031162100	AMGEN INC	40,580.000	202.73	202.73	4,670,215.83	4,670,215 83	8,226,783.40	8,226,783.40	0.56	3,556,567.57	3,556,567.57
032095101	AMPHENOL CORP	20,249.000	72.88	72.88	1,079,984.69	1,079,984 69	1,475,747.12	1,475,747.12	0.10	395,762.43	395,762.43
032654105	ANALOG DEVICES INC	25,153.000	89.65	89.65	1,904,602.95	1,904,602 95	2,254,966.45	2,254,966.45	0.15	350,363.50	350,363.50
03662Q105	ANSYS NC	5,845.000	232.47	232.47	950,267.48	950,267.48	1,358,787.15	1,358,787.15	0.09	408,519.67	408,519.67
036752103	ANTHEM NC	17,317.000	227.04	227.04	2,488,496.05	2,488,496 05	3,931,651.68	3,931,651.68	0.27	1,443,155.63	1,443,155.63
037411105	APACHE CORP	25,682.000	4.18	4.18	804,850.49	804,850.49	107,350.76	107,350.76	0.01	-697,499.73	-697,499.73
03748R754	APARTMENT INVESTMENT AND MANAG	10,168.000	35.15	35.15	379,671.96	379,671 96	357,405.20	357,405.20	0.02	-22,266.76	-22,266.76
037833100	APPLE NC	285,248.000	254.29	254.29	32,549,212.37	32,549,212 37	72,535,713.92	72,535,713.92	4.95	39,986,501.55	39,986,501.55
038222105	APPLIED MATERIALS INC	63,088.000	45.82	45.82	1,706,735.88	1,706,735 88	2,890,692.16	2,890,692.16	0.20	1,183,956.28	1,183,956.28
039483102	ARCHER-DAN ELS-M DLAND CO	38,019.000	35.18	35.18	1,259,295.57	1,259,295 57	1,337,508.42	1,337,508.42	0.09	78,212.85	78,212.85
03965L100	ARCONIC INC	26,455.000	16.06	16.06	740,037.30	740,037 30	424,867.30	424,867.30	0.03	-315,170.00	-315,170.00
040413106	ARISTA NETWORKS INC	3,705.000	202.55	202.55	920,045.12	920,045.12	750,447.75	750,447.75	0.05	-169,597.37	-169,597.37
04621X108	ASSURANT INC	4,141.000	104.09	104.09	316,777.94	316,777 94	431,036.69	431,036.69	0.03	114,258.75	114,258.75
049560105	ATMOS ENERGY CORP	8,151.000	99.23	99.23	840,442.21	840,442 21	808,823.73	808,823.73	0.06	-31,618.48	-31,618.48
052769106	AUTODESK INC	15,027.000	156.10	156.10	1,396,918.06	1,396,918 06	2,345,714.70	2,345,714.70	0.16	948,796.64	948,796.64
053015103	AUTOMATIC DATA PROCESSING NC	29,551.000	136.68	136.68	2,574,603.58	2,574,603 58	4,039,030.68	4,039,030.68	0.28	1,464,427.10	1,464,427.10
053332102	AUTOZONE NC	1,627.000	846.00	846.00	1,035,210.73	1,035,210.73	1,376,442.00	1,376,442.00	0.09	341,231.27	341,231.27
053484101	AVALONBAY COMMUNITIES NC	9,538.000	147.17	147.17	1,543,685.25	1,543,685 25	1,403,707.46	1,403,707.46	0.10	-139,977.79	-139,977.79
053611109	AVERY DENNISON CORP	5,703.000	101.87	101.87	392,050.43	392,050.43	580,964.61	580,964.61	0.04	188,914.18	188,914.18
05722G100	BAKER HUGHES CO	44,383.000	10.50	10.50	1,265,647.29	1,265,647 29	466,021.50	466,021.50	0.03	-799,625.79	-799,625.79
058498106	BALL CORP	22,342.000	64.66	64.66	943,399.86	943,399 86	1,444,633.72	1,444,633.72	0.10	501,233.86	501,233.86
060505104	BANK OF AMERICA CORP	552,894.000	21.23	21.23	11,576,044.63	11,576,044 63	11,737,939.62	11,737,939.62	0.80	161,894.99	161,894.99
064058100	BANK OF NEW YORK MELLON CORP/T	57,314.000	33.68	33.68	2,026,492.01	2,026,492 01	1,930,335.52	1,930,335.52	0.13	-96,156.49	-96,156.49
071813109	BAXTER INTERNATIONAL NC	34,869.000	81.19	81.19	1,717,750.27	1,717,750 27	2,831,014.11	2,831,014.11	0.19	1,113,263.84	1,113,263.84
075887109	BECTON DICK NSON AND CO	18,471.000	229.77	229.77	3,140,875.65	3,140,875 65	4,244,081.67	4,244,081.67	0.29	1,103,206.02	1,103,206.02
084423102	WR BERKLEY CORP	9,910.000	52.17	52.17	667,492.73	667,492.73	517,004.70	517,004.70	0.04	-150,488.03	-150,488.03
084670702	BERKSHIRE HATHAWAY INC	133,589.000	182.83	182.83	19,326,842.36	19,326,842 36	24,424,076.87	24,424,076.87	1.67	5,097,234.51	5,097,234.51
086516101	BEST BUY CO NC	15,553.000	57.00	57.00	708,456.36	708,456 36	886,521.00	886,521.00	0.06	178,064.64	178,064.64
09062X103	BIOGEN NC	12,323.000	316.38	316.38	2,213,458.94	2,213,458 94	3,898,750.74	3,898,750.74	0.27	1,685,291.80	1,685,291.80
09247X101	BLACKROCK INC	8,054.000	439.97	439.97	2,658,298.01	2,658,298 01	3,543,518.38	3,543,518.38	0.24	885,220.37	885,220.37
093671105	H&R BLOCK INC	13,334.000	14.08	14.08	278,260.63	278,260 63	187,742.72	187,742.72	0.01	-90,517.91	-90,517.91
097023105	BOE NG CO/THE	36,514.000	149.14	149.14	5,630,997.10	5,630,997.10	5,445,697.96	5,445,697.96	0.37	-185,299.14	-185,299.14
09857L108	BOOKING HOLDINGS INC	2,859.000	1,345.32	1,345.32	2,581,634.64	2,581,634 64	3,846,269.88	3,846,269.88	0.26	1,264,635.24	1,264,635.24
099724106	BORGWARNER NC	14,103.000	24.37	24.37	463,618.76	463,618.76	343,690.11	343,690.11	0.02	-119,928.65	-119,928.65
101121101	BOSTON PROPERT ES NC	9,821.000	92.23	92.23	1,164,572.34	1,164,572 34	905,790.83	905,790.83	0.06	-258,781.51	-258,781.51
101137107	BOSTON SCIENT FIC CORP	95,192.000	32.63	32.63	2,222,895.26	2,222,895 26	3,106,114.96	3,106,114.96	0.21	883,219.70	883,219.70
110122108	BRISTOL-MYERS SQUIBB CO	160,098.000	55.74	55.74	7,679,191.31	7,679,191 31	8,923,862.52	8,923,862.52	0.61	1,244,671.21	1,244,671.21
11133T103	BROADRIDGE FINANCIAL SOLUTIONS	7,830.000	94.83	94.83	875,443.23	875,443 23	742,518.90	742,518.90	0.05	-132,924.33	-132,924.33

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
11135F101	BROADCOM NC	27,091.000	237.10	237.10	4,654,353.78	4,654,353.78	6,423,276.10	6,423,276.10	0.44	1,768,922.32	1,768,922.32
115637209	BROWN-FORMAN CORP	12,443.000	55.51	55.51	515,858.29	515,858 29	690,710.93	690,710.93	0.05	174,852.64	174,852.64
12503M108	CBOE GLOBAL MARKETS INC	7,571.000	89.25	89.25	731,441.29	731,441 29	675,711.75	675,711.75	0.05	-55,729.54	-55,729.54
12504L109	CBRE GROUP NC	22,862.000	37.71	37.71	839,926.85	839,926 85	862,126.02	862,126.02	0.06	22,199.17	22,199.17
12514G108	CDW CORP/DE	9,813.000	93.27	93.27	1,152,582.95	1,152,582 95	915,258.51	915,258.51	0.06	-237,324.44	-237,324.44
125269100	CF NDUSTRIES HOLD NGS INC	14,850.000	27.20	27.20	511,939.57	511,939 57	403,920.00	403,920.00	0.03	-108,019.57	-108,019.57
12541W209	CH ROBINSON WORLDWIDE INC	9,237.000	66.20	66.20	560,282.77	560,282.77	611,489.40	611,489.40	0.04	51,206.63	51,206.63
125523100	CIGNA CORP	25,503.000	177.18	177.18	3,348,708.74	3,348,708.74	4,518,621.54	4,518,621.54	0.31	1,169,912.80	1,169,912.80
12572Q105	CME GROUP INC	24,475.000	172.91	172.91	2,921,925.63	2,921,925 63	4,231,972.25	4,231,972.25	0.29	1,310,046.62	1,310,046.62
125896100	CMS ENERGY CORP	19,385.000	58.75	58.75	813,191.19	813,191.19	1,138,868.75	1,138,868.75	0.08	325,677.56	325,677.56
126408103	CSX CORP	53,109.000	57.30	57.30	1,867,963.79	1,867,963.79	3,043,145.70	3,043,145.70	0.21	1,175,181.91	1,175,181.91
126650100	CVS HEALTH CORP	88,850.000	59.33	59.33	5,235,846.50	5,235,846 50	5,271,470.50	5,271,470.50	0.36	35,624.00	35,624.00
127097103	CABOT O L & GAS CORP	27,860.000	17.19	17.19	483,176.69	483,176 69	478,913.40	478,913.40	0.03	-4,263.29	-4,263.29
127387108	CADENCE DESIGN SYSTEMS INC	19,163.000	66.04	66.04	990,920.98	990,920 98	1,265,524.52	1,265,524.52	0.09	274,603.54	274,603.54
134429109	CAMPBELL SOUP CO	11,537.000	46.16	46.16	503,952.78	503,952.78	532,547.92	532,547.92	0.04	28,595.14	28,595.14
14040H105	CAPITAL ONE F NANCIAL CORP	31,807.000	50.42	50.42	1,986,238.15	1,986,238.15	1,603,708.94	1,603,708.94	0.11	-382,529.21	-382,529.21
14149Y108	CARD NAL HEALTH INC	19,976.000	47.94	47.94	948,746.62	948,746 62	957,649.44	957,649.44	0.07	8,902.82	8,902.82
143130102	CARMAX INC	11,230.000	53.83	53.83	475,512.50	475,512 50	604,510.90	604,510.90	0.04	128,998.40	128,998.40
143658300	CARNIVAL CORP	27,357.000	13.17	13.17	1,082,514.76	1,082,514.76	360,291.69	360,291.69	0.02	-722,223.07	-722,223.07
149123101	CATERPILLAR INC	37,744.000	116.04	116.04	2,979,502.43	2,979,502.43	4,379,813.76	4,379,813.76	0.30	1,400,311.33	1,400,311.33
150870103	CELANESE CORP	8,255.000	73.39	73.39	805,619.96	805,619 96	605,834.45	605,834.45	0.04	-199,785.51	-199,785.51
15135B101	CENTENE CORP	39,872.000	59.41	59.41	1,977,411.31	1,977,411 31	2,368,795.52	2,368,795.52	0.16	391,384.21	391,384.21
15189T107	CENTERPOINT ENERGY INC	34,301.000	15.45	15.45	708,654.83	708,654 83	529,950.45	529,950.45	0.04	-178,704.38	-178,704.38
156700106	CENTURYLINK NC	67,012.000	9.46	9.46	1,410,547.43	1,410,547.43	633,933.52	633,933.52	0.04	-776,613.91	-776,613.91
156782104	CERNER CORP	21,451.000	62.99	62.99	1,032,650.22	1,032,650 22	1,351,198.49	1,351,198.49	0.09	318,548.27	318,548.27
16119P108	CHARTER COMMUNICATIONS NC	10,708.000	436.31	436.31	3,539,847.62	3,539,847 62	4,672,007.48	4,672,007.48	0.32	1,132,159.86	1,132,159.86
166764100	CHEVRON CORP	129,138.000	72.46	72.46	8,907,947.84	8,907,947 84	9,357,339.48	9,357,339.48	0.64	449,391.64	449,391.64
169656105	CH POTLE MEXICAN GRILL INC	1,746.000	654.40	654.40	763,762.85	763,762 85	1,142,582.40	1,142,582.40	0.08	378,819.55	378,819.55
171340102	CHURCH & DWIGHT CO INC	16,760.000	64.18	64.18	864,124.63	864,124 63	1,075,656.80	1,075,656.80	0.07	211,532.17	211,532.17
172062101	CINCINNATI FINANCIAL CORP	10,377.000	75.45	75.45	636,703.38	636,703 38	782,944.65	782,944.65	0.05	146,241.27	146,241.27
17275R102	CISCO SYSTEMS NC	289,728.000	39.31	39.31	7,116,454.52	7,116,454 52	11,389,207.68	11,389,207.68	0.78	4,272,753.16	4,272,753.16
172908105	CINTAS CORP	5,726.000	173.22	173.22	753,341.07	753,341 07	991,857.72	991,857.72	0.07	238,516.65	238,516.65
172967424	CITIGROUP NC	149,103.000	42.12	42.12	9,184,768.09	9,184,768 09	6,280,218.36	6,280,218.36	0.43	-2,904,549.73	-2,904,549.73
174610105	CITIZENS FINANCIAL GROUP INC	29,689.000	18.81	18.81	711,398.11	711,398.11	558,450.09	558,450.09	0.04	-152,948.02	-152,948.02
177376100	CITRIX SYSTEMS INC	7,855.000	141.55	141.55	487,548.07	487,548 07	1,111,875.25	1,111,875.25	0.08	624,327.18	624,327.18
189054109	CLOROX CO/THE	8,571.000	173.25	173.25	942,409.22	942,409 22	1,484,925.75	1,484,925.75	0.10	542,516.53	542,516.53
191216100	COCA-COLA CO/THE	263,351.000	44.25	44.25	8,919,636.09	8,919,636 09	11,653,281.75	11,653,281.75	0.79	2,733,645.66	2,733,645.66
192446102	COGNIZANT TECHNOLOGY SOLUTIONS	37,396.000	46.47	46.47	1,679,499.99	1,679,499 99	1,737,792.12	1,737,792.12	0.12	58,292.13	58,292.13
194162103	COLGATE-PALMOLIVE CO	58,532.000	66.36	66.36	2,586,752.70	2,586,752.70	3,884,183.52	3,884,183.52	0.26	1,297,430.82	1,297,430.82
20030N101	COMCAST CORP	310,049.000	34.38	34.38	7,765,722.83	7,765,722 83	10,659,484.62	10,659,484.62	0.73	2,893,761.79	2,893,761.79
200340107	COMERICA NC	9,845.000	29.34	29.34	396,587.83	396,587 83	288,852.30	288,852.30	0.02	-107,735.53	-107,735.53
205887102	CONAGRA BRANDS INC	33,236.000	29.34	29.34	851,256.18	851,256.18	975,144.24	975,144.24	0.07	123,888.06	123,888.06
20605P101	CONCHO RESOURCES INC	13,729.000	42.85	42.85	1,292,794.10	1,292,794.10	588,287.65	588,287.65	0.04	-704,506.45	-704,506.45
20825C104	CONOCOPHILLIPS	74,939.000	30.80	30.80	3,057,363.97	3,057,363 97	2,308,121.20	2,308,121.20	0.16	-749,242.77	-749,242.77

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
209115104	CONSOLIDATED EDISON INC	22,704.000	78.00	78.00	1,448,275.82	1,448,275 82	1,770,912.00	1,770,912.00	0.12	322,636.18	322,636.18
21036P108	CONSTELLATION BRANDS NC	11,439.000	143.36	143.36	1,259,733.05	1,259,733 05	1,639,895.04	1,639,895.04	0.11	380,161.99	380,161.99
216648402	COOPER COS INC/THE	3,386.000	275.67	275.67	765,427.77	765,427.77	933,418.62	933,418.62	0.06	167,990.85	167,990.85
217204106	COPART INC	13,971.000	68.52	68.52	863,199.68	863,199 68	957,292.92	957,292.92	0.07	94,093.24	94,093.24
219350105	CORNING NC	52,527.000	20.54	20.54	999,681.58	999,681 58	1,078,904.58	1,078,904.58	0.07	79,223.00	79,223.00
22052L104	CORTEVA INC	51,113.000	23.50	23.50	1,140,007.03	1,140,007 03	1,201,155.50	1,201,155.50	0.08	61,148.47	61,148.47
22160K105	COSTCO WHOLESALE CORP	30,172.000	285.13	285.13	4,597,565.83	4,597,565 83	8,602,942.36	8,602,942.36	0.59	4,005,376.53	4,005,376.53
222070203	COTY INC	20,187.000	5.16	5.16	297,661.18	297,661.18	104,164.92	104,164.92	0.01	-193,496.26	-193,496.26
22304C100	COVETRUS NC	0.400	8.14	8.14	16.08	16 08	3.26	3.26	0.00	-12.82	-12.82
22822V101	CROWN CASTLE NTERNATIONAL COR	28,395.000	144.40	144.40	2,783,079.12	2,783,079.12	4,100,238.00	4,100,238.00	0.28	1,317,158.88	1,317,158.88
231021106	CUMMINS INC	10,463.000	135.32	135.32	1,018,566.93	1,018,566 93	1,415,853.16	1,415,853.16	0.10	397,286.23	397,286.23
23331A109	DR HORTON NC	22,901.000	34.00	34.00	842,162.14	842,162.14	778,634.00	778,634.00	0.05	-63,528.14	-63,528.14
233331107	DTE ENERGY CO	13,120.000	94.97	94.97	1,070,179.37	1,070,179 37	1,246,006.40	1,246,006.40	0.08	175,827.03	175,827.03
23355L106	DXC TECHNOLOGY CO	17,484.000	13.05	13.05	678,869.07	678,869 07	228,166.20	228,166.20	0.02	-450,702.87	-450,702.87
235851102	DANAHER CORP	43,659.000	138.41	138.41	3,476,043.45	3,476,043.45	6,042,842.19	6,042,842.19	0.41	2,566,798.74	2,566,798.74
237194105	DARDEN RESTAURANTS NC	8,373.000	54.46	54.46	551,721.66	551,721 66	455,993.58	455,993.58	0.03	-95,728.08	-95,728.08
23918K108	DAVITA INC	6,125.000	76.06	76.06	364,294.19	364,294.19	465,867.50	465,867.50	0.03	101,573.31	101,573.31
244199105	DEERE & CO	21,504.000	138.16	138.16	1,959,057.20	1,959,057 20	2,970,992.64	2,970,992.64	0.20	1,011,935.44	1,011,935.44
247361702	DELTA A R L NES INC	39,311.000	28.53	28.53	1,396,894.19	1,396,894.19	1,121,542.83	1,121,542.83	0.08	-275,351.36	-275,351.36
24906P109	DENTSPLY SIRONA NC	15,190.000	38.83	38.83	748,653.46	748,653.46	589,827.70	589,827.70	0.04	-158,825.76	-158,825.76
25179M103	DEVON ENERGY CORP	26,430.000	6.91	6.91	647,053.65	647,053 65	182,631.30	182,631.30	0.01	-464,422.35	-464,422.35
25278X109	DIAMONDBACK ENERGY NC	11,005.000	26.20	26.20	868,869.76	868,869.76	288,331.00	288,331.00	0.02	-580,538.76	-580,538.76
253868103	DIGITAL REALTY TRUST INC	17,952.000	138.91	138.91	2,090,030.63	2,090,030 63	2,493,712.32	2,493,712.32	0.17	403,681.69	403,681.69
254687106	WALT DISNEY CO/THE	123,096.000	96.60	96.60	8,986,653.46	8,986,653.46	11,891,073.60	11,891,073.60	0.81	2,904,420.14	2,904,420.14
254709108	DISCOVER FINANCIAL SERVICES	21,409.000	35.67	35.67	792,209.59	792,209 59	763,659.03	763,659.03	0.05	-28,550.56	-28,550.56
25470F104	DISCOVERY NC	10,800.000	19.44	19.44	266,639.76	266,639.76	209,952.00	209,952.00	0.01	-56,687.76	-56,687.76
25470F302	DISCOVERY NC	22,908.000	17.54	17.54	560,398.87	560,398 87	401,806.32	401,806.32	0.03	-158,592.55	-158,592.55
25470M109	DISH NETWORK CORP	17,485.000	19.99	19.99	852,739.29	852,739 29	349,525.15	349,525.15	0.02	-503,214.14	-503,214.14
256677105	DOLLAR GENERAL CORP	17,388.000	151.01	151.01	1,583,723.16	1,583,723.16	2,625,761.88	2,625,761.88	0.18	1,042,038.72	1,042,038.72
256746108	DOLLAR TREE INC	16,163.000	73.47	73.47	1,113,098.91	1,113,098 91	1,187,495.61	1,187,495.61	0.08	74,396.70	74,396.70
25746U109	DOM NION ENERGY INC	56,214.000	72.19	72.19	3,358,077.94	3,358,077 94	4,058,088.66	4,058,088.66	0.28	700,010.72	700,010.72
260003108	DOVER CORP	9,921.000	83.94	83.94	543,110.93	543,110 93	832,768.74	832,768.74	0.06	289,657.81	289,657.81
260557103	DOW INC	50,641.000	29.24	29.24	2,564,421.21	2,564,421 21	1,480,742.84	1,480,742.84	0.10	-1,083,678.37	-1,083,678.37
264411505	DUKE REALTY CORP	25,104.000	32.38	32.38	774,297.04	774,297 04	812,867.52	812,867.52	0.06	38,570.48	38,570.48
26441C204	DUKE ENERGY CORP	49,790.000	80.88	80.88	3,512,563.07	3,512,563 07	4,027,015.20	4,027,015.20	0.27	514,452.13	514,452.13
26614N102	DUPONT DE NEMOURS NC	50,594.000	34.10	34.10	2,614,273.40	2,614,273.40	1,725,255.40	1,725,255.40	0.12	-889,018.00	-889,018.00
26875P101	EOG RESOURCES INC	39,732.000	35.92	35.92	2,231,098.34	2,231,098 34	1,427,173.44	1,427,173.44	0.10	-803,924.90	-803,924.90
269246401	E*TRADE F NANCIAL CORP	15,429.000	34.32	34.32	764,649.35	764,649 35	529,523.28	529,523.28	0.04	-235,126.07	-235,126.07
277432100	EASTMAN CHEMICAL CO	9,287.000	46.58	46.58	537,100.67	537,100 67	432,588.46	432,588.46	0.03	-104,512.21	-104,512.21
278642103	EBAY INC	52,227.000	30.06	30.06	1,194,194.57	1,194,194 57	1,569,943.62	1,569,943.62	0.11	375,749.05	375,749.05
278865100	ECOLAB NC	17,127.000	155.83	155.83	1,939,796.57	1,939,796 57	2,668,900.41	2,668,900.41	0.18	729,103.84	729,103.84
281020107	EDISON INTERNATIONAL	24,491.000	54.79	54.79	1,127,192.76	1,127,192.76	1,341,861.89	1,341,861.89	0.09	214,669.13	214,669.13
28176E108	EDWARDS LIFESCIENCES CORP	14,244.000	188.62	188.62	1,436,878.06	1,436,878 06	2,686,703.28	2,686,703.28	0.18	1,249,825.22	1,249,825.22
285512109	ELECTRONIC ARTS NC	19,941.000	100.17	100.17	1,299,394.41	1,299,394.41	1,997,489.97	1,997,489.97	0.14	698,095.56	698,095.56

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
291011104	EMERSON ELECTRIC CO	41,603.000	47.65	47.65	1,547,095.08	1,547,095 08	1,982,382.95	1,982,382.95	0.14	435,287.87	435,287.87
29364G103	ENTERGY CORP	13,598.000	93.97	93.97	1,078,187.86	1,078,187 86	1,277,804.06	1,277,804.06	0.09	199,616.20	199,616.20
294429105	EQU FAX NC	8,269.000	119.45	119.45	718,671.83	718,671 83	987,732.05	987,732.05	0.07	269,060.22	269,060.22
29444U700	EQU NIX INC	5,824.000	624.57	624.57	2,294,146.06	2,294,146 06	3,637,495.68	3,637,495.68	0.25	1,343,349.62	1,343,349.62
29476L107	EQUITY RESIDENTIAL	23,840.000	61.71	61.71	1,400,825.72	1,400,825.72	1,471,166.40	1,471,166.40	0.10	70,340.68	70,340.68
297178105	ESSEX PROPERTY TRUST INC	4,513.000	220.24	220.24	1,020,558.33	1,020,558 33	993,943.12	993,943.12	0.07	-26,615.21	-26,615.21
30034W106	EVERGY INC	15,565.000	55.05	55.05	872,934.36	872,934 36	856,853.25	856,853.25	0.06	-16,081.11	-16,081.11
30040W108	EVERSOURCE ENERGY	22,111.000	78.21	78.21	1,247,319.57	1,247,319 57	1,729,301.31	1,729,301.31	0.12	481,981.74	481,981.74
30161N101	EXELON CORP	66,391.000	36.81	36.81	2,546,272.55	2,546,272 55	2,443,852.71	2,443,852.71	0.17	-102,419.84	-102,419.84
30212P303	EXPEDIA GROUP INC	9,544.000	56.27	56.27	847,313.18	847,313.18	537,040.88	537,040.88	0.04	-310,272.30	-310,272.30
302130109	EXPEDITORS INTERNATIONAL OF WA	11,631.000	66.72	66.72	566,038.09	566,038 09	776,020.32	776,020.32	0.05	209,982.23	209,982.23
30225T102	EXTRA SPACE STORAGE INC	8,845.000	95.76	95.76	821,711.15	821,711.15	846,997.20	846,997.20	0.06	25,286.05	25,286.05
30231G102	EXXON MOBIL CORP	288,966.000	37.97	37.97	15,150,327.52	15,150,327 52	10,972,039.02	10,972,039.02	0.75	-4,178,288.50	-4,178,288.50
302445101	FLIR SYSTEMS NC	9,162.000	31.89	31.89	333,200.82	333,200 82	292,176.18	292,176.18	0.02	-41,024.64	-41,024.64
302491303	FMC CORP	8,852.000	81.69	81.69	478,874.51	478,874 51	723,119.88	723,119.88	0.05	244,245.37	244,245.37
30303M102	FACEBOOK NC	164,351.000	166.80	166.80	18,947,562.45	18,947,562.45	27,413,746.80	27,413,746.80	1.87	8,466,184.35	8,466,184.35
311900104	FASTENAL CO	39,169.000	31.25	31.25	865,277.42	865,277.42	1,224,031.25	1,224,031.25	0.08	358,753.83	358,753.83
313747206	FEDERAL REALTY INVESTMENT TRUS	4,797.000	74.61	74.61	648,887.80	648,887 80	357,904.17	357,904.17	0.02	-290,983.63	-290,983.63
31428X106	FEDEX CORP	16,394.000	121.26	121.26	1,807,014.94	1,807,014 94	1,987,936.44	1,987,936.44	0.14	180,921.50	180,921.50
315616102	F5 NETWORKS NC	4,152.000	106.63	106.63	471,744.45	471,744.45	442,727.76	442,727.76	0.03	-29,016.69	-29,016.69
31620M106	F DELITY NATIONAL INFORMATION	41,975.000	121.64	121.64	4,370,800.83	4,370,800 83	5,105,839.00	5,105,839.00	0.35	735,038.17	735,038.17
316773100	F FTH THIRD BANCORP	48,467.000	14.85	14.85	952,311.98	952,311 98	719,734.95	719,734.95	0.05	-232,577.03	-232,577.03
33616C100	F RST REPUBLIC BANK/CA	11,509.000	82.28	82.28	1,155,551.40	1,155,551.40	946,960.52	946,960.52	0.06	-208,590.88	-208,590.88
337738108	FISERV INC	39,004.000	94.99	94.99	2,684,128.71	2,684,128.71	3,704,989.96	3,704,989.96	0.25	1,020,861.25	1,020,861.25
337932107	F RSTENERGY CORP	36,901.000	40.07	40.07	1,473,863.40	1,473,863.40	1,478,623.07	1,478,623.07	0.10	4,759.67	4,759.67
339041105	FLEETCOR TECHNOLOGIES INC	5,927.000	186.54	186.54	1,364,069.93	1,364,069 93	1,105,622.58	1,105,622.58	0.08	-258,447.35	-258,447.35
34354P105	FLOWSERVE CORP	8,937.000	23.89	23.89	413,332.52	413,332 52	213,504.93	213,504.93	0.01	-199,827.59	-199,827.59
345370860	FORD MOTOR CO	265,946.000	4.83	4.83	2,202,679.47	2,202,679.47	1,284,519.18	1,284,519.18	0.09	-918,160.29	-918,160.29
34959E109	FORTINET INC	9,695.000	101.17	101.17	783,243.84	783,243 84	980,843.15	980,843.15	0.07	197,599.31	197,599.31
34959J108	FORTIVE CORP	20,182.000	55.19	55.19	840,307.21	840,307 21	1,113,844.58	1,113,844.58	0.08	273,537.37	273,537.37
34964C106	FORTUNE BRANDS HOME & SECURITY	9,503.000	43.25	43.25	573,779.16	573,779.16	411,004.75	411,004.75	0.03	-162,774.41	-162,774.41
35137L105	FOX CORP	24,212.000	23.63	23.63	801,978.10	801,978.10	572,129.56	572,129.56	0.04	-229,848.54	-229,848.54
35137L204	FOX CORP	11,089.000	22.88	22.88	360,809.72	360,809.72	253,716.32	253,716.32	0.02	-107,093.40	-107,093.40
354613101	FRANKLIN RESOURCES INC	19,049.000	16.69	16.69	550,853.10	550,853.10	317,927.81	317,927.81	0.02	-232,925.29	-232,925.29
35671D857	FREEPORT-MCMORAN INC	99,091.000	6.75	6.75	1,564,115.30	1,564,115 30	668,864.25	668,864.25	0.05	-895,251.05	-895,251.05
363576109	ARTHUR J GALLAGHER & CO	12,739.000	81.51	81.51	815,339.33	815,339 33	1,038,355.89	1,038,355.89	0.07	223,016.56	223,016.56
364760108	GAP INC/THE	14,532.000	7.04	7.04	284,024.31	284,024 31	102,305.28	102,305.28	0.01	-181,719.03	-181,719.03
366651107	GARTNER NC	6,109.000	99.57	99.57	760,112.43	760,112.43	608,273.13	608,273.13	0.04	-151,839.30	-151,839.30
369550108	GENERAL DYNAMICS CORP	16,004.000	132.31	132.31	1,670,797.95	1,670,797 95	2,117,489.24	2,117,489.24	0.14	446,691.29	446,691.29
369604103	GENERAL ELECTRIC CO	596,464.000	7.94	7.94	8,949,990.80	8,949,990 80	4,735,924.16	4,735,924.16	0.32	-4,214,066.64	-4,214,066.64
370334104	GENERAL MILLS INC	41,277.000	52.77	52.77	1,836,386.92	1,836,386 92	2,178,187.29	2,178,187.29	0.15	341,800.37	341,800.37
37045V100	GENERAL MOTORS CO	85,870.000	20.78	20.78	2,821,182.47	2,821,182.47	1,784,378.60	1,784,378.60	0.12	-1,036,803.87	-1,036,803.87
372460105	GENUINE PARTS CO	9,923.000	67.33	67.33	619,880.18	619,880.18	668,115.59	668,115.59	0.05	48,235.41	48,235.41
375558103	G LEAD SC ENCES NC	86,404.000	74.76	74.76	4,494,800.84	4,494,800 84	6,459,563.04	6,459,563.04	0.44	1,964,762.20	1,964,762.20

BNY MELLON

Asset Detail

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[redacted]

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Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
37940X102	GLOBAL PAYMENTS INC	20,526.000	144.23	144.23	2,088,579.93	2,088,579 93	2,960,464.98	2,960,464.98	0.20	871,885.05	871,885.05
37959E102	GLOBE LIFE INC	6,804.000	71.97	71.97	341,205.04	341,205 04	489,683.88	489,683.88	0.03	148,478.84	148,478.84
38141G104	GOLDMAN SACHS GROUP INC/THE	21,764.000	154.59	154.59	3,045,474.79	3,045,474.79	3,364,496.76	3,364,496.76	0.23	319,021.97	319,021.97
384802104	WW GRA NGER INC	2,980.000	248.50	248.50	598,405.27	598,405 27	740,530.00	740,530.00	0.05	142,124.73	142,124.73
40412C101	HCA HEALTHCARE INC	18,068.000	89.85	89.85	1,604,814.76	1,604,814.76	1,623,409.80	1,623,409.80	0.11	18,595.04	18,595.04
40434L105	HP INC	101,208.000	17.36	17.36	1,202,898.61	1,202,898 61	1,756,970.88	1,756,970.88	0.12	554,072.27	554,072.27
406216101	HALL BURTON CO	59,950.000	6.85	6.85	1,349,993.64	1,349,993 64	410,657.50	410,657.50	0.03	-939,336.14	-939,336.14
410345102	HANESBRANDS INC	24,702.000	7.87	7.87	620,263.46	620,263.46	194,404.74	194,404.74	0.01	-425,858.72	-425,858.72
412822108	HARLEY-DAVIDSON NC	10,537.000	18.93	18.93	288,813.58	288,813 58	199,465.41	199,465.41	0.01	-89,348.17	-89,348.17
416515104	HARTFORD FINANCIAL SERVICES GR	24,615.000	35.24	35.24	1,168,658.46	1,168,658.46	867,432.60	867,432.60	0.06	-301,225.86	-301,225.86
418056107	HASBRO NC	8,691.000	71.55	71.55	596,125.37	596,125 37	621,841.05	621,841.05	0.04	25,715.68	25,715.68
42250P103	HEALTHPEAK PROPERT ES INC	33,803.000	23.85	23.85	1,069,515.70	1,069,515.70	806,201.55	806,201.55	0.05	-263,314.15	-263,314.15
423452101	HELMERICH & PAYNE INC	7,406.000	15.65	15.65	284,757.94	284,757 94	115,903.90	115,903.90	0.01	-168,854.04	-168,854.04
426281101	JACK HENRY & ASSOCIATES NC	5,254.000	155.24	155.24	745,238.42	745,238.42	815,630.96	815,630.96	0.06	70,392.54	70,392.54
427866108	HERSHEY CO/THE	10,129.000	132.50	132.50	995,330.24	995,330 24	1,342,092.50	1,342,092.50	0.09	346,762.26	346,762.26
42809H107	HESS CORP	17,689.000	33.30	33.30	1,014,979.29	1,014,979 29	589,043.70	589,043.70	0.04	-425,935.59	-425,935.59
42824C109	HEWLETT PACKARD ENTERPRISE CO	88,375.000	9.71	9.71	667,180.27	667,180 27	858,121.25	858,121.25	0.06	190,940.98	190,940.98
43300A203	HILTON WORLDWIDE HOLDINGS NC	19,271.000	68.24	68.24	1,479,994.93	1,479,994 93	1,315,053.04	1,315,053.04	0.09	-164,941.89	-164,941.89
436106108	HOLLYFRONTIER CORP	10,140.000	24.51	24.51	596,702.03	596,702 03	248,531.40	248,531.40	0.02	-348,170.63	-348,170.63
436440101	HOLOGIC INC	18,313.000	35.10	35.10	734,518.47	734,518.47	642,786.30	642,786.30	0.04	-91,732.17	-91,732.17
437076102	HOME DEPOT NC/THE	74,499.000	186.71	186.71	8,352,687.46	8,352,687.46	13,909,708.29	13,909,708.29	0.95	5,557,020.83	5,557,020.83
438516106	HONEYWELL INTERNATIONAL INC	48,800.000	133.79	133.79	4,547,155.76	4,547,155.76	6,528,952.00	6,528,952.00	0.45	1,981,796.24	1,981,796.24
440452100	HORMEL FOODS CORP	18,991.000	46.64	46.64	620,718.98	620,718 98	885,740.24	885,740.24	0.06	265,021.26	265,021.26
44107P104	HOST HOTELS & RESORTS NC	48,980.000	11.04	11.04	809,034.88	809,034 88	540,739.20	540,739.20	0.04	-268,295.68	-268,295.68
444859102	HUMANA INC	9,044.000	314.02	314.02	1,476,539.03	1,476,539 03	2,839,996.88	2,839,996.88	0.19	1,363,457.85	1,363,457.85
445658107	JB HUNT TRANSPORT SERVICES INC	5,823.000	92.23	92.23	500,759.48	500,759.48	537,055.29	537,055.29	0.04	36,295.81	36,295.81
446150104	HUNTINGTON BANCSHARES INC/OH	70,533.000	8.21	8.21	1,062,147.21	1,062,147 21	579,075.93	579,075.93	0.04	-483,071.28	-483,071.28
446413106	HUNTINGTON INGALLS INDUSTR ES	2,793.000	182.21	182.21	676,974.58	676,974 58	508,912.53	508,912.53	0.03	-168,062.05	-168,062.05
44980X109	IPG PHOTONICS CORP	2,428.000	110.28	110.28	492,684.55	492,684 55	267,759.84	267,759.84	0.02	-224,924.71	-224,924.71
45167R104	IDEX CORP	5,195.000	138.11	138.11	817,648.93	817,648 93	717,481.45	717,481.45	0.05	-100,167.48	-100,167.48
45168D104	IDEXX LABORATORIES INC	5,859.000	242.24	242.24	1,101,981.07	1,101,981 07	1,419,284.16	1,419,284.16	0.10	317,303.09	317,303.09
452308109	ILLINOIS TOOL WORKS INC	19,975.000	142.12	142.12	1,799,288.71	1,799,288.71	2,838,847.00	2,838,847.00	0.19	1,039,558.29	1,039,558.29
452327109	ILLUMINA INC	10,039.000	273.12	273.12	2,184,545.98	2,184,545 98	2,741,851.68	2,741,851.68	0.19	557,305.70	557,305.70
45337C102	INCYTE CORP	12,210.000	73.23	73.23	1,444,750.42	1,444,750.42	894,138.30	894,138.30	0.06	-550,612.12	-550,612.12
45687V106	INGERSOLL RAND INC	23,634.000	24.80	24.80	465,098.55	465,098 55	586,123.20	586,123.20	0.04	121,024.65	121,024.65
458140100	INTEL CORP	297,086.000	54.12	54.12	8,982,349.80	8,982,349 80	16,078,294.32	16,078,294.32	1.10	7,095,944.52	7,095,944.52
45866F104	INTERCONT NENTAL EXCHANGE NC	38,030.000	80.75	80.75	2,074,521.54	2,074,521 54	3,070,922.50	3,070,922.50	0.21	996,400.96	996,400.96
459200101	INTERNATIONAL BUS NESS MACH NE	60,485.000	110.93	110.93	6,265,818.39	6,265,818 39	6,709,601.05	6,709,601.05	0.46	443,782.66	443,782.66
459506101	INTERNATIONAL FLAVORS & FRAGRA	7,292.000	102.08	102.08	688,033.42	688,033.42	744,367.36	744,367.36	0.05	56,333.94	56,333.94
460146103	INTERNATIONAL PAPER CO	26,780.000	31.13	31.13	870,744.47	870,744.47	833,661.40	833,661.40	0.06	-37,083.07	-37,083.07
460690100	INTERPUBLIC GROUP OF COS INC/T	26,480.000	16.19	16.19	493,486.47	493,486.47	428,711.20	428,711.20	0.03	-64,775.27	-64,775.27
461202103	INTUIT NC	17,778.000	230.00	230.00	2,576,660.43	2,576,660.43	4,088,940.00	4,088,940.00	0.28	1,512,279.57	1,512,279.57
46120E602	INTUITIVE SURGICAL NC	7,893.000	495.21	495.21	2,335,548.01	2,335,548 01	3,908,692.53	3,908,692.53	0.27	1,573,144.52	1,573,144.52
46266C105	IQVIA HOLDINGS INC	12,324.000	107.86	107.86	1,442,683.97	1,442,683 97	1,329,266.64	1,329,266.64	0.09	-113,417.33	-113,417.33

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
46284V101	IRON MOUNTAIN INC	19,611.000	23.80	23.80	618,325.33	618,325 33	466,741.80	466,741.80	0.03	-151,583.53	-151,583.53
46625H100	JPMORGAN CHASE & CO	214,208.000	90.03	90.03	12,993,269.82	12,993,269 82	19,285,146.24	19,285,146.24	1.32	6,291,876.42	6,291,876.42
469814107	JACOBS ENGINEER NG GROUP INC	9,254.000	79.27	79.27	581,491.03	581,491 03	733,564.58	733,564.58	0.05	152,073.55	152,073.55
478160104	JOHNSON & JOHNSON	179,745.000	131.13	131.13	16,015,109.30	16,015,109 30	23,569,961.85	23,569,961.85	1.61	7,554,852.55	7,554,852.55
48203R104	JUNIPER NETWORKS INC	22,859.000	19.14	19.14	483,462.35	483,462 35	437,521.26	437,521.26	0.03	-45,941.09	-45,941.09
482480100	KLA CORP	10,777.000	143.74	143.74	969,975.30	969,975 30	1,549,085.98	1,549,085.98	0.11	579,110.68	579,110.68
485170302	KANSAS CITY SOUTHERN	6,769.000	127.18	127.18	765,620.14	765,620.14	860,881.42	860,881.42	0.06	95,261.28	95,261.28
487836108	KELLOGG CO	17,006.000	59.99	59.99	962,324.91	962,324 91	1,020,189.94	1,020,189.94	0.07	57,865.03	57,865.03
493267108	KEYCORP	67,268.000	10.37	10.37	842,644.90	842,644 90	697,569.16	697,569.16	0.05	-145,075.74	-145,075.74
49338L103	KEYSIGHT TECHNOLOGIES NC	12,811.000	83.68	83.68	882,695.61	882,695 61	1,072,024.48	1,072,024.48	0.07	189,328.87	189,328.87
494368103	KIMBERLY-CLARK CORP	23,412.000	127.87	127.87	1,997,158.75	1,997,158.75	2,993,692.44	2,993,692.44	0.20	996,533.69	996,533.69
49446R109	KIMCO REALTY CORP	28,837.000	9.67	9.67	825,819.75	825,819.75	278,853.79	278,853.79	0.02	-546,965.96	-546,965.96
49456B101	KINDER MORGAN NC	133,031.000	13.92	13.92	3,395,367.50	3,395,367 50	1,851,791.52	1,851,791.52	0.13	-1,543,575.98	-1,543,575.98
500255104	KOHL'S CORP	10,693.000	14.59	14.59	502,354.44	502,354.44	156,010.87	156,010.87	0.01	-346,343.57	-346,343.57
500754106	KRAFT HEINZ CO/THE	42,534.000	24.74	24.74	2,180,424.93	2,180,424 93	1,052,291.16	1,052,291.16	0.07	-1,128,133.77	-1,128,133.77
501044101	KROGER CO/THE	54,773.000	30.12	30.12	1,247,349.42	1,247,349.42	1,649,762.76	1,649,762.76	0.11	402,413.34	402,413.34
501797104	L BRANDS INC	15,861.000	11.56	11.56	607,654.08	607,654 08	183,353.16	183,353.16	0.01	-424,300.92	-424,300.92
501889208	LKQ CORP	20,930.000	20.51	20.51	638,381.42	638,381.42	429,274.30	429,274.30	0.03	-209,107.12	-209,107.12
502431109	L3HARRIS TECHNOLOGIES NC	15,098.000	180.12	180.12	3,113,957.43	3,113,957.43	2,719,451.76	2,719,451.76	0.19	-394,505.67	-394,505.67
50540R409	LABORATORY CORP OF AMERICA HOL	6,632.000	126.39	126.39	739,512.77	739,512.77	838,218.48	838,218.48	0.06	98,705.71	98,705.71
512807108	LAM RESEARCH CORP	9,908.000	240.00	240.00	1,217,593.69	1,217,593 69	2,377,920.00	2,377,920.00	0.16	1,160,326.31	1,160,326.31
513272104	LAMB WESTON HOLDINGS INC	9,975.000	57.10	57.10	733,442.96	733,442 96	569,572.50	569,572.50	0.04	-163,870.46	-163,870.46
517834107	LAS VEGAS SANDS CORP	23,080.000	42.47	42.47	1,403,239.97	1,403,239 97	980,207.60	980,207.60	0.07	-423,032.37	-423,032.37
518439104	ESTEE LAUDER COS NC/THE	15,199.000	159.34	159.34	1,628,033.31	1,628,033 31	2,421,808.66	2,421,808.66	0.17	793,775.35	793,775.35
524660107	LEGGETT & PLATT INC	8,988.000	26.68	26.68	255,505.31	255,505 31	239,799.84	239,799.84	0.02	-15,705.47	-15,705.47
525327102	LEIDOS HOLDINGS INC	9,088.000	91.65	91.65	792,702.64	792,702 64	832,915.20	832,915.20	0.06	40,212.56	40,212.56
526057104	LENNAR CORP	19,115.000	38.20	38.20	969,462.70	969,462.70	730,193.00	730,193.00	0.05	-239,269.70	-239,269.70
532457108	ELI L LLY AND CO	57,704.000	138.72	138.72	4,533,894.43	4,533,894.43	8,004,698.88	8,004,698.88	0.55	3,470,804.45	3,470,804.45
534187109	LINCOLN NATIONAL CORP	13,545.000	26.32	26.32	727,490.91	727,490 91	356,504.40	356,504.40	0.02	-370,986.51	-370,986.51
538034109	LIVE NATION ENTERTAINMENT INC	9,624.000	45.46	45.46	645,749.80	645,749 80	437,507.04	437,507.04	0.03	-208,242.76	-208,242.76
539830109	LOCKHEED MARTIN CORP	16,953.000	338.95	338.95	3,654,211.70	3,654,211.70	5,746,219.35	5,746,219.35	0.39	2,092,007.65	2,092,007.65
540424108	LOEWS CORP	17,470.000	34.83	34.83	720,608.15	720,608.15	608,480.10	608,480.10	0.04	-112,128.05	-112,128.05
548661107	LOWE'S COS NC	52,347.000	86.05	86.05	3,133,404.41	3,133,404.41	4,504,459.35	4,504,459.35	0.31	1,371,054.94	1,371,054.94
55261F104	M&T BANK CORP	9,012.000	103.43	103.43	1,018,786.42	1,018,786.42	932,111.16	932,111.16	0.06	-86,675.26	-86,675.26
552953101	MGM RESORTS NTERNATIONAL	35,171.000	11.80	11.80	1,004,770.44	1,004,770.44	415,017.80	415,017.80	0.03	-589,752.64	-589,752.64
55354G100	MSCI INC	5,785.000	288.96	288.96	1,141,708.78	1,141,708.78	1,671,633.60	1,671,633.60	0.11	529,924.82	529,924.82
55616P104	MACY'S INC	21,103.000	4.91	4.91	490,431.91	490,431 91	103,615.73	103,615.73	0.01	-386,816.18	-386,816.18
565849106	MARATHON OIL CORP	54,632.000	3.29	3.29	879,788.10	879,788.10	179,739.28	179,739.28	0.01	-700,048.82	-700,048.82
56585A102	MARATHON PETROLEUM CORP	44,346.000	23.62	23.62	1,496,300.35	1,496,300 35	1,047,452.52	1,047,452.52	0.07	-448,847.83	-448,847.83
57060D108	MARKETAXESS HOLD NGS INC	2,590.000	332.57	332.57	877,573.22	877,573 22	861,356.30	861,356.30	0.06	-16,216.92	-16,216.92
571748102	MARSH & MCLENNAN COS INC	34,467.000	86.46	86.46	2,074,372.52	2,074,372 52	2,980,016.82	2,980,016.82	0.20	905,644.30	905,644.30
571903202	MARRIOTT NTERNATIONAL INC/MD	18,533.000	74.81	74.81	1,374,045.68	1,374,045 68	1,386,453.73	1,386,453.73	0.09	12,408.05	12,408.05
573284106	MART N MAR ETTA MATERIALS NC	4,269.000	189.23	189.23	712,953.31	712,953 31	807,822.87	807,822.87	0.06	94,869.56	94,869.56
574599106	MASCO CORP	19,403.000	34.57	34.57	456,663.87	456,663 87	670,761.71	670,761.71	0.05	214,097.84	214,097.84

BNY MELLON

Asset Detail

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57636Q104	MASTERCARD INC	60,628.000	241.56	241.56	7,806,818.90	7,806,818 90	14,645,299.68	14,645,299.68	1.00	6,838,480.78	6,838,480.78
57772K101	MAX M INTEGRATED PRODUCTS INC	18,481.000	48.61	48.61	928,413.85	928,413 85	898,361.41	898,361.41	0.06	-30,052.44	-30,052.44
579780206	MCCORMICK & CO INC/MD	8,439.000	141.21	141.21	735,216.72	735,216.72	1,191,671.19	1,191,671.19	0.08	456,454.47	456,454.47
580135101	MCDONALD'S CORP	51,433.000	165.35	165.35	5,295,895.95	5,295,895 95	8,504,446.55	8,504,446.55	0.58	3,208,550.60	3,208,550.60
58155Q103	MCKESSON CORP	12,306.000	135.26	135.26	1,370,415.81	1,370,415 81	1,664,509.56	1,664,509.56	0.11	294,093.75	294,093.75
58933Y105	MERCK & CO INC	173,880.000	76.94	76.94	8,463,696.53	8,463,696 53	13,378,327.20	13,378,327.20	0.91	4,914,630.67	4,914,630.67
59156R108	METL FE NC	53,386.000	30.57	30.57	2,000,428.13	2,000,428.13	1,632,010.02	1,632,010.02	0.11	-368,418.11	-368,418.11
592688105	METTLER-TOLEDO INTERNATIONAL I	1,663.000	690.51	690.51	840,075.37	840,075 37	1,148,318.13	1,148,318.13	0.08	308,242.76	308,242.76
594918104	MICROSOFT CORP	521,014.000	157.71	157.71	37,899,163.86	37,899,163 86	82,169,117.94	82,169,117.94	5.60	44,269,954.08	44,269,954.08
595017104	MICROCHIP TECHNOLOGY INC	16,321.000	67.80	67.80	961,160.93	961,160 93	1,106,563.80	1,106,563.80	0.08	145,402.87	145,402.87
595112103	MICRON TECHNOLOGY INC	75,607.000	42.06	42.06	1,968,942.91	1,968,942 91	3,180,030.42	3,180,030.42	0.22	1,211,087.51	1,211,087.51
59522J103	MID-AMERICA APARTMENT COMMUNIT	7,790.000	103.03	103.03	792,943.66	792,943 66	802,603.70	802,603.70	0.05	9,660.04	9,660.04
608190104	MOHAWK INDUSTR ES NC	4,060.000	76.24	76.24	574,312.68	574,312 68	309,534.40	309,534.40	0.02	-264,778.28	-264,778.28
60871R209	MOLSON COORS BEVERAGE CO	12,830.000	39.01	39.01	750,809.71	750,809.71	500,498.30	500,498.30	0.03	-250,311.41	-250,311.41
609207105	MONDELEZ NTERNATIONAL INC	98,334.000	50.08	50.08	3,521,971.88	3,521,971 88	4,924,566.72	4,924,566.72	0.34	1,402,594.84	1,402,594.84
61174X109	MONSTER BEVERAGE CORP	26,072.000	56.26	56.26	1,178,154.01	1,178,154 01	1,466,810.72	1,466,810.72	0.10	288,656.71	288,656.71
615369105	MOODY'S CORP	11,089.000	211.50	211.50	1,316,402.97	1,316,402 97	2,345,323.50	2,345,323.50	0.16	1,028,920.53	1,028,920.53
617446448	MORGAN STANLEY	84,013.000	34.00	34.00	2,602,437.29	2,602,437 29	2,856,442.00	2,856,442.00	0.19	254,004.71	254,004.71
61945C103	MOSAIC CO/THE	23,879.000	10.82	10.82	830,437.35	830,437 35	258,370.78	258,370.78	0.02	-572,066.57	-572,066.57
620076307	MOTOROLA SOLUTIONS NC	11,702.000	132.92	132.92	1,082,243.32	1,082,243 32	1,555,429.84	1,555,429.84	0.11	473,186.52	473,186.52
629377508	NRG ENERGY NC	17,183.000	27.26	27.26	432,938.49	432,938.49	468,408.58	468,408.58	0.03	35,470.09	35,470.09
62944T105	NVR INC	237.000	2,569.11	2,569.11	825,523.05	825,523 05	608,879.07	608,879.07	0.04	-216,643.98	-216,643.98
631103108	NASDAQ NC	7,836.000	94.95	94.95	512,632.95	512,632 95	744,028.20	744,028.20	0.05	231,395.25	231,395.25
637071101	NATIONAL OILWELL VARCO NC	26,351.000	9.83	9.83	822,722.39	822,722 39	259,030.33	259,030.33	0.02	-563,692.06	-563,692.06
64110D104	NETAPP INC	15,587.000	41.69	41.69	688,012.38	688,012 38	649,822.03	649,822.03	0.04	-38,190.35	-38,190.35
64110L106	NETFLIX INC	29,931.000	375.50	375.50	4,996,444.07	4,996,444 07	11,239,090.50	11,239,090.50	0.77	6,242,646.43	6,242,646.43
651229106	NEWELL BRANDS NC	26,025.000	13.28	13.28	709,086.94	709,086 94	345,612.00	345,612.00	0.02	-363,474.94	-363,474.94
651639106	NEWMONT CORP	55,991.000	45.28	45.28	1,978,585.38	1,978,585 38	2,535,272.48	2,535,272.48	0.17	556,687.10	556,687.10
65249B109	NEWS CORP	26,537.000	8.97	8.97	305,416.96	305,416 96	238,169.58	238,169.58	0.02	-67,247.38	-67,247.38
65249B208	NEWS CORP	8,317.000	8.99	8.99	110,128.10	110,128.10	74,769.83	74,769.83	0.01	-35,358.27	-35,358.27
65339F101	NEXTERA ENERGY NC	33,381.000	240.62	240.62	4,330,389.07	4,330,389 07	8,032,136.22	8,032,136.22	0.55	3,701,747.15	3,701,747.15
654106103	NIKE INC	85,098.000	82.74	82.74	3,886,639.20	3,886,639 20	7,041,008.52	7,041,008.52	0.48	3,154,369.32	3,154,369.32
65473P105	NISOURCE INC	25,511.000	24.97	24.97	501,051.68	501,051 68	637,009.67	637,009.67	0.04	135,957.99	135,957.99
655044105	NOBLE ENERGY NC	32,666.000	6.04	6.04	882,004.79	882,004.79	197,302.64	197,302.64	0.01	-684,702.15	-684,702.15
655664100	NORDSTROM NC	7,316.000	15.34	15.34	297,940.95	297,940 95	112,227.44	112,227.44	0.01	-185,713.51	-185,713.51
655844108	NORFOLK SOUTHERN CORP	17,808.000	146.00	146.00	1,634,547.35	1,634,547 35	2,599,968.00	2,599,968.00	0.18	965,420.65	965,420.65
665859104	NORTHERN TRUST CORP	14,471.000	75.46	75.46	1,019,207.75	1,019,207.75	1,091,981.66	1,091,981.66	0.07	72,773.91	72,773.91
666807102	NORTHROP GRUMMAN CORP	10,704.000	302.55	302.55	1,878,149.07	1,878,149 07	3,238,495.20	3,238,495.20	0.22	1,360,346.13	1,360,346.13
668771108	NORTONLIFELOCK INC	39,160.000	18.71	18.71	792,223.72	792,223.72	732,683.60	732,683.60	0.05	-59,540.12	-59,540.12
670346105	NUCOR CORP	20,708.000	36.02	36.02	882,311.12	882,311.12	745,902.16	745,902.16	0.05	-136,408.96	-136,408.96
67066G104	NVIDIA CORP	41,797.000	263.60	263.60	4,332,985.78	4,332,985.78	11,017,689.20	11,017,689.20	0.75	6,684,703.42	6,684,703.42
67103H107	O'REILLY AUTOMOTIVE INC	5,167.000	301.05	301.05	994,944.61	994,944 61	1,555,525.35	1,555,525.35	0.11	560,580.74	560,580.74
674599105	OCCIDENTAL PETROLEUM CORP	61,010.000	11.58	11.58	2,418,531.66	2,418,531 66	706,495.80	706,495.80	0.05	-1,712,035.86	-1,712,035.86
679580100	OLD DOM NION FREIGHT LINE NC	6,542.000	131.26	131.26	827,650.55	827,650 55	858,702.92	858,702.92	0.06	31,052.37	31,052.37

BNY MELLON

Asset Detail

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681919106	OMNICOM GROUP NC	14,870.000	54.90	54.90	783,402.09	783,402 09	816,363.00	816,363.00	0.06	32,960.91	32,960.91
682680103	ONEOK INC	28,212.000	21.81	21.81	1,206,280.24	1,206,280 24	615,303.72	615,303.72	0.04	-590,976.52	-590,976.52
68389X105	ORACLE CORP	147,960.000	48.33	48.33	4,751,324.50	4,751,324 50	7,150,906.80	7,150,906.80	0.49	2,399,582.30	2,399,582.30
693475105	PNC F NANCIAL SERVICES GROUP I	29,925.000	95.72	95.72	3,445,080.39	3,445,080 39	2,864,421.00	2,864,421.00	0.20	-580,659.39	-580,659.39
693506107	PPG INDUSTR ES INC	16,149.000	83.60	83.60	1,132,553.09	1,132,553 09	1,350,056.40	1,350,056.40	0.09	217,503.31	217,503.31
69351T106	PPL CORP	52,438.000	24.68	24.68	1,555,983.23	1,555,983 23	1,294,169.84	1,294,169.84	0.09	-261,813.39	-261,813.39
693656100	PVH CORP	5,064.000	37.64	37.64	483,627.18	483,627.18	190,608.96	190,608.96	0.01	-293,018.22	-293,018.22
693718108	PACCAR INC	23,622.000	61.13	61.13	902,381.66	902,381 66	1,444,012.86	1,444,012.86	0.10	541,631.20	541,631.20
695156109	PACKAG NG CORP OF AMERICA	6,465.000	86.83	86.83	695,979.42	695,979.42	561,355.95	561,355.95	0.04	-134,623.47	-134,623.47
701094104	PARKER-HANNIF N CORP	8,774.000	129.73	129.73	872,633.23	872,633 23	1,138,251.02	1,138,251.02	0.08	265,617.79	265,617.79
704326107	PAYCHEX INC	21,757.000	62.92	62.92	1,131,067.50	1,131,067 50	1,368,950.44	1,368,950.44	0.09	237,882.94	237,882.94
70432V102	PAYCOM SOFTWARE NC	3,350.000	202.01	202.01	935,487.59	935,487 59	676,733.50	676,733.50	0.05	-258,754.09	-258,754.09
70450Y103	PAYPAL HOLDINGS NC	80,192.000	95.74	95.74	4,460,395.95	4,460,395 95	7,677,582.08	7,677,582.08	0.52	3,217,186.13	3,217,186.13
712704105	PEOPLE'S UNITED FINANCIAL INC	30,332.000	11.05	11.05	473,524.55	473,524 55	335,168.60	335,168.60	0.02	-138,355.95	-138,355.95
713448108	PEPSICO INC	95,234.000	120.10	120.10	7,666,473.51	7,666,473 51	11,437,603.40	11,437,603.40	0.78	3,771,129.89	3,771,129.89
714046109	PERKINELMER INC	7,588.000	75.28	75.28	410,981.68	410,981 68	571,224.64	571,224.64	0.04	160,242.96	160,242.96
717081103	PFIZER NC	377,957.000	32.64	32.64	9,562,774.89	9,562,774 89	12,336,516.48	12,336,516.48	0.84	2,773,741.59	2,773,741.59
718172109	PHILIP MORRIS INTERNATIONAL IN	106,260.000	72.96	72.96	6,023,621.88	6,023,621 88	7,752,729.60	7,752,729.60	0.53	1,729,107.72	1,729,107.72
718546104	PHILLIPS 66	30,348.000	53.65	53.65	1,750,590.18	1,750,590.18	1,628,170.20	1,628,170.20	0.11	-122,419.98	-122,419.98
723484101	PINNACLE WEST CAPITAL CORP	7,677.000	75.79	75.79	509,161.04	509,161 04	581,839.83	581,839.83	0.04	72,678.79	72,678.79
723787107	PIONEER NATURAL RESOURCES CO	11,313.000	70.15	70.15	1,235,767.19	1,235,767.19	793,606.95	793,606.95	0.05	-442,160.24	-442,160.24
74144T108	T ROWE PRICE GROUP NC	15,959.000	97.65	97.65	1,280,306.30	1,280,306 30	1,558,396.35	1,558,396.35	0.11	278,090.05	278,090.05
74251V102	PRINCIPAL F NANCIAL GROUP INC	17,636.000	31.34	31.34	683,377.42	683,377.42	552,712.24	552,712.24	0.04	-130,665.18	-130,665.18
742718109	PROCTER & GAMBLE CO/THE	170,317.000	110.00	110.00	12,088,568.49	12,088,568.49	18,734,870.00	18,734,870.00	1.28	6,646,301.51	6,646,301.51
743315103	PROGRESSIVE CORP/THE	39,928.000	73.84	73.84	1,653,520.13	1,653,520.13	2,948,283.52	2,948,283.52	0.20	1,294,763.39	1,294,763.39
74340W103	PROLOGIS NC	50,419.000	80.37	80.37	3,000,837.54	3,000,837 54	4,052,175.03	4,052,175.03	0.28	1,051,337.49	1,051,337.49
744320102	PRUDENTIAL FINANCIAL INC	27,455.000	52.14	52.14	1,850,656.47	1,850,656.47	1,431,503.70	1,431,503.70	0.10	-419,152.77	-419,152.77
744573106	PUBLIC SERVICE ENTERPRISE GROU	34,539.000	44.91	44.91	1,212,217.93	1,212,217 93	1,551,146.49	1,551,146.49	0.11	338,928.56	338,928.56
74460D109	PUBLIC STORAGE	10,260.000	198.61	198.61	1,854,982.36	1,854,982 36	2,037,738.60	2,037,738.60	0.14	182,756.24	182,756.24
745867101	PULTEGROUP NC	17,398.000	22.32	22.32	574,008.30	574,008 30	388,323.36	388,323.36	0.03	-185,684.94	-185,684.94
74736K101	QORVO NC	7,934.000	80.63	80.63	610,999.59	610,999 59	639,718.42	639,718.42	0.04	28,718.83	28,718.83
747525103	QUALCOMM NC	77,983.000	67.65	67.65	4,174,884.31	4,174,884 31	5,275,549.95	5,275,549.95	0.36	1,100,665.64	1,100,665.64
74762E102	QUANTA SERVICES INC	9,718.000	31.73	31.73	259,498.45	259,498.45	308,352.14	308,352.14	0.02	48,853.69	48,853.69
74834L100	QUEST DIAGNOSTICS NC	9,199.000	80.30	80.30	699,762.26	699,762 26	738,679.70	738,679.70	0.05	38,917.44	38,917.44
751212101	RALPH LAUREN CORP	3,397.000	66.83	66.83	386,959.83	386,959 83	227,021.51	227,021.51	0.02	-159,938.32	-159,938.32
754730109	RAYMOND JAMES FINANCIAL INC	8,432.000	63.20	63.20	656,821.03	656,821 03	532,902.40	532,902.40	0.04	-123,918.63	-123,918.63
755111507	RAYTHEON CO	19,019.000	131.15	131.15	2,048,967.87	2,048,967 87	2,494,341.85	2,494,341.85	0.17	445,373.98	445,373.98
756109104	REALTY NCOME CORP	22,259.000	49.86	49.86	1,320,048.09	1,320,048 09	1,109,833.74	1,109,833.74	0.08	-210,214.35	-210,214.35
758849103	REGENCY CENTERS CORP	11,444.000	38.43	38.43	722,927.85	722,927 85	439,792.92	439,792.92	0.03	-283,134.93	-283,134.93
75886F107	REGENERON PHARMACEUTICALS NC	5,456.000	488.29	488.29	1,942,028.38	1,942,028 38	2,664,110.24	2,664,110.24	0.18	722,081.86	722,081.86
7591EP100	REGIONS F NANCIAL CORP	65,881.000	8.97	8.97	727,984.89	727,984 89	590,952.57	590,952.57	0.04	-137,032.32	-137,032.32
760759100	REPUBLIC SERVICES INC	14,386.000	75.06	75.06	815,371.84	815,371 84	1,079,813.16	1,079,813.16	0.07	264,441.32	264,441.32
761152107	RESMED INC	9,820.000	147.29	147.29	1,183,801.45	1,183,801.45	1,446,387.80	1,446,387.80	0.10	262,586.35	262,586.35
770323103	ROBERT HALF INTERNATIONAL NC	8,029.000	37.75	37.75	310,280.50	310,280 50	303,094.75	303,094.75	0.02	-7,185.75	-7,185.75

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
773903109	ROCKWELL AUTOMATION INC	7,891.000	150.91	150.91	897,554.88	897,554 88	1,190,830.81	1,190,830.81	0.08	293,275.93	293,275.93
775711104	ROLLINS INC	9,616.000	36.14	36.14	368,782.73	368,782.73	347,522.24	347,522.24	0.02	-21,260.49	-21,260.49
776696106	ROPER TECHNOLOG ES NC	7,107.000	311.81	311.81	1,331,557.15	1,331,557.15	2,216,033.67	2,216,033.67	0.15	884,476.52	884,476.52
778296103	ROSS STORES NC	24,705.000	86.97	86.97	1,270,247.53	1,270,247 53	2,148,593.85	2,148,593.85	0.15	878,346.32	878,346.32
78409V104	S&P GLOBAL INC	16,691.000	245.05	245.05	2,109,546.12	2,109,546.12	4,090,129.55	4,090,129.55	0.28	1,980,583.43	1,980,583.43
78410G104	SBA COMMUNICATIONS CORP	7,690.000	269.97	269.97	1,464,545.13	1,464,545.13	2,076,069.30	2,076,069.30	0.14	611,524.17	611,524.17
78440X101	SL GREEN REALTY CORP	5,567.000	43.10	43.10	592,973.28	592,973 28	239,937.70	239,937.70	0.02	-353,035.58	-353,035.58
78486Q101	SVB FINANCIAL GROUP	3,522.000	151.08	151.08	959,657.01	959,657 01	532,103.76	532,103.76	0.04	-427,553.25	-427,553.25
79466L302	SALESFORCE.COM INC	60,578.000	143.98	143.98	6,387,760.61	6,387,760 61	8,722,020.44	8,722,020.44	0.59	2,334,259.83	2,334,259.83
806407102	HENRY SCHEIN NC	10,022.000	50.52	50.52	576,560.91	576,560 91	506,311.44	506,311.44	0.03	-70,249.47	-70,249.47
806857108	SCHLUMBERGER LTD	94,548.000	13.49	13.49	3,900,614.12	3,900,614.12	1,275,452.52	1,275,452.52	0.09	-2,625,161.60	-2,625,161.60
808513105	CHARLES SCHWAB CORP/THE	78,081.000	33.62	33.62	2,247,182.11	2,247,182.11	2,625,083.22	2,625,083.22	0.18	377,901.11	377,901.11
81211K100	SEALED AIR CORP	10,553.000	24.71	24.71	302,570.36	302,570 36	260,764.63	260,764.63	0.02	-41,805.73	-41,805.73
816851109	SEMPRA ENERGY	19,252.000	112.99	112.99	1,821,783.58	1,821,783 58	2,175,283.48	2,175,283.48	0.15	353,499.90	353,499.90
81762P102	SERVICENOW INC	12,881.000	286.58	286.58	3,695,498.21	3,695,498 21	3,691,436.98	3,691,436.98	0.25	-4,061.23	-4,061.23
824348106	SHERWIN-W LLIAMS CO/THE	5,611.000	459.52	459.52	1,583,139.68	1,583,139 68	2,578,366.72	2,578,366.72	0.18	995,227.04	995,227.04
828806109	SIMON PROPERTY GROUP INC	20,957.000	54.86	54.86	2,273,164.41	2,273,164.41	1,149,701.02	1,149,701.02	0.08	-1,123,463.39	-1,123,463.39
83088M102	SKYWORKS SOLUTIONS INC	11,636.000	89.38	89.38	1,020,741.32	1,020,741 32	1,040,025.68	1,040,025.68	0.07	19,284.36	19,284.36
831865209	AO SMITH CORP	9,361.000	37.81	37.81	490,658.04	490,658 04	353,939.41	353,939.41	0.02	-136,718.63	-136,718.63
832696405	JM SMUCKER CO/THE	7,790.000	111.00	111.00	719,072.17	719,072.17	864,690.00	864,690.00	0.06	145,617.83	145,617.83
833034101	SNAP-ON NC	3,746.000	108.82	108.82	367,693.32	367,693 32	407,639.72	407,639.72	0.03	39,946.40	39,946.40
842587107	SOUTHERN CO/THE	71,624.000	54.14	54.14	3,202,674.01	3,202,674 01	3,877,723.36	3,877,723.36	0.26	675,049.35	675,049.35
844741108	SOUTHWEST A RLINES CO	32,348.000	35.61	35.61	876,336.07	876,336 07	1,151,912.28	1,151,912.28	0.08	275,576.21	275,576.21
854502101	STANLEY BLACK & DECKER INC	10,382.000	100.00	100.00	890,581.82	890,581 82	1,038,200.00	1,038,200.00	0.07	147,618.18	147,618.18
855244109	STARBUCKS CORP	80,657.000	65.74	65.74	3,827,936.70	3,827,936.70	5,302,391.18	5,302,391.18	0.36	1,474,454.48	1,474,454.48
857477103	STATE STREET CORP	24,834.000	53.27	53.27	1,351,905.28	1,351,905 28	1,322,907.18	1,322,907.18	0.09	-28,998.10	-28,998.10
863667101	STRYKER CORP	21,990.000	166.49	166.49	2,753,683.37	2,753,683 37	3,661,115.10	3,661,115.10	0.25	907,431.73	907,431.73
871607107	SYNOPSYS INC	10,267.000	128.79	128.79	976,808.30	976,808 30	1,322,286.93	1,322,286.93	0.09	345,478.63	345,478.63
87165B103	SYNCHRONY FINANCIAL	38,546.000	16.09	16.09	1,159,397.94	1,159,397 94	620,205.14	620,205.14	0.04	-539,192.80	-539,192.80
871829107	SYSCO CORP	34,846.000	45.63	45.63	1,656,424.56	1,656,424 56	1,590,022.98	1,590,022.98	0.11	-66,401.58	-66,401.58
872540109	TJX COS NC/THE	82,820.000	47.81	47.81	2,706,600.10	2,706,600.10	3,959,624.20	3,959,624.20	0.27	1,253,024.10	1,253,024.10
872590104	T-MOBILE US NC	21,620.000	83.90	83.90	1,779,783.92	1,779,783 92	1,813,918.00	1,813,918.00	0.12	34,134.08	34,134.08
874054109	TAKE-TWO INTERACTIVE SOFTWARE	7,730.000	118.61	118.61	837,445.09	837,445 09	916,855.30	916,855.30	0.06	79,410.21	79,410.21
876030107	TAPESTRY INC	18,845.000	12.95	12.95	764,115.69	764,115 69	244,042.75	244,042.75	0.02	-520,072.94	-520,072.94
87612E106	TARGET CORP	34,608.000	92.97	92.97	2,602,805.00	2,602,805 00	3,217,505.76	3,217,505.76	0.22	614,700.76	614,700.76
879369106	TELEFLEX INC	3,162.000	292.86	292.86	981,544.30	981,544 30	926,023.32	926,023.32	0.06	-55,520.98	-55,520.98
882508104	TEXAS INSTRUMENTS NC	63,841.000	99.93	99.93	4,006,947.96	4,006,947 96	6,379,631.13	6,379,631.13	0.44	2,372,683.17	2,372,683.17
883203101	TEXTRON INC	15,589.000	26.67	26.67	487,744.79	487,744.79	415,758.63	415,758.63	0.03	-71,986.16	-71,986.16
883556102	THERMO FISHER SCIENT FIC NC	27,386.000	283.60	283.60	4,508,850.07	4,508,850 07	7,766,669.60	7,766,669.60	0.53	3,257,819.53	3,257,819.53
88579Y101	3M CO	39,273.000	136.51	136.51	4,101,446.33	4,101,446 33	5,361,157.23	5,361,157.23	0.37	1,259,710.90	1,259,710.90
886547108	T FFANY & CO	7,372.000	129.50	129.50	648,160.43	648,160.43	954,674.00	954,674.00	0.07	306,513.57	306,513.57
892356106	TRACTOR SUPPLY CO	8,085.000	84.55	84.55	662,583.22	662,583 22	683,586.75	683,586.75	0.05	21,003.53	21,003.53
893641100	TRANSDIGM GROUP NC	3,401.000	320.19	320.19	1,168,961.14	1,168,961.14	1,088,966.19	1,088,966.19	0.07	-79,994.95	-79,994.95
89417E109	TRAVELERS COS NC/THE	17,628.000	99.35	99.35	1,441,745.29	1,441,745 29	1,751,341.80	1,751,341.80	0.12	309,596.51	309,596.51

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
89832Q109	TRUIST F NANCIAL CORP	91,589.000	30.84	30.84	3,084,731.64	3,084,731 64	2,824,604.76	2,824,604.76	0.19	-260,126.88	-260,126.88
90184L102	TWITTER INC	53,022.000	24.56	24.56	2,060,899.20	2,060,899 20	1,302,220.32	1,302,220.32	0.09	-758,678.88	-758,678.88
902494103	TYSON FOODS INC	20,160.000	57.87	57.87	903,547.02	903,547 02	1,166,659.20	1,166,659.20	0.08	263,112.18	263,112.18
902653104	UDR INC	20,014.000	36.54	36.54	816,160.09	816,160 09	731,311.56	731,311.56	0.05	-84,848.53	-84,848.53
902973304	US BANCORP	97,068.000	34.45	34.45	3,507,654.22	3,507,654 22	3,343,992.60	3,343,992.60	0.23	-163,661.62	-163,661.62
90384S303	ULTA BEAUTY INC	3,904.000	175.70	175.70	891,228.78	891,228.78	685,932.80	685,932.80	0.05	-205,295.98	-205,295.98
904311107	UNDER ARMOUR INC	12,853.000	9.21	9.21	312,622.79	312,622.79	118,376.13	118,376.13	0.01	-194,246.66	-194,246.66
904311206	UNDER ARMOUR INC	13,289.000	8.06	8.06	308,063.87	308,063 87	107,109.34	107,109.34	0.01	-200,954.53	-200,954.53
907818108	UNION PACIFIC CORP	47,411.000	141.04	141.04	3,709,311.59	3,709,311 59	6,686,847.44	6,686,847.44	0.46	2,977,535.85	2,977,535.85
910047109	UNITED A RLINES HOLDINGS INC	14,862.000	31.55	31.55	886,673.47	886,673.47	468,896.10	468,896.10	0.03	-417,777.37	-417,777.37
911312106	UNITED PARCEL SERVICE INC	47,859.000	93.42	93.42	4,075,525.82	4,075,525 82	4,470,987.78	4,470,987.78	0.30	395,461.96	395,461.96
911363109	UNITED RENTALS INC	5,133.000	102.90	102.90	547,526.55	547,526 55	528,185.70	528,185.70	0.04	-19,340.85	-19,340.85
913017109	UNITED TECHNOLOG ES CORP	55,409.000	94.33	94.33	4,497,911.26	4,497,911 26	5,226,730.97	5,226,730.97	0.36	728,819.71	728,819.71
91324P102	UNITEDHEALTH GROUP NC	64,704.000	249.38	249.38	8,586,064.50	8,586,064 50	16,135,883.52	16,135,883.52	1.10	7,549,819.02	7,549,819.02
913903100	UNIVERSAL HEALTH SERVICES INC	5,486.000	99.08	99.08	638,772.30	638,772 30	543,552.88	543,552.88	0.04	-95,219.42	-95,219.42
91529Y106	UNUM GROUP	14,087.000	15.01	15.01	356,113.89	356,113 89	211,445.87	211,445.87	0.01	-144,668.02	-144,668.02
918204108	VF CORP	22,366.000	54.08	54.08	1,328,596.78	1,328,596.78	1,209,553.28	1,209,553.28	0.08	-119,043.50	-119,043.50
91913Y100	VALERO ENERGY CORP	28,046.000	45.36	45.36	1,209,375.78	1,209,375.78	1,272,166.56	1,272,166.56	0.09	62,790.78	62,790.78
92220P105	VARIAN MEDICAL SYSTEMS INC	6,208.000	102.66	102.66	509,755.21	509,755 21	637,313.28	637,313.28	0.04	127,558.07	127,558.07
92276F100	VENTAS INC	25,456.000	26.80	26.80	1,335,352.65	1,335,352 65	682,220.80	682,220.80	0.05	-653,131.85	-653,131.85
92343E102	VERISIGN INC	7,056.000	180.09	180.09	801,019.84	801,019 84	1,270,715.04	1,270,715.04	0.09	469,695.20	469,695.20
92343V104	VERIZON COMMUNICATIONS INC	282,456.000	53.73	53.73	12,399,207.11	12,399,207.11	15,176,360.88	15,176,360.88	1.04	2,777,153.77	2,777,153.77
92345Y106	VERISK ANALYTICS INC	11,192.000	139.38	139.38	1,166,945.40	1,166,945.40	1,559,940.96	1,559,940.96	0.11	392,995.56	392,995.56
92532F100	VERTEX PHARMACEUTICALS INC	17,562.000	237.95	237.95	2,327,914.52	2,327,914 52	4,178,877.90	4,178,877.90	0.28	1,850,963.38	1,850,963.38
92556H206	VIACOMCBS INC	36,907.000	14.01	14.01	1,520,278.46	1,520,278.46	517,067.07	517,067.07	0.04	-1,003,211.39	-1,003,211.39
92826C839	VISA INC	116,911.000	161.12	161.12	10,098,298.04	10,098,298 04	18,836,700.32	18,836,700.32	1.28	8,738,402.28	8,738,402.28
929042109	VORNADO REALTY TRUST	10,818.000	36.21	36.21	665,901.84	665,901 84	391,719.78	391,719.78	0.03	-274,182.06	-274,182.06
929160109	VULCAN MATERIALS CO	9,039.000	108.07	108.07	740,571.11	740,571.11	976,844.73	976,844.73	0.07	236,273.62	236,273.62
92939U106	WEC ENERGY GROUP NC	21,543.000	88.13	88.13	1,235,497.83	1,235,497 83	1,898,584.59	1,898,584.59	0.13	663,086.76	663,086.76
929740108	WESTINGHOUSE A R BRAKE TECHNOL	12,436.000	48.13	48.13	851,715.54	851,715 54	598,544.68	598,544.68	0.04	-253,170.86	-253,170.86
931142103	WALMART INC	96,883.000	113.62	113.62	7,444,022.00	7,444,022 00	11,007,846.46	11,007,846.46	0.75	3,563,824.46	3,563,824.46
931427108	WALGREENS BOOTS ALLIANCE NC	51,204.000	45.75	45.75	2,696,493.76	2,696,493.76	2,342,583.00	2,342,583.00	0.16	-353,910.76	-353,910.76
94106L109	WASTE MANAGEMENT INC	26,656.000	92.56	92.56	1,685,242.65	1,685,242 65	2,467,279.36	2,467,279.36	0.17	782,036.71	782,036.71
941848103	WATERS CORP	4,401.000	182.05	182.05	557,858.48	557,858.48	801,202.05	801,202.05	0.05	243,343.57	243,343.57
949746101	WELLS FARGO & CO	262,851.000	28.70	28.70	9,625,155.78	9,625,155.78	7,543,823.70	7,543,823.70	0.51	-2,081,332.08	-2,081,332.08
95040Q104	WELLTOWER INC	27,712.000	45.78	45.78	1,807,957.51	1,807,957 51	1,268,655.36	1,268,655.36	0.09	-539,302.15	-539,302.15
958102105	WESTERN DIGITAL CORP	20,311.000	41.62	41.62	944,604.55	944,604 55	845,343.82	845,343.82	0.06	-99,260.73	-99,260.73
959802109	WESTERN UNION CO/THE	28,633.000	18.13	18.13	480,656.81	480,656 81	519,116.29	519,116.29	0.04	38,459.48	38,459.48
96145D105	WESTROCK CO	17,613.000	28.26	28.26	674,418.13	674,418.13	497,743.38	497,743.38	0.03	-176,674.75	-176,674.75
962166104	WEYERHAEUSER CO	50,890.000	16.95	16.95	1,301,370.37	1,301,370 37	862,585.50	862,585.50	0.06	-438,784.87	-438,784.87
963320106	WH RLPOOL CORP	4,316.000	85.80	85.80	402,314.44	402,314.44	370,312.80	370,312.80	0.03	-32,001.64	-32,001.64
969457100	W LLIAMS COS NC/THE	82,778.000	14.15	14.15	2,009,099.85	2,009,099 85	1,171,308.70	1,171,308.70	0.08	-837,791.15	-837,791.15
983134107	WYNN RESORTS LTD	6,599.000	60.19	60.19	692,968.91	692,968 91	397,193.81	397,193.81	0.03	-295,775.10	-295,775.10
98389B100	XCEL ENERGY INC	35,813.000	60.30	60.30	1,409,038.59	1,409,038 59	2,159,523.90	2,159,523.90	0.15	750,485.31	750,485.31

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Asset Detail

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As Of Date : 3/31/2020

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Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
983919101	XILINX INC	17,174.000	77.94	77.94	1,007,722.62	1,007,722 62	1,338,541.56	1,338,541.56	0.09	330,818.94	330,818.94
98419M100	XYLEM NC/NY	12,299.000	65.13	65.13	578,115.44	578,115.44	801,033.87	801,033.87	0.05	222,918.43	222,918.43
98421M106	XEROX HOLDINGS CORP	12,698.000	18.94	18.94	321,843.37	321,843 37	240,500.12	240,500.12	0.02	-81,343.25	-81,343.25
988498101	YUM! BRANDS INC	20,657.000	68.53	68.53	1,175,171.83	1,175,171 83	1,415,624.21	1,415,624.21	0.10	240,452.38	240,452.38
989207105	ZEBRA TECHNOLOGIES CORP	3,683.000	183.60	183.60	896,267.04	896,267 04	676,198.80	676,198.80	0.05	-220,068.24	-220,068.24
98956P102	Z MMER BIOMET HOLDINGS INC	14,047.000	101.08	101.08	1,423,646.74	1,423,646.74	1,419,870.76	1,419,870.76	0.10	-3,775.98	-3,775.98
989701107	ZIONS BANCORP NA	11,642.000	26.76	26.76	332,261.03	332,261 03	311,539.92	311,539.92	0.02	-20,721.11	-20,721.11
98978V103	ZOETIS INC	32,529.000	117.69	117.69	2,165,078.42	2,165,078.42	3,828,338.01	3,828,338.01	0.26	1,663,259.59	1,663,259.59
G0176J109	ALLEGION PLC	6,346.000	92.02	92.02	398,484.90	398,484 90	583,958.92	583,958.92	0.04	185,474.02	185,474.02
G0177J108	ALLERGAN PLC	22,420.000	177.10	177.10	4,545,613.40	4,545,613.40	3,970,582.00	3,970,582.00	0.27	-575,031.40	-575,031.40
G0250X107	AMCOR PLC	110,649.000	8.12	8.12	1,153,172.99	1,153,172 99	898,469.88	898,469.88	0.06	-254,703.11	-254,703.11
G0408V102	AON PLC/UK	15,991.000	165.04	165.04	1,714,811.56	1,714,811 56	2,639,154.64	2,639,154.64	0.18	924,343.08	924,343.08
G1151C101	ACCENTURE PLC	43,372.000	163.26	163.26	4,822,026.18	4,822,026.18	7,080,912.72	7,080,912.72	0.48	2,258,886.54	2,258,886.54
G1890L107	CAPRI HOLDINGS LTD	10,356.000	10.79	10.79	549,664.69	549,664 69	111,741.24	111,741.24	0.01	-437,923.45	-437,923.45
G29183103	EATON CORP PLC	28,233.000	77.69	77.69	1,793,761.79	1,793,761.79	2,193,421.77	2,193,421.77	0.15	399,659.98	399,659.98
G3223R108	EVEREST RE GROUP LTD	2,785.000	192.42	192.42	691,296.18	691,296.18	535,889.70	535,889.70	0.04	-155,406.48	-155,406.48
G47567105	IHS MARKIT LTD	27,386.000	60.00	60.00	1,501,279.47	1,501,279.47	1,643,160.00	1,643,160.00	0.11	141,880.53	141,880.53
G491BT108	INVESCO LTD	25,419.000	9.08	9.08	486,643.38	486,643 38	230,804.52	230,804.52	0.02	-255,838.86	-255,838.86
G51502105	JOHNSON CONTROLS INTERNATIONAL	52,685.000	26.96	26.96	1,948,656.81	1,948,656 81	1,420,387.60	1,420,387.60	0.10	-528,269.21	-528,269.21
G5494J103	LINDE PLC	36,687.000	173.00	173.00	4,887,913.75	4,887,913.75	6,346,851.00	6,346,851.00	0.43	1,458,937.25	1,458,937.25
G5960L103	MEDTRONIC PLC	91,542.000	90.18	90.18	7,652,403.06	7,652,403 06	8,255,257.56	8,255,257.56	0.56	602,854.50	602,854.50
G6095L109	APTIV PLC	17,435.000	49.24	49.24	896,930.58	896,930 58	858,499.40	858,499.40	0.06	-38,431.18	-38,431.18
G6518L108	NIELSEN HOLD NGS PLC	24,300.000	12.54	12.54	773,798.08	773,798 08	304,722.00	304,722.00	0.02	-469,076.08	-469,076.08
G66721104	NORWEGIAN CRUISE LINE HOLD NGS	14,530.000	10.96	10.96	668,148.18	668,148.18	159,248.80	159,248.80	0.01	-508,899.38	-508,899.38
G7945M107	SEAGATE TECHNOLOGY PLC	15,789.000	48.80	48.80	547,431.86	547,431 86	770,503.20	770,503.20	0.05	223,071.34	223,071.34
G7S00T104	PENTA R PLC	11,480.000	29.76	29.76	356,136.90	356,136 90	341,644.80	341,644.80	0.02	-14,492.10	-14,492.10
G8473T100	STERIS PLC	5,790.000	139.97	139.97	863,807.41	863,807.41	810,426.30	810,426.30	0.06	-53,381.11	-53,381.11
G87110105	TECHNIPFMC PLC	28,701.000	6.74	6.74	778,206.24	778,206 24	193,444.74	193,444.74	0.01	-584,761.50	-584,761.50
G8994E103	TRANE TECHNOLOG ES PLC	16,363.000	82.59	82.59	909,827.60	909,827 60	1,351,420.17	1,351,420.17	0.09	441,592.57	441,592.57
G96629103	W LLIS TOWERS WATSON PLC	8,781.000	169.85	169.85	1,224,206.22	1,224,206 22	1,491,452.85	1,491,452.85	0.10	267,246.63	267,246.63
G97822103	PERRIGO CO PLC	9,296.000	48.09	48.09	1,028,355.68	1,028,355 68	447,044.64	447,044.64	0.03	-581,311.04	-581,311.04
H1467J104	CHUBB LTD	30,952.000	111.69	111.69	3,276,300.77	3,276,300.77	3,457,028.88	3,457,028.88	0.24	180,728.11	180,728.11
H2906T109	GARM N LTD	9,867.000	74.96	74.96	621,067.32	621,067 32	739,630.32	739,630.32	0.05	118,563.00	118,563.00
H84989104	TE CONNECTIVITY LTD	22,843.000	62.98	62.98	1,263,510.98	1,263,510 98	1,438,652.14	1,438,652.14	0.10	175,141.16	175,141.16
N53745100	LYONDELLBASELL INDUSTR ES NV	17,533.000	49.63	49.63	1,113,492.17	1,113,492.17	870,162.79	870,162.79	0.06	-243,329.38	-243,329.38
N59465109	MYLAN NV	35,250.000	14.91	14.91	1,411,533.68	1,411,533 68	525,577.50	525,577.50	0.04	-885,956.18	-885,956.18
V7780T103	ROYAL CARIBBEAN CRUISES LTD	11,740.000	32.17	32.17	930,010.06	930,010 06	377,675.80	377,675.80	0.03	-552,334.26	-552,334.26

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**37,833,264.89**		**38,092,446.14**	**100.00**		**259,181.25**
CASH & CASH EQUIVALENTS							**14,948,253.34**		**14,948,253.34**	**39.24**		**0.00**
U.S. DOLLAR						14,948,253.34	14,948,253.34	14,948,253.34	14,948,253.34	39.24	0.00	0.00
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	14,909,785.960	1.00	1.00	14,909,785.96	14,909,785 96	14,909,785.96	14,909,785.96	39.14	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	37,905.41	37,905.41	37,905.41	37,905.41	0.10	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	661.13	661.13	661.13	661.13	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-99.16	-99.16	-99.16	-99.16	0.00	0.00	0.00
FIXED INCOME SECURITIES							**22,885,011.55**		**23,144,192.80**	**60.76**		**259,181.25**
U.S. DOLLAR						22,885,011.55	22,885,011.55	23,144,192.80	23,144,192.80	60.76	259,181.25	259,181.25
	912828B25	US TREAS-CPI INFLAT 0 625% 01/15/2024 DD 01/15..	22,772,682.000	101.63	101.63	22,885,011.55	22,885,011 55	23,144,192.80	23,144,192.80	60.76	259,181.25	259,181.25

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**58,331,383.52**		**51,992,715.08**	**100.00**		**-6,338,668.44**
CASH & CASH EQUIVALENTS							**290,581.96**		**290,581.96**	**0.56**		**0.00**
U.S. DOLLAR						**290,581.96**	**290,581.96**	**290,581.96**	**290,581.96**	**0.56**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	289,966.320	1.00	1.00	289,966.32	289,966 32	289,966.32	289,966.32	0.56	0.00	0.00
		CASH	0.000	1.00	1.00	7.00	7 00	7.00	7.00	0.00	0.00	0.00
		DIVIDENDS RECEIVABLE	0.000	1.00	1.00	-0.01	-0 01	-0.01	-0.01	0.00	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	104.87	104 87	104.87	104.87	0.00	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	1,502.83	1,502 83	1,502.83	1,502.83	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-88.85	-88 85	-88.85	-88.85	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	-910.20	-910 20	-910.20	-910.20	0.00	0.00	0.00
EQUITY							**58,040,801.56**		**51,702,133.12**	**99.44**		**-6,338,668.44**
U.S. DOLLAR						**58,040,801.56**	**58,040,801.56**	**51,702,133.12**	**51,702,133.12**	**99.44**	**-6,338,668.44**	**-6,338,668.44**
	464287507	ISHARES CORE S&P MIDCAP ETF	359,392.000	143.86	143.86	58,040,801.56	58,040,801 56	51,702,133.12	51,702,133.12	99.44	-6,338,668.44	-6,338,668.44

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**178,329,350.47**		**161,064,870.42**	**100.00**		**-17,264,480.05**
CASH & CASH EQUIVALENTS							**595,723.34**		**595,723.34**	**0.37**		**0.00**
U.S. DOLLAR						**595,723.34**	**595,723.34**	**595,723.34**	**595,723.34**	**0.37**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	334,722.650	1.00	1.00	334,722.65	334,722 65	334,722.65	334,722.65	0.21	0.00	0.00
		CASH	0.000	1.00	1.00	2,327.76	2,327.76	2,327.76	2,327.76	0.00	0.00	0.00
		DIVIDENDS RECEIVABLE	0.000	1.00	1.00	256,118.57	256,118 57	256,118.57	256,118.57	0.16	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	289.17	289.17	289.17	289.17	0.00	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	5,176.93	5,176 93	5,176.93	5,176.93	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-398.50	-398 50	-398.50	-398.50	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	-2,513.24	-2,513 24	-2,513.24	-2,513.24	0.00	0.00	0.00
EQUITY							**177,733,627.13**		**160,469,147.08**	**99.63**		**-17,264,480.05**
U.S. DOLLAR						**177,733,627.13**	**177,733,627.13**	**160,469,147.08**	**160,469,147.08**	**99.63**	**-17,264,480.05**	**-17,264,480.05**
	001055102	AFLAC NC	11,263.000	34.24	34.24	471,365.79	471,365.79	385,645.12	385,645.12	0.24	-85,720.67	-85,720.67
	00206R102	AT&T NC	23,807.000	29.15	29.15	843,701.72	843,701.72	693,974.05	693,974.05	0.43	-149,727.67	-149,727.67
	002824100	ABBOTT LABORATORIES	7,105.000	78.91	78.91	401,545.37	401,545 37	560,655.55	560,655.55	0.35	159,110.18	159,110.18
	00507V109	ACTIVISION BLIZZARD NC	11,274.000	59.48	59.48	541,491.01	541,491 01	670,577.52	670,577.52	0.42	129,086.51	129,086.51
	00724F101	ADOBE INC	1,264.000	318.24	318.24	241,399.81	241,399 81	402,255.36	402,255.36	0.25	160,855.55	160,855.55
	00751Y106	ADVANCE AUTO PARTS INC	2,745.000	93.32	93.32	405,158.11	405,158.11	256,163.40	256,163.40	0.16	-148,994.71	-148,994.71
	007903107	ADVANCED MICRO DEVICES INC	7,357.000	45.48	45.48	155,376.83	155,376 83	334,596.36	334,596.36	0.21	179,219.53	179,219.53
	00846U101	AG LENT TECHNOLOG ES INC	6,689.000	71.62	71.62	433,500.95	433,500 95	479,066.18	479,066.18	0.30	45,565.23	45,565.23
	009158106	AIR PRODUCTS AND CHEMICALS INC	2,354.000	199.61	199.61	403,535.74	403,535.74	469,881.94	469,881.94	0.29	66,346.20	66,346.20
	00971T101	AKAMAI TECHNOLOG ES INC	10,383.000	91.49	91.49	775,009.73	775,009.73	949,940.67	949,940.67	0.59	174,930.94	174,930.94
	012653101	ALBEMARLE CORP	3,690.000	56.37	56.37	290,685.30	290,685 30	208,005.30	208,005.30	0.13	-82,680.00	-82,680.00
	015271109	ALEXANDRIA REAL ESTATE EQUIT E	3,625.000	137.06	137.06	483,954.11	483,954.11	496,842.50	496,842.50	0.31	12,888.39	12,888.39
	015351109	ALEXION PHARMACEUTICALS INC	1,220.000	89.79	89.79	137,266.79	137,266.79	109,543.80	109,543.80	0.07	-27,722.99	-27,722.99
	017175100	ALLEGHANY CORP	788.000	552.35	552.35	464,521.08	464,521 08	435,251.80	435,251.80	0.27	-29,269.28	-29,269.28
	018802108	ALLIANT ENERGY CORP	12,543.000	48.29	48.29	528,327.71	528,327.71	605,701.47	605,701.47	0.38	77,373.76	77,373.76
	020002101	ALLSTATE CORP/THE	5,101.000	91.73	91.73	450,917.27	450,917 27	467,914.73	467,914.73	0.29	16,997.46	16,997.46
	02005N100	ALLY F NANCIAL INC	15,101.000	14.43	14.43	358,592.82	358,592 82	217,907.43	217,907.43	0.14	-140,685.39	-140,685.39
	02079K305	ALPHABET NC-CL A	369.000	1,161.95	1,161.95	404,119.10	404,119.10	428,759.55	428,759.55	0.27	24,640.45	24,640.45
	023608102	AMEREN CORP	17,950.000	72.83	72.83	1,096,799.59	1,096,799 59	1,307,298.50	1,307,298.50	0.81	210,498.91	210,498.91
	025537101	AMERICAN ELECTRIC POWER CO INC	12,114.000	79.98	79.98	975,385.54	975,385 54	968,877.72	968,877.72	0.60	-6,507.82	-6,507.82
	025816109	AMERICAN EXPRESS CO	1,616.000	85.61	85.61	137,111.09	137,111 09	138,345.76	138,345.76	0.09	1,234.67	1,234.67
	026874784	AMERICAN INTERNATIONAL GROUP I	15,749.000	24.25	24.25	790,545.00	790,545 00	381,913.25	381,913.25	0.24	-408,631.75	-408,631.75
	030420103	AMERICAN WATER WORKS CO INC	5,651.000	119.56	119.56	513,517.72	513,517.72	675,633.56	675,633.56	0.42	162,115.84	162,115.84
	031100100	AMETEK INC	4,040.000	72.02	72.02	250,564.63	250,564 63	290,960.80	290,960.80	0.18	40,396.17	40,396.17
	032095101	AMPHENOL CORP	3,836.000	72.88	72.88	269,142.16	269,142.16	279,567.68	279,567.68	0.17	10,425.52	10,425.52
	032654105	ANALOG DEVICES INC	5,540.000	89.65	89.65	615,585.17	615,585.17	496,661.00	496,661.00	0.31	-118,924.17	-118,924.17
	035710409	ANNALY CAPITAL MANAGEMENT INC	81,203.000	5.07	5.07	834,030.37	834,030 37	411,699.21	411,699.21	0.26	-422,331.16	-422,331.16
	03662Q105	ANSYS NC	3,476.000	232.47	232.47	495,210.04	495,210 04	808,065.72	808,065.72	0.50	312,855.68	312,855.68
	036752103	ANTHEM NC	1,844.000	227.04	227.04	379,114.60	379,114 60	418,661.76	418,661.76	0.26	39,547.16	39,547.16

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
037411105	APACHE CORP	19,048.000	4.18	4.18	693,191.60	693,191 60	79,620.64	79,620.64	0.05	-613,570.96	-613,570.96
037833100	APPLE NC	1,577.000	254.29	254.29	321,752.13	321,752.13	401,015.33	401,015.33	0.25	79,263.20	79,263.20
038222105	APPLIED MATERIALS INC	10,907.000	45.82	45.82	548,765.57	548,765 57	499,758.74	499,758.74	0.31	-49,006.83	-49,006.83
039483102	ARCHER-DAN ELS-M DLAND CO	12,207.000	35.18	35.18	531,261.34	531,261 34	429,442.26	429,442.26	0.27	-101,819.08	-101,819.08
03965L100	ARCONIC INC	19,169.000	16.06	16.06	446,581.54	446,581 54	307,854.14	307,854.14	0.19	-138,727.40	-138,727.40
049560105	ATMOS ENERGY CORP	7,453.000	99.23	99.23	777,119.27	777,119 27	739,561.19	739,561.19	0.46	-37,558.08	-37,558.08
053332102	AUTOZONE NC	563.000	846.00	846.00	513,232.53	513,232 53	476,298.00	476,298.00	0.30	-36,934.53	-36,934.53
053484101	AVALONBAY COMMUNITIES NC	2,114.000	147.17	147.17	386,743.41	386,743.41	311,117.38	311,117.38	0.19	-75,626.03	-75,626.03
058498106	BALL CORP	6,461.000	64.66	64.66	329,660.28	329,660 28	417,768.26	417,768.26	0.26	88,107.98	88,107.98
060505104	BANK OF AMERICA CORP	27,050.000	21.23	21.23	673,209.62	673,209 62	574,271.50	574,271.50	0.36	-98,938.12	-98,938.12
064058100	BANK OF NEW YORK MELLON CORP/T	4,021.000	33.68	33.68	191,198.59	191,198 59	135,427.28	135,427.28	0.08	-55,771.31	-55,771.31
071813109	BAXTER INTERNATIONAL NC	7,487.000	81.19	81.19	468,253.17	468,253.17	607,869.53	607,869.53	0.38	139,616.36	139,616.36
084670702	BERKSHIRE HATHAWAY INC	1,876.000	182.83	182.83	336,018.33	336,018 33	342,989.08	342,989.08	0.21	6,970.75	6,970.75
086516101	BEST BUY CO NC	8,180.000	57.00	57.00	373,540.10	373,540.10	466,260.00	466,260.00	0.29	92,719.90	92,719.90
099724106	BORGWARNER NC	7,556.000	24.37	24.37	289,479.98	289,479 98	184,139.72	184,139.72	0.11	-105,340.26	-105,340.26
101137107	BOSTON SCIENT FIC CORP	9,008.000	32.63	32.63	276,258.01	276,258 01	293,931.04	293,931.04	0.18	17,673.03	17,673.03
110122108	BRISTOL-MYERS SQUIBB CO	5,420.000	55.74	55.74	248,364.67	248,364 67	302,110.80	302,110.80	0.19	53,746.13	53,746.13
11133T103	BROADRIDGE FINANCIAL SOLUTIONS	5,039.000	94.83	94.83	501,526.98	501,526 98	477,848.37	477,848.37	0.30	-23,678.61	-23,678.61
11135F101	BROADCOM NC	3,165.000	237.10	237.10	892,386.78	892,386.78	750,421.50	750,421.50	0.47	-141,965.28	-141,965.28
115637209	BROWN-FORMAN CORP	12,319.000	55.51	55.51	639,837.44	639,837.44	683,827.69	683,827.69	0.42	43,990.25	43,990.25
122017106	BURL NGTON STORES NC	875.000	158.46	158.46	148,928.48	148,928.48	138,652.50	138,652.50	0.09	-10,275.98	-10,275.98
12504L109	CBRE GROUP NC	6,499.000	37.71	37.71	292,383.48	292,383.48	245,077.29	245,077.29	0.15	-47,306.19	-47,306.19
12514G108	CDW CORP/DE	4,529.000	93.27	93.27	385,088.57	385,088 57	422,419.83	422,419.83	0.26	37,331.26	37,331.26
12541W209	CH ROBINSON WORLDWIDE INC	2,958.000	66.20	66.20	225,157.30	225,157 30	195,819.60	195,819.60	0.12	-29,337.70	-29,337.70
12572Q105	CME GROUP INC	3,604.000	172.91	172.91	473,424.88	473,424 88	623,167.64	623,167.64	0.39	149,742.76	149,742.76
125896100	CMS ENERGY CORP	20,500.000	58.75	58.75	1,003,927.69	1,003,927 69	1,204,375.00	1,204,375.00	0.75	200,447.31	200,447.31
127097103	CABOT O L & GAS CORP	16,239.000	17.19	17.19	370,281.60	370,281 60	279,148.41	279,148.41	0.17	-91,133.19	-91,133.19
127387108	CADENCE DESIGN SYSTEMS INC	11,775.000	66.04	66.04	573,739.26	573,739 26	777,621.00	777,621.00	0.48	203,881.74	203,881.74
14040H105	CAPITAL ONE F NANCIAL CORP	1,906.000	50.42	50.42	155,635.17	155,635.17	96,100.52	96,100.52	0.06	-59,534.65	-59,534.65
143658300	CARNIVAL CORP	9,165.000	13.17	13.17	477,391.11	477,391.11	120,703.05	120,703.05	0.07	-356,688.06	-356,688.06
150870103	CELANESE CORP	3,709.000	73.39	73.39	363,800.47	363,800.47	272,203.51	272,203.51	0.17	-91,596.96	-91,596.96
15135B101	CENTENE CORP	3,745.000	59.41	59.41	231,772.59	231,772 59	222,490.45	222,490.45	0.14	-9,282.14	-9,282.14
15189T107	CENTERPOINT ENERGY INC	19,857.000	15.45	15.45	527,003.59	527,003 59	306,790.65	306,790.65	0.19	-220,212.94	-220,212.94
156700106	CENTURYLINK NC	11,675.000	9.46	9.46	170,750.77	170,750.77	110,445.50	110,445.50	0.07	-60,305.27	-60,305.27
156782104	CERNER CORP	2,665.000	62.99	62.99	161,867.96	161,867 96	167,868.35	167,868.35	0.10	6,000.39	6,000.39
16119P108	CHARTER COMMUNICATIONS NC	1,242.000	436.31	436.31	490,932.12	490,932.12	541,897.02	541,897.02	0.34	50,964.90	50,964.90
166764100	CHEVRON CORP	5,131.000	72.46	72.46	596,337.46	596,337.46	371,792.26	371,792.26	0.23	-224,545.20	-224,545.20
169656105	CH POTLE MEXICAN GRILL INC	905.000	654.40	654.40	452,986.83	452,986 83	592,232.00	592,232.00	0.37	139,245.17	139,245.17
171340102	CHURCH & DWIGHT CO INC	6,987.000	64.18	64.18	423,511.72	423,511.72	448,425.66	448,425.66	0.28	24,913.94	24,913.94
172062101	CINCINNATI FINANCIAL CORP	6,878.000	75.45	75.45	529,483.16	529,483.16	518,945.10	518,945.10	0.32	-10,538.06	-10,538.06
17275R102	CISCO SYSTEMS NC	6,516.000	39.31	39.31	259,842.09	259,842 09	256,143.96	256,143.96	0.16	-3,698.13	-3,698.13
172908105	CINTAS CORP	2,445.000	173.22	173.22	392,365.74	392,365.74	423,522.90	423,522.90	0.26	31,157.16	31,157.16
172967424	CITIGROUP NC	4,339.000	42.12	42.12	289,205.34	289,205 34	182,758.68	182,758.68	0.11	-106,446.66	-106,446.66
174610105	CITIZENS FINANCIAL GROUP INC	9,099.000	18.81	18.81	298,699.64	298,699 64	171,152.19	171,152.19	0.11	-127,547.45	-127,547.45

BNY MELLON

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177376100	CITRIX SYSTEMS INC	3,091.000	141.55	141.55	287,603.63	287,603 63	437,531.05	437,531.05	0.27	149,927.42	149,927.42
189054109	CLOROX CO/THE	2,926.000	173.25	173.25	416,167.29	416,167 29	506,929.50	506,929.50	0.31	90,762.21	90,762.21
191216100	COCA-COLA CO/THE	9,608.000	44.25	44.25	451,406.90	451,406 90	425,154.00	425,154.00	0.26	-26,252.90	-26,252.90
192446102	COGNIZANT TECHNOLOGY SOLUTIONS	9,752.000	46.47	46.47	717,612.33	717,612 33	453,175.44	453,175.44	0.28	-264,436.89	-264,436.89
194162103	COLGATE-PALMOLIVE CO	6,051.000	66.36	66.36	411,978.02	411,978 02	401,544.36	401,544.36	0.25	-10,433.66	-10,433.66
20030N101	COMCAST CORP	18,134.000	34.38	34.38	677,779.36	677,779 36	623,446.92	623,446.92	0.39	-54,332.44	-54,332.44
200340107	COMERICA NC	3,413.000	29.34	29.34	207,310.78	207,310.78	100,137.42	100,137.42	0.06	-107,173.36	-107,173.36
205887102	CONAGRA BRANDS INC	19,701.000	29.34	29.34	563,782.21	563,782 21	578,027.34	578,027.34	0.36	14,245.13	14,245.13
20605P101	CONCHO RESOURCES INC	5,095.000	42.85	42.85	599,243.19	599,243.19	218,320.75	218,320.75	0.14	-380,922.44	-380,922.44
20825C104	CONOCOPHILLIPS	6,754.000	30.80	30.80	414,977.39	414,977 39	208,023.20	208,023.20	0.13	-206,954.19	-206,954.19
209115104	CONSOLIDATED EDISON INC	14,033.000	78.00	78.00	1,148,288.61	1,148,288 61	1,094,574.00	1,094,574.00	0.68	-53,714.61	-53,714.61
21036P108	CONSTELLATION BRANDS NC	2,049.000	143.36	143.36	362,949.03	362,949 03	293,744.64	293,744.64	0.18	-69,204.39	-69,204.39
216648402	COOPER COS INC/THE	2,290.000	275.67	275.67	516,636.77	516,636.77	631,284.30	631,284.30	0.39	114,647.53	114,647.53
217204106	COPART INC	2,930.000	68.52	68.52	163,734.55	163,734 55	200,763.60	200,763.60	0.12	37,029.05	37,029.05
219350105	CORNING NC	14,202.000	20.54	20.54	397,664.58	397,664 58	291,709.08	291,709.08	0.18	-105,955.50	-105,955.50
22052L104	CORTEVA INC	19,644.000	23.50	23.50	551,768.73	551,768.73	461,634.00	461,634.00	0.29	-90,134.73	-90,134.73
22160K105	COSTCO WHOLESALE CORP	2,469.000	285.13	285.13	558,135.61	558,135 61	703,985.97	703,985.97	0.44	145,850.36	145,850.36
22160N109	COSTAR GROUP INC	2,009.000	587.21	587.21	1,009,897.79	1,009,897.79	1,179,704.89	1,179,704.89	0.73	169,807.10	169,807.10
22304C100	COVETRUS NC	0.400	8.14	8.14	17.69	17 69	3.26	3.26	0.00	-14.43	-14.43
231021106	CUMMINS INC	3,413.000	135.32	135.32	530,130.45	530,130.45	461,847.16	461,847.16	0.29	-68,283.29	-68,283.29
23331A109	DR HORTON NC	22,223.000	34.00	34.00	938,845.34	938,845 34	755,582.00	755,582.00	0.47	-183,263.34	-183,263.34
233331107	DTE ENERGY CO	7,100.000	94.97	94.97	759,614.28	759,614 28	674,287.00	674,287.00	0.42	-85,327.28	-85,327.28
23355L106	DXC TECHNOLOGY CO	10,406.000	13.05	13.05	600,234.40	600,234.40	135,798.30	135,798.30	0.08	-464,436.10	-464,436.10
235851102	DANAHER CORP	4,061.000	138.41	138.41	381,489.28	381,489 28	562,083.01	562,083.01	0.35	180,593.73	180,593.73
237194105	DARDEN RESTAURANTS NC	4,859.000	54.46	54.46	392,068.08	392,068 08	264,621.14	264,621.14	0.16	-127,446.94	-127,446.94
247361702	DELTA A R L NES INC	8,861.000	28.53	28.53	412,318.75	412,318.75	252,804.33	252,804.33	0.16	-159,514.42	-159,514.42
24906P109	DENTSPLY SIRONA NC	11,931.000	38.83	38.83	593,852.28	593,852 28	463,280.73	463,280.73	0.29	-130,571.55	-130,571.55
25179M103	DEVON ENERGY CORP	10,915.000	6.91	6.91	295,277.97	295,277 97	75,422.65	75,422.65	0.05	-219,855.32	-219,855.32
254687106	WALT DISNEY CO/THE	7,041.000	96.60	96.60	744,402.05	744,402 05	680,160.60	680,160.60	0.42	-64,241.45	-64,241.45
256677105	DOLLAR GENERAL CORP	2,867.000	151.01	151.01	327,481.36	327,481 36	432,945.67	432,945.67	0.27	105,464.31	105,464.31
256746108	DOLLAR TREE INC	3,446.000	73.47	73.47	308,169.99	308,169 99	253,177.62	253,177.62	0.16	-54,992.37	-54,992.37
25746U109	DOM NION ENERGY INC	23,167.000	72.19	72.19	1,771,124.73	1,771,124.73	1,672,425.73	1,672,425.73	1.04	-98,699.00	-98,699.00
25754A201	DOM NO'S PIZZA NC	508.000	324.07	324.07	142,998.40	142,998.40	164,627.56	164,627.56	0.10	21,629.16	21,629.16
260003108	DOVER CORP	5,836.000	83.94	83.94	440,778.45	440,778.45	489,873.84	489,873.84	0.30	49,095.39	49,095.39
260557103	DOW INC	5,712.000	29.24	29.24	307,464.26	307,464 26	167,018.88	167,018.88	0.10	-140,445.38	-140,445.38
264411505	DUKE REALTY CORP	18,249.000	32.38	32.38	509,302.07	509,302 07	590,902.62	590,902.62	0.37	81,600.55	81,600.55
26441C204	DUKE ENERGY CORP	23,713.000	80.88	80.88	2,063,969.22	2,063,969 22	1,917,907.44	1,917,907.44	1.19	-146,061.78	-146,061.78
26614N102	DUPONT DE NEMOURS NC	4,305.000	34.10	34.10	316,755.80	316,755 80	146,800.50	146,800.50	0.09	-169,955.30	-169,955.30
26875P101	EOG RESOURCES INC	3,879.000	35.92	35.92	362,838.94	362,838 94	139,333.68	139,333.68	0.09	-223,505.26	-223,505.26
277432100	EASTMAN CHEMICAL CO	5,465.000	46.58	46.58	447,805.75	447,805.75	254,559.70	254,559.70	0.16	-193,246.05	-193,246.05
278642103	EBAY INC	17,927.000	30.06	30.06	692,869.95	692,869 95	538,885.62	538,885.62	0.33	-153,984.33	-153,984.33
278865100	ECOLAB NC	2,362.000	155.83	155.83	349,271.23	349,271 23	368,070.46	368,070.46	0.23	18,799.23	18,799.23
281020107	EDISON INTERNATIONAL	15,721.000	54.79	54.79	1,096,966.06	1,096,966 06	861,353.59	861,353.59	0.53	-235,612.47	-235,612.47
28176E108	EDWARDS LIFESCIENCES CORP	1,591.000	188.62	188.62	227,456.95	227,456 95	300,094.42	300,094.42	0.19	72,637.47	72,637.47

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28414H103	ELANCO ANIMAL HEALTH INC	9,647.000	22.39	22.39	319,811.89	319,811 89	215,996.33	215,996.33	0.13	-103,815.56	-103,815.56
285512109	ELECTRONIC ARTS NC	7,280.000	100.17	100.17	717,767.09	717,767 09	729,237.60	729,237.60	0.45	11,470.51	11,470.51
291011104	EMERSON ELECTRIC CO	4,608.000	47.65	47.65	292,404.19	292,404.19	219,571.20	219,571.20	0.14	-72,832.99	-72,832.99
29364G103	ENTERGY CORP	14,526.000	93.97	93.97	1,292,809.69	1,292,809 69	1,365,008.22	1,365,008.22	0.85	72,198.53	72,198.53
29476L107	EQUITY RESIDENTIAL	5,241.000	61.71	61.71	358,417.73	358,417.73	323,422.11	323,422.11	0.20	-34,995.62	-34,995.62
297178105	ESSEX PROPERTY TRUST INC	3,295.000	220.24	220.24	813,011.26	813,011 26	725,690.80	725,690.80	0.45	-87,320.46	-87,320.46
30034W106	EVERGY INC	16,226.000	55.05	55.05	915,673.52	915,673 52	893,241.30	893,241.30	0.55	-22,432.22	-22,432.22
30040W108	EVERSOURCE ENERGY	7,901.000	78.21	78.21	505,057.27	505,057 27	617,937.21	617,937.21	0.38	112,879.94	112,879.94
30161N101	EXELON CORP	13,350.000	36.81	36.81	547,674.89	547,674 89	491,413.50	491,413.50	0.31	-56,261.39	-56,261.39
30212P303	EXPEDIA GROUP INC	1,735.000	56.27	56.27	207,234.46	207,234.46	97,628.45	97,628.45	0.06	-109,606.01	-109,606.01
302130109	EXPEDITORS INTERNATIONAL OF WA	3,821.000	66.72	66.72	219,746.70	219,746.70	254,937.12	254,937.12	0.16	35,190.42	35,190.42
30231G102	EXXON MOBIL CORP	6,250.000	37.97	37.97	509,380.16	509,380.16	237,312.50	237,312.50	0.15	-272,067.66	-272,067.66
30303M102	FACEBOOK NC	2,841.000	166.80	166.80	573,062.44	573,062.44	473,878.80	473,878.80	0.29	-99,183.64	-99,183.64
303075105	FACTSET RESEARCH SYSTEMS NC	1,461.000	260.68	260.68	408,481.37	408,481 37	380,853.48	380,853.48	0.24	-27,627.89	-27,627.89
311900104	FASTENAL CO	13,599.000	31.25	31.25	403,098.06	403,098 06	424,968.75	424,968.75	0.26	21,870.69	21,870.69
313747206	FEDERAL REALTY INVESTMENT TRUS	1,262.000	74.61	74.61	156,674.20	156,674 20	94,157.82	94,157.82	0.06	-62,516.38	-62,516.38
31428X106	FEDEX CORP	1,175.000	121.26	121.26	212,673.37	212,673 37	142,480.50	142,480.50	0.09	-70,192.87	-70,192.87
315616102	F5 NETWORKS NC	4,435.000	106.63	106.63	657,481.28	657,481 28	472,904.05	472,904.05	0.29	-184,577.23	-184,577.23
31620M106	F DELITY NATIONAL INFORMATION	3,479.000	121.64	121.64	308,457.72	308,457.72	423,185.56	423,185.56	0.26	114,727.84	114,727.84
31620R303	F DELITY NATIONAL F NANCIAL IN	12,765.000	24.88	24.88	438,625.26	438,625 26	317,593.20	317,593.20	0.20	-121,032.06	-121,032.06
316773100	F FTH THIRD BANCORP	24,784.000	14.85	14.85	625,144.94	625,144 94	368,042.40	368,042.40	0.23	-257,102.54	-257,102.54
337738108	FISERV INC	6,723.000	94.99	94.99	545,455.19	545,455.19	638,617.77	638,617.77	0.40	93,162.58	93,162.58
337932107	F RSTENERGY CORP	29,151.000	40.07	40.07	1,072,589.81	1,072,589 81	1,168,080.57	1,168,080.57	0.73	95,490.76	95,490.76
345370860	FORD MOTOR CO	43,363.000	4.83	4.83	426,185.59	426,185 59	209,443.29	209,443.29	0.13	-216,742.30	-216,742.30
34959E109	FORTINET INC	1,993.000	101.17	101.17	156,238.82	156,238 82	201,631.81	201,631.81	0.13	45,392.99	45,392.99
34959J108	FORTIVE CORP	2,997.000	55.19	55.19	214,574.22	214,574 22	165,404.43	165,404.43	0.10	-49,169.79	-49,169.79
34964C106	FORTUNE BRANDS HOME & SECURITY	4,665.000	43.25	43.25	260,460.40	260,460.40	201,761.25	201,761.25	0.13	-58,699.15	-58,699.15
35137L105	FOX CORP	9,916.000	23.63	23.63	336,800.23	336,800 23	234,315.08	234,315.08	0.15	-102,485.15	-102,485.15
354613101	FRANKLIN RESOURCES INC	8,077.000	16.69	16.69	259,352.37	259,352 37	134,805.13	134,805.13	0.08	-124,547.24	-124,547.24
35671D857	FREEPORT-MCMORAN INC	25,952.000	6.75	6.75	335,256.89	335,256 89	175,176.00	175,176.00	0.11	-160,080.89	-160,080.89
363576109	ARTHUR J GALLAGHER & CO	5,938.000	81.51	81.51	364,196.07	364,196 07	484,006.38	484,006.38	0.30	119,810.31	119,810.31
366651107	GARTNER NC	1,760.000	99.57	99.57	271,564.92	271,564 92	175,243.20	175,243.20	0.11	-96,321.72	-96,321.72
37045V100	GENERAL MOTORS CO	11,314.000	20.78	20.78	425,238.33	425,238 33	235,104.92	235,104.92	0.15	-190,133.41	-190,133.41
372460105	GENUINE PARTS CO	3,701.000	67.33	67.33	350,759.83	350,759 83	249,188.33	249,188.33	0.15	-101,571.50	-101,571.50
375558103	G LEAD SC ENCES NC	4,238.000	74.76	74.76	286,413.52	286,413 52	316,832.88	316,832.88	0.20	30,419.36	30,419.36
37959E102	GLOBE LIFE INC	4,630.000	71.97	71.97	368,640.23	368,640 23	333,221.10	333,221.10	0.21	-35,419.13	-35,419.13
380237107	GODADDY NC	4,173.000	57.11	57.11	285,201.32	285,201 32	238,320.03	238,320.03	0.15	-46,881.29	-46,881.29
38141G104	GOLDMAN SACHS GROUP INC/THE	908.000	154.59	154.59	176,888.71	176,888.71	140,367.72	140,367.72	0.09	-36,520.99	-36,520.99
384802104	WW GRA NGER INC	1,118.000	248.50	248.50	281,123.11	281,123.11	277,823.00	277,823.00	0.17	-3,300.11	-3,300.11
416515104	HARTFORD FINANCIAL SERVICES GR	18,761.000	35.24	35.24	941,806.11	941,806.11	661,137.64	661,137.64	0.41	-280,668.47	-280,668.47
418056107	HASBRO NC	4,138.000	71.55	71.55	352,448.61	352,448 61	296,073.90	296,073.90	0.18	-56,374.71	-56,374.71
42250P103	HEALTHPEAK PROPERT ES INC	18,111.000	23.85	23.85	548,244.40	548,244.40	431,947.35	431,947.35	0.27	-116,297.05	-116,297.05
427866108	HERSHEY CO/THE	5,833.000	132.50	132.50	696,267.72	696,267.72	772,872.50	772,872.50	0.48	76,604.78	76,604.78
42809H107	HESS CORP	12,303.000	33.30	33.30	694,121.34	694,121 34	409,689.90	409,689.90	0.25	-284,431.44	-284,431.44

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

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Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
42824C109	HEWLETT PACKARD ENTERPRISE CO	25,155.000	9.71	9.71	367,791.52	367,791 52	244,255.05	244,255.05	0.15	-123,536.47	-123,536.47
436106108	HOLLYFRONTIER CORP	2,832.000	24.51	24.51	123,238.81	123,238 81	69,412.32	69,412.32	0.04	-53,826.49	-53,826.49
436440101	HOLOGIC INC	12,183.000	35.10	35.10	518,439.80	518,439 80	427,623.30	427,623.30	0.27	-90,816.50	-90,816.50
437076102	HOME DEPOT NC/THE	2,920.000	186.71	186.71	551,626.96	551,626 96	545,193.20	545,193.20	0.34	-6,433.76	-6,433.76
438516106	HONEYWELL INTERNATIONAL INC	2,397.000	133.79	133.79	318,959.74	318,959.74	320,694.63	320,694.63	0.20	1,734.89	1,734.89
440452100	HORMEL FOODS CORP	11,563.000	46.64	46.64	451,305.50	451,305 50	539,298.32	539,298.32	0.33	87,992.82	87,992.82
44107P104	HOST HOTELS & RESORTS NC	17,908.000	11.04	11.04	322,871.51	322,871 51	197,704.32	197,704.32	0.12	-125,167.19	-125,167.19
444859102	HUMANA INC	706.000	314.02	314.02	180,859.48	180,859.48	221,698.12	221,698.12	0.14	40,838.64	40,838.64
445658107	JB HUNT TRANSPORT SERVICES INC	3,666.000	92.23	92.23	375,067.03	375,067 03	338,115.18	338,115.18	0.21	-36,951.85	-36,951.85
446413106	HUNTINGTON INGALLS INDUSTR ES	1,535.000	182.21	182.21	316,368.87	316,368 87	279,692.35	279,692.35	0.17	-36,676.52	-36,676.52
44919P508	IAC/ NTERACTIVECORP	4,637.000	179.23	179.23	834,788.07	834,788 07	831,089.51	831,089.51	0.52	-3,698.56	-3,698.56
45167R104	IDEX CORP	2,466.000	138.11	138.11	412,230.04	412,230 04	340,579.26	340,579.26	0.21	-71,650.78	-71,650.78
45168D104	IDEXX LABORATORIES INC	2,334.000	242.24	242.24	399,716.14	399,716.14	565,388.16	565,388.16	0.35	165,672.02	165,672.02
452308109	ILLINOIS TOOL WORKS INC	3,270.000	142.12	142.12	483,961.88	483,961 88	464,732.40	464,732.40	0.29	-19,229.48	-19,229.48
458140100	INTEL CORP	7,036.000	54.12	54.12	318,477.74	318,477.74	380,788.32	380,788.32	0.24	62,310.58	62,310.58
45866F104	INTERCONT NENTAL EXCHANGE NC	8,759.000	80.75	80.75	632,350.37	632,350 37	707,289.25	707,289.25	0.44	74,938.88	74,938.88
459200101	INTERNATIONAL BUS NESS MACH NE	3,304.000	110.93	110.93	463,584.69	463,584 69	366,512.72	366,512.72	0.23	-97,071.97	-97,071.97
459506101	INTERNATIONAL FLAVORS & FRAGRA	2,969.000	102.08	102.08	403,845.90	403,845 90	303,075.52	303,075.52	0.19	-100,770.38	-100,770.38
460146103	INTERNATIONAL PAPER CO	6,236.000	31.13	31.13	263,145.76	263,145.76	194,126.68	194,126.68	0.12	-69,019.08	-69,019.08
461202103	INTUIT NC	1,543.000	230.00	230.00	273,578.40	273,578.40	354,890.00	354,890.00	0.22	81,311.60	81,311.60
46266C105	IQVIA HOLDINGS INC	4,785.000	107.86	107.86	586,502.49	586,502.49	516,110.10	516,110.10	0.32	-70,392.39	-70,392.39
46625H100	JPMORGAN CHASE & CO	3,861.000	90.03	90.03	356,977.19	356,977.19	347,605.83	347,605.83	0.22	-9,371.36	-9,371.36
469814107	JACOBS ENGINEER NG GROUP INC	8,130.000	79.27	79.27	675,403.65	675,403 65	644,465.10	644,465.10	0.40	-30,938.55	-30,938.55
478160104	JOHNSON & JOHNSON	1,415.000	131.13	131.13	191,300.17	191,300.17	185,548.95	185,548.95	0.12	-5,751.22	-5,751.22
48203R104	JUNIPER NETWORKS INC	17,110.000	19.14	19.14	430,743.25	430,743 25	327,485.40	327,485.40	0.20	-103,257.85	-103,257.85
482480100	KLA CORP	5,253.000	143.74	143.74	639,441.96	639,441 96	755,066.22	755,066.22	0.47	115,624.26	115,624.26
48251W104	KKR & CO INC	3,820.000	23.47	23.47	110,086.06	110,086 06	89,655.40	89,655.40	0.06	-20,430.66	-20,430.66
485170302	KANSAS CITY SOUTHERN	6,727.000	127.18	127.18	754,997.23	754,997 23	855,539.86	855,539.86	0.53	100,542.63	100,542.63
487836108	KELLOGG CO	2,982.000	59.99	59.99	195,950.41	195,950.41	178,890.18	178,890.18	0.11	-17,060.23	-17,060.23
493267108	KEYCORP	8,523.000	10.37	10.37	144,198.95	144,198 95	88,383.51	88,383.51	0.05	-55,815.44	-55,815.44
49338L103	KEYSIGHT TECHNOLOGIES NC	4,739.000	83.68	83.68	414,169.96	414,169 96	396,559.52	396,559.52	0.25	-17,610.44	-17,610.44
494368103	KIMBERLY-CLARK CORP	4,029.000	127.87	127.87	514,844.15	514,844.15	515,188.23	515,188.23	0.32	344.08	344.08
49456B101	KINDER MORGAN NC	31,585.000	13.92	13.92	604,978.68	604,978 68	439,663.20	439,663.20	0.27	-165,315.48	-165,315.48
500255104	KOHL'S CORP	7,045.000	14.59	14.59	401,227.71	401,227.71	102,786.55	102,786.55	0.06	-298,441.16	-298,441.16
500754106	KRAFT HEINZ CO/THE	10,869.000	24.74	24.74	514,452.32	514,452 32	268,899.06	268,899.06	0.17	-245,553.26	-245,553.26
501044101	KROGER CO/THE	14,194.000	30.12	30.12	404,292.18	404,292.18	427,523.28	427,523.28	0.27	23,231.10	23,231.10
501889208	LKQ CORP	11,882.000	20.51	20.51	344,305.41	344,305.41	243,699.82	243,699.82	0.15	-100,605.59	-100,605.59
502431109	L3HARRIS TECHNOLOGIES NC	4,526.000	180.12	180.12	633,665.58	633,665 58	815,223.12	815,223.12	0.51	181,557.54	181,557.54
50540R409	LABORATORY CORP OF AMERICA HOL	4,895.000	126.39	126.39	708,863.35	708,863 35	618,679.05	618,679.05	0.38	-90,184.30	-90,184.30
512807108	LAM RESEARCH CORP	1,810.000	240.00	240.00	412,497.95	412,497 95	434,400.00	434,400.00	0.27	21,902.05	21,902.05
517834107	LAS VEGAS SANDS CORP	4,853.000	42.47	42.47	334,268.88	334,268 88	206,106.91	206,106.91	0.13	-128,161.97	-128,161.97
518439104	ESTEE LAUDER COS NC/THE	4,383.000	159.34	159.34	516,516.96	516,516 96	698,387.22	698,387.22	0.43	181,870.26	181,870.26
521865204	LEAR CORP	2,512.000	81.25	81.25	371,810.55	371,810 55	204,100.00	204,100.00	0.13	-167,710.55	-167,710.55
526057104	LENNAR CORP	16,669.000	38.20	38.20	833,773.51	833,773 51	636,755.80	636,755.80	0.40	-197,017.71	-197,017.71

BNY MELLON

Asset Detail

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532457108	ELI L LLY AND CO	1,766.000	138.72	138.72	178,208.90	178,208 90	244,979.52	244,979.52	0.15	66,770.62	66,770.62
534187109	LINCOLN NATIONAL CORP	4,698.000	26.32	26.32	266,081.96	266,081 96	123,651.36	123,651.36	0.08	-142,430.60	-142,430.60
540424108	LOEWS CORP	8,634.000	34.83	34.83	377,916.92	377,916 92	300,722.22	300,722.22	0.19	-77,194.70	-77,194.70
548661107	LOWE'S COS NC	3,556.000	86.05	86.05	351,802.43	351,802.43	305,993.80	305,993.80	0.19	-45,808.63	-45,808.63
550021109	LULULEMON ATHLETICA INC	2,897.000	189.55	189.55	413,366.60	413,366 60	549,126.35	549,126.35	0.34	135,759.75	135,759.75
55261F104	M&T BANK CORP	2,328.000	103.43	103.43	331,855.85	331,855 85	240,785.04	240,785.04	0.15	-91,070.81	-91,070.81
552953101	MGM RESORTS NTERNATIONAL	20,349.000	11.80	11.80	536,513.64	536,513 64	240,118.20	240,118.20	0.15	-296,395.44	-296,395.44
55354G100	MSCI INC	2,695.000	288.96	288.96	417,857.16	417,857.16	778,747.20	778,747.20	0.48	360,890.04	360,890.04
55616P104	MACY'S INC	15,406.000	4.91	4.91	456,162.20	456,162 20	75,643.46	75,643.46	0.05	-380,518.74	-380,518.74
565849106	MARATHON OIL CORP	45,265.000	3.29	3.29	741,668.48	741,668.48	148,921.85	148,921.85	0.09	-592,746.63	-592,746.63
570535104	MARKEL CORP	494.000	927.89	927.89	493,073.95	493,073 95	458,377.66	458,377.66	0.28	-34,696.29	-34,696.29
57060D108	MARKETAXESS HOLD NGS INC	849.000	332.57	332.57	301,012.09	301,012 09	282,351.93	282,351.93	0.18	-18,660.16	-18,660.16
571748102	MARSH & MCLENNAN COS INC	4,227.000	86.46	86.46	334,872.46	334,872.46	365,466.42	365,466.42	0.23	30,593.96	30,593.96
574599106	MASCO CORP	7,549.000	34.57	34.57	296,663.54	296,663 54	260,968.93	260,968.93	0.16	-35,694.61	-35,694.61
57636Q104	MASTERCARD INC	1,511.000	241.56	241.56	261,360.23	261,360 23	364,997.16	364,997.16	0.23	103,636.93	103,636.93
57772K101	MAX M INTEGRATED PRODUCTS INC	7,181.000	48.61	48.61	356,475.10	356,475.10	349,068.41	349,068.41	0.22	-7,406.69	-7,406.69
579780206	MCCORMICK & CO INC/MD	1,474.000	141.21	141.21	182,236.68	182,236 68	208,143.54	208,143.54	0.13	25,906.86	25,906.86
580135101	MCDONALD'S CORP	2,715.000	165.35	165.35	445,005.59	445,005 59	448,925.25	448,925.25	0.28	3,919.66	3,919.66
58933Y105	MERCK & CO INC	5,500.000	76.94	76.94	384,411.87	384,411 87	423,170.00	423,170.00	0.26	38,758.13	38,758.13
59156R108	METL FE NC	3,586.000	30.57	30.57	154,218.64	154,218 64	109,624.02	109,624.02	0.07	-44,594.62	-44,594.62
592688105	METTLER-TOLEDO INTERNATIONAL I	633.000	690.51	690.51	437,702.36	437,702 36	437,092.83	437,092.83	0.27	-609.53	-609.53
594918104	MICROSOFT CORP	2,885.000	157.71	157.71	251,714.33	251,714 33	454,993.35	454,993.35	0.28	203,279.02	203,279.02
595017104	MICROCHIP TECHNOLOGY INC	6,821.000	67.80	67.80	648,084.80	648,084 80	462,463.80	462,463.80	0.29	-185,621.00	-185,621.00
595112103	MICRON TECHNOLOGY INC	17,463.000	42.06	42.06	751,685.97	751,685 97	734,493.78	734,493.78	0.46	-17,192.19	-17,192.19
59522J103	MID-AMERICA APARTMENT COMMUNIT	4,492.000	103.03	103.03	484,587.87	484,587 87	462,810.76	462,810.76	0.29	-21,777.11	-21,777.11
608190104	MOHAWK INDUSTR ES NC	2,833.000	76.24	76.24	477,009.20	477,009 20	215,987.92	215,987.92	0.13	-261,021.28	-261,021.28
60871R209	MOLSON COORS BEVERAGE CO	4,927.000	39.01	39.01	397,773.39	397,773 39	192,202.27	192,202.27	0.12	-205,571.12	-205,571.12
609207105	MONDELEZ NTERNATIONAL INC	11,689.000	50.08	50.08	536,279.86	536,279 86	585,385.12	585,385.12	0.36	49,105.26	49,105.26
617446448	MORGAN STANLEY	4,693.000	34.00	34.00	193,280.76	193,280.76	159,562.00	159,562.00	0.10	-33,718.76	-33,718.76
61945C103	MOSAIC CO/THE	7,970.000	10.82	10.82	223,935.52	223,935 52	86,235.40	86,235.40	0.05	-137,700.12	-137,700.12
620076307	MOTOROLA SOLUTIONS NC	4,005.000	132.92	132.92	389,660.38	389,660 38	532,344.60	532,344.60	0.33	142,684.22	142,684.22
62944T105	NVR INC	165.000	2,569.11	2,569.11	527,745.99	527,745 99	423,903.15	423,903.15	0.26	-103,842.84	-103,842.84
631103108	NASDAQ NC	3,516.000	94.95	94.95	265,752.80	265,752 80	333,844.20	333,844.20	0.21	68,091.40	68,091.40
637071101	NATIONAL OILWELL VARCO NC	20,168.000	9.83	9.83	584,284.08	584,284 08	198,251.44	198,251.44	0.12	-386,032.64	-386,032.64
64110D104	NETAPP INC	3,368.000	41.69	41.69	138,479.10	138,479.10	140,411.92	140,411.92	0.09	1,932.82	1,932.82
651639106	NEWMONT CORP	22,707.000	45.28	45.28	918,661.19	918,661.19	1,028,172.96	1,028,172.96	0.64	109,511.77	109,511.77
65339F101	NEXTERA ENERGY NC	4,240.000	240.62	240.62	713,069.67	713,069 67	1,020,228.80	1,020,228.80	0.63	307,159.13	307,159.13
654106103	NIKE INC	10,930.000	82.74	82.74	862,047.57	862,047 57	904,348.20	904,348.20	0.56	42,300.63	42,300.63
65473P105	NISOURCE INC	27,253.000	24.97	24.97	702,195.12	702,195.12	680,507.41	680,507.41	0.42	-21,687.71	-21,687.71
655044105	NOBLE ENERGY NC	28,174.000	6.04	6.04	734,364.44	734,364.44	170,170.96	170,170.96	0.11	-564,193.48	-564,193.48
655844108	NORFOLK SOUTHERN CORP	3,081.000	146.00	146.00	462,660.83	462,660 83	449,826.00	449,826.00	0.28	-12,834.83	-12,834.83
668771108	NORTONLIFELOCK INC	32,694.000	18.71	18.71	658,937.03	658,937 03	611,704.74	611,704.74	0.38	-47,232.29	-47,232.29
670346105	NUCOR CORP	5,987.000	36.02	36.02	330,183.08	330,183 08	215,651.74	215,651.74	0.13	-114,531.34	-114,531.34
67103H107	O'REILLY AUTOMOTIVE INC	816.000	301.05	301.05	297,598.59	297,598 59	245,656.80	245,656.80	0.15	-51,941.79	-51,941.79

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
674599105	OCCIDENTAL PETROLEUM CORP	12,783.000	11.58	11.58	826,672.29	826,672 29	148,027.14	148,027.14	0.09	-678,645.15	-678,645.15
679295105	OKTA NC	2,665.000	122.26	122.26	325,180.65	325,180 65	325,822.90	325,822.90	0.20	642.25	642.25
682680103	ONEOK INC	2,653.000	21.81	21.81	191,449.16	191,449.16	57,861.93	57,861.93	0.04	-133,587.23	-133,587.23
693475105	PNC F NANCIAL SERVICES GROUP I	4,031.000	95.72	95.72	471,270.57	471,270 57	385,847.32	385,847.32	0.24	-85,423.25	-85,423.25
693506107	PPG INDUSTR ES INC	4,319.000	83.60	83.60	483,402.38	483,402 38	361,068.40	361,068.40	0.22	-122,333.98	-122,333.98
69351T106	PPL CORP	26,130.000	24.68	24.68	806,590.48	806,590.48	644,888.40	644,888.40	0.40	-161,702.08	-161,702.08
693656100	PVH CORP	4,102.000	37.64	37.64	420,480.85	420,480 85	154,399.28	154,399.28	0.10	-266,081.57	-266,081.57
695156109	PACKAG NG CORP OF AMERICA	1,696.000	86.83	86.83	180,686.43	180,686.43	147,263.68	147,263.68	0.09	-33,422.75	-33,422.75
704326107	PAYCHEX INC	4,847.000	62.92	62.92	323,848.46	323,848.46	304,973.24	304,973.24	0.19	-18,875.22	-18,875.22
70432V102	PAYCOM SOFTWARE NC	1,545.000	202.01	202.01	353,043.60	353,043 60	312,105.45	312,105.45	0.19	-40,938.15	-40,938.15
713448108	PEPSICO INC	3,554.000	120.10	120.10	428,702.06	428,702 06	426,835.40	426,835.40	0.27	-1,866.66	-1,866.66
717081103	PFIZER NC	9,039.000	32.64	32.64	344,664.26	344,664 26	295,032.96	295,032.96	0.18	-49,631.30	-49,631.30
718546104	PHILLIPS 66	11,147.000	53.65	53.65	1,084,225.09	1,084,225 09	598,036.55	598,036.55	0.37	-486,188.54	-486,188.54
723484101	PINNACLE WEST CAPITAL CORP	8,201.000	75.79	75.79	679,276.08	679,276 08	621,553.79	621,553.79	0.39	-57,722.29	-57,722.29
74144T108	T ROWE PRICE GROUP NC	1,074.000	97.65	97.65	134,978.22	134,978 22	104,876.10	104,876.10	0.07	-30,102.12	-30,102.12
74251V102	PRINCIPAL F NANCIAL GROUP INC	2,804.000	31.34	31.34	134,825.29	134,825 29	87,877.36	87,877.36	0.05	-46,947.93	-46,947.93
742718109	PROCTER & GAMBLE CO/THE	3,850.000	110.00	110.00	342,984.16	342,984.16	423,500.00	423,500.00	0.26	80,515.84	80,515.84
74340W103	PROLOGIS NC	7,303.000	80.37	80.37	464,301.57	464,301 57	586,942.11	586,942.11	0.36	122,640.54	122,640.54
744320102	PRUDENTIAL FINANCIAL INC	1,735.000	52.14	52.14	161,360.58	161,360 58	90,462.90	90,462.90	0.06	-70,897.68	-70,897.68
744573106	PUBLIC SERVICE ENTERPRISE GROU	13,577.000	44.91	44.91	706,162.56	706,162 56	609,743.07	609,743.07	0.38	-96,419.49	-96,419.49
74460D109	PUBLIC STORAGE	3,500.000	198.61	198.61	807,101.41	807,101.41	695,135.00	695,135.00	0.43	-111,966.41	-111,966.41
74736K101	QORVO NC	8,391.000	80.63	80.63	620,688.66	620,688 66	676,566.33	676,566.33	0.42	55,877.67	55,877.67
747525103	QUALCOMM NC	6,462.000	67.65	67.65	484,107.09	484,107 09	437,154.30	437,154.30	0.27	-46,952.79	-46,952.79
74834L100	QUEST DIAGNOSTICS NC	5,408.000	80.30	80.30	475,120.85	475,120 85	434,262.40	434,262.40	0.27	-40,858.45	-40,858.45
754730109	RAYMOND JAMES FINANCIAL INC	1,877.000	63.20	63.20	146,479.35	146,479 35	118,626.40	118,626.40	0.07	-27,852.95	-27,852.95
755111507	RAYTHEON CO	4,301.000	131.15	131.15	799,040.94	799,040 94	564,076.15	564,076.15	0.35	-234,964.79	-234,964.79
756109104	REALTY NCOME CORP	9,023.000	49.86	49.86	605,847.15	605,847.15	449,886.78	449,886.78	0.28	-155,960.37	-155,960.37
758849103	REGENCY CENTERS CORP	9,536.000	38.43	38.43	594,165.17	594,165.17	366,468.48	366,468.48	0.23	-227,696.69	-227,696.69
7591EP100	REGIONS F NANCIAL CORP	44,333.000	8.97	8.97	576,784.36	576,784 36	397,667.01	397,667.01	0.25	-179,117.35	-179,117.35
760759100	REPUBLIC SERVICES INC	8,769.000	75.06	75.06	564,180.97	564,180 97	658,201.14	658,201.14	0.41	94,020.17	94,020.17
761152107	RESMED INC	3,275.000	147.29	147.29	412,387.16	412,387.16	482,374.75	482,374.75	0.30	69,987.59	69,987.59
773903109	ROCKWELL AUTOMATION INC	974.000	150.91	150.91	142,124.69	142,124 69	146,986.34	146,986.34	0.09	4,861.65	4,861.65
776696106	ROPER TECHNOLOG ES NC	1,716.000	311.81	311.81	400,655.44	400,655.44	535,065.96	535,065.96	0.33	134,410.52	134,410.52
778296103	ROSS STORES NC	4,164.000	86.97	86.97	371,282.57	371,282 57	362,143.08	362,143.08	0.22	-9,139.49	-9,139.49
78409V104	S&P GLOBAL INC	2,128.000	245.05	245.05	380,028.33	380,028 33	521,466.40	521,466.40	0.32	141,438.07	141,438.07
78440X101	SL GREEN REALTY CORP	4,355.000	43.10	43.10	429,046.23	429,046 23	187,700.50	187,700.50	0.12	-241,345.73	-241,345.73
78467J100	SS&C TECHNOLOG ES HOLDINGS NC	2,439.000	43.82	43.82	135,746.85	135,746 85	106,876.98	106,876.98	0.07	-28,869.87	-28,869.87
79466L302	SALESFORCE.COM INC	1,178.000	143.98	143.98	162,157.86	162,157 86	169,608.44	169,608.44	0.11	7,450.58	7,450.58
806407102	HENRY SCHEIN NC	3,869.000	50.52	50.52	235,978.75	235,978.75	195,461.88	195,461.88	0.12	-40,516.87	-40,516.87
816851109	SEMPRA ENERGY	6,110.000	112.99	112.99	709,080.51	709,080 51	690,368.90	690,368.90	0.43	-18,711.61	-18,711.61
81762P102	SERVICENOW INC	1,659.000	286.58	286.58	241,166.76	241,166.76	475,436.22	475,436.22	0.30	234,269.46	234,269.46
82968B103	SIRIUS XM HOLD NGS NC	36,565.000	4.94	4.94	176,998.47	176,998.47	180,631.10	180,631.10	0.11	3,632.63	3,632.63
83088M102	SKYWORKS SOLUTIONS INC	11,789.000	89.38	89.38	1,016,912.88	1,016,912 88	1,053,700.82	1,053,700.82	0.65	36,787.94	36,787.94
832696405	JM SMUCKER CO/THE	5,131.000	111.00	111.00	633,932.64	633,932 64	569,541.00	569,541.00	0.35	-64,391.64	-64,391.64

BNY MELLON

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833034101	SNAP-ON NC	3,398.000	108.82	108.82	537,908.01	537,908 01	369,770.36	369,770.36	0.23	-168,137.65	-168,137.65
842587107	SOUTHERN CO/THE	30,079.000	54.14	54.14	1,523,354.26	1,523,354 26	1,628,477.06	1,628,477.06	1.01	105,122.80	105,122.80
844741108	SOUTHWEST A RLINES CO	5,469.000	35.61	35.61	274,515.18	274,515.18	194,751.09	194,751.09	0.12	-79,764.09	-79,764.09
848637104	SPLUNK INC	3,270.000	126.23	126.23	406,994.42	406,994.42	412,772.10	412,772.10	0.26	5,777.68	5,777.68
854502101	STANLEY BLACK & DECKER INC	2,622.000	100.00	100.00	349,853.53	349,853 53	262,200.00	262,200.00	0.16	-87,653.53	-87,653.53
857477103	STATE STREET CORP	4,264.000	53.27	53.27	301,582.67	301,582 67	227,143.28	227,143.28	0.14	-74,439.39	-74,439.39
863667101	STRYKER CORP	1,933.000	166.49	166.49	283,484.47	283,484.47	321,825.17	321,825.17	0.20	38,340.70	38,340.70
866674104	SUN COMMUNITIES INC	3,791.000	124.85	124.85	491,035.08	491,035 08	473,306.35	473,306.35	0.29	-17,728.73	-17,728.73
871607107	SYNOPSYS INC	5,921.000	128.79	128.79	484,881.59	484,881 59	762,565.59	762,565.59	0.47	277,684.00	277,684.00
87165B103	SYNCHRONY FINANCIAL	7,369.000	16.09	16.09	252,310.46	252,310.46	118,567.21	118,567.21	0.07	-133,743.25	-133,743.25
871829107	SYSCO CORP	10,934.000	45.63	45.63	692,175.01	692,175 01	498,918.42	498,918.42	0.31	-193,256.59	-193,256.59
872540109	TJX COS NC/THE	21,030.000	47.81	47.81	1,047,752.36	1,047,752 36	1,005,444.30	1,005,444.30	0.62	-42,308.06	-42,308.06
872590104	T-MOBILE US NC	11,013.000	83.90	83.90	647,669.26	647,669 26	923,990.70	923,990.70	0.57	276,321.44	276,321.44
876030107	TAPESTRY INC	15,024.000	12.95	12.95	564,490.88	564,490 88	194,560.80	194,560.80	0.12	-369,930.08	-369,930.08
87612E106	TARGET CORP	11,279.000	92.97	92.97	827,711.55	827,711 55	1,048,608.63	1,048,608.63	0.65	220,897.08	220,897.08
87612G101	TARGA RESOURCES CORP	9,326.000	6.91	6.91	382,888.37	382,888 37	64,442.66	64,442.66	0.04	-318,445.71	-318,445.71
882508104	TEXAS INSTRUMENTS NC	4,874.000	99.93	99.93	452,516.49	452,516.49	487,058.82	487,058.82	0.30	34,542.33	34,542.33
883203101	TEXTRON INC	8,490.000	26.67	26.67	424,391.11	424,391.11	226,428.30	226,428.30	0.14	-197,962.81	-197,962.81
883556102	THERMO FISHER SCIENT FIC NC	1,917.000	283.60	283.60	389,375.03	389,375 03	543,661.20	543,661.20	0.34	154,286.17	154,286.17
88579Y101	3M CO	1,021.000	136.51	136.51	184,866.10	184,866.10	139,376.71	139,376.71	0.09	-45,489.39	-45,489.39
886547108	T FFANY & CO	7,120.000	129.50	129.50	686,472.60	686,472 60	922,040.00	922,040.00	0.57	235,567.40	235,567.40
892356106	TRACTOR SUPPLY CO	3,396.000	84.55	84.55	280,475.71	280,475.71	287,131.80	287,131.80	0.18	6,656.09	6,656.09
89417E109	TRAVELERS COS NC/THE	2,744.000	99.35	99.35	347,902.32	347,902 32	272,616.40	272,616.40	0.17	-75,285.92	-75,285.92
89832Q109	TRUIST F NANCIAL CORP	6,562.000	30.84	30.84	290,734.06	290,734 06	202,372.08	202,372.08	0.13	-88,361.98	-88,361.98
90138F102	TWILIO INC	2,828.000	89.49	89.49	380,675.91	380,675 91	253,077.72	253,077.72	0.16	-127,598.19	-127,598.19
902494103	TYSON FOODS INC	13,868.000	57.87	57.87	1,025,766.12	1,025,766.12	802,541.16	802,541.16	0.50	-223,224.96	-223,224.96
902653104	UDR INC	10,418.000	36.54	36.54	423,141.76	423,141.76	380,673.72	380,673.72	0.24	-42,468.04	-42,468.04
902973304	US BANCORP	7,348.000	34.45	34.45	353,699.19	353,699.19	253,138.60	253,138.60	0.16	-100,560.59	-100,560.59
90384S303	ULTA BEAUTY INC	1,688.000	175.70	175.70	431,311.28	431,311 28	296,581.60	296,581.60	0.18	-134,729.68	-134,729.68
907818108	UNION PACIFIC CORP	2,894.000	141.04	141.04	394,067.55	394,067 55	408,169.76	408,169.76	0.25	14,102.21	14,102.21
913017109	UNITED TECHNOLOG ES CORP	3,637.000	94.33	94.33	416,865.83	416,865 83	343,078.21	343,078.21	0.21	-73,787.62	-73,787.62
91324P102	UNITEDHEALTH GROUP NC	794.000	249.38	249.38	153,835.67	153,835 67	198,007.72	198,007.72	0.12	44,172.05	44,172.05
913903100	UNIVERSAL HEALTH SERVICES INC	4,520.000	99.08	99.08	566,854.00	566,854 00	447,841.60	447,841.60	0.28	-119,012.40	-119,012.40
91529Y106	UNUM GROUP	11,158.000	15.01	15.01	385,087.28	385,087 28	167,481.58	167,481.58	0.10	-217,605.70	-217,605.70
918204108	VF CORP	8,469.000	54.08	54.08	648,751.65	648,751 65	458,003.52	458,003.52	0.28	-190,748.13	-190,748.13
91913Y100	VALERO ENERGY CORP	9,264.000	45.36	45.36	736,683.41	736,683.41	420,215.04	420,215.04	0.26	-316,468.37	-316,468.37
92220P105	VARIAN MEDICAL SYSTEMS INC	1,181.000	102.66	102.66	113,154.70	113,154.70	121,241.46	121,241.46	0.08	8,086.76	8,086.76
922475108	VEEVA SYSTEMS NC	2,198.000	156.37	156.37	238,836.21	238,836 21	343,701.26	343,701.26	0.21	104,865.05	104,865.05
92343E102	VERISIGN INC	3,680.000	180.09	180.09	544,905.97	544,905 97	662,731.20	662,731.20	0.41	117,825.23	117,825.23
92343V104	VERIZON COMMUNICATIONS INC	7,223.000	53.73	53.73	397,810.30	397,810 30	388,091.79	388,091.79	0.24	-9,718.51	-9,718.51
92345Y106	VERISK ANALYTICS INC	4,230.000	139.38	139.38	436,580.86	436,580 86	589,577.40	589,577.40	0.37	152,996.54	152,996.54
92556H206	VIACOMCBS INC	3,169.000	14.01	14.01	144,578.63	144,578 63	44,397.69	44,397.69	0.03	-100,180.94	-100,180.94
92826C839	VISA INC	2,464.000	161.12	161.12	296,809.53	296,809 53	396,999.68	396,999.68	0.25	100,190.15	100,190.15
928563402	VMWARE INC	796.000	121.10	121.10	134,488.66	134,488 66	96,395.60	96,395.60	0.06	-38,093.06	-38,093.06

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929042109	VORNADO REALTY TRUST	2,636.000	36.21	36.21	163,273.98	163,273 98	95,449.56	95,449.56	0.06	-67,824.42	-67,824.42
92936U109	WP CAREY INC	7,751.000	58.08	58.08	616,449.63	616,449 63	450,178.08	450,178.08	0.28	-166,271.55	-166,271.55
92939U106	WEC ENERGY GROUP NC	14,068.000	88.13	88.13	967,542.92	967,542 92	1,239,812.84	1,239,812.84	0.77	272,269.92	272,269.92
931142103	WALMART INC	11,471.000	113.62	113.62	999,135.35	999,135 35	1,303,335.02	1,303,335.02	0.81	304,199.67	304,199.67
931427108	WALGREENS BOOTS ALLIANCE NC	5,054.000	45.75	45.75	347,059.46	347,059.46	231,220.50	231,220.50	0.14	-115,838.96	-115,838.96
94106L109	WASTE MANAGEMENT INC	3,878.000	92.56	92.56	321,034.16	321,034.16	358,947.68	358,947.68	0.22	37,913.52	37,913.52
941848103	WATERS CORP	708.000	182.05	182.05	124,582.12	124,582.12	128,891.40	128,891.40	0.08	4,309.28	4,309.28
949746101	WELLS FARGO & CO	9,939.000	28.70	28.70	451,555.91	451,555 91	285,249.30	285,249.30	0.18	-166,306.61	-166,306.61
95040Q104	WELLTOWER INC	10,515.000	45.78	45.78	762,856.36	762,856 36	481,376.70	481,376.70	0.30	-281,479.66	-281,479.66
958102105	WESTERN DIGITAL CORP	13,009.000	41.62	41.62	659,739.45	659,739.45	541,434.58	541,434.58	0.34	-118,304.87	-118,304.87
959802109	WESTERN UNION CO/THE	14,860.000	18.13	18.13	330,930.80	330,930 80	269,411.80	269,411.80	0.17	-61,519.00	-61,519.00
96145D105	WESTROCK CO	7,162.000	28.26	28.26	319,964.31	319,964 31	202,398.12	202,398.12	0.13	-117,566.19	-117,566.19
962166104	WEYERHAEUSER CO	4,497.000	16.95	16.95	128,153.01	128,153 01	76,224.15	76,224.15	0.05	-51,928.86	-51,928.86
963320106	WH RLPOOL CORP	3,461.000	85.80	85.80	498,317.01	498,317 01	296,953.80	296,953.80	0.18	-201,363.21	-201,363.21
969457100	W LLIAMS COS NC/THE	6,591.000	14.15	14.15	174,377.67	174,377 67	93,262.65	93,262.65	0.06	-81,115.02	-81,115.02
983134107	WYNN RESORTS LTD	3,387.000	60.19	60.19	391,515.19	391,515.19	203,863.53	203,863.53	0.13	-187,651.66	-187,651.66
98389B100	XCEL ENERGY INC	13,978.000	60.30	60.30	664,795.25	664,795 25	842,873.40	842,873.40	0.52	178,078.15	178,078.15
98419M100	XYLEM NC/NY	6,888.000	65.13	65.13	392,561.06	392,561 06	448,615.44	448,615.44	0.28	56,054.38	56,054.38
988498101	YUM! BRANDS INC	6,471.000	68.53	68.53	528,173.93	528,173 93	443,457.63	443,457.63	0.28	-84,716.30	-84,716.30
98956P102	Z MMER BIOMET HOLDINGS INC	2,466.000	101.08	101.08	314,141.95	314,141 95	249,263.28	249,263.28	0.15	-64,878.67	-64,878.67
989701107	ZIONS BANCORP NA	6,083.000	26.76	26.76	282,884.86	282,884 86	162,781.08	162,781.08	0.10	-120,103.78	-120,103.78
98978V103	ZOETIS INC	3,443.000	117.69	117.69	237,405.40	237,405.40	405,206.67	405,206.67	0.25	167,801.27	167,801.27
G0177J108	ALLERGAN PLC	1,446.000	177.10	177.10	272,610.94	272,610 94	256,086.60	256,086.60	0.16	-16,524.34	-16,524.34
G02602103	AMDOCS LTD	7,421.000	54.97	54.97	428,778.20	428,778 20	407,932.37	407,932.37	0.25	-20,845.83	-20,845.83
G0408V102	AON PLC/UK	2,103.000	165.04	165.04	288,283.44	288,283.44	347,079.12	347,079.12	0.22	58,795.68	58,795.68
G0450A105	ARCH CAPITAL GROUP LTD	22,458.000	28.46	28.46	588,787.45	588,787.45	639,154.68	639,154.68	0.40	50,367.23	50,367.23
G1151C101	ACCENTURE PLC	2,202.000	163.26	163.26	342,804.29	342,804 29	359,498.52	359,498.52	0.22	16,694.23	16,694.23
G16962105	BUNGE LTD	10,232.000	41.03	41.03	607,067.03	607,067 03	419,818.96	419,818.96	0.26	-187,248.07	-187,248.07
G29183103	EATON CORP PLC	7,229.000	77.69	77.69	563,414.81	563,414 81	561,621.01	561,621.01	0.35	-1,793.80	-1,793.80
G3223R108	EVEREST RE GROUP LTD	2,202.000	192.42	192.42	475,514.37	475,514 37	423,708.84	423,708.84	0.26	-51,805.53	-51,805.53
G47567105	IHS MARKIT LTD	12,326.000	60.00	60.00	598,711.98	598,711 98	739,560.00	739,560.00	0.46	140,848.02	140,848.02
G51502105	JOHNSON CONTROLS INTERNATIONAL	8,976.000	26.96	26.96	321,659.06	321,659 06	241,992.96	241,992.96	0.15	-79,666.10	-79,666.10
G5494J103	LINDE PLC	4,095.000	173.00	173.00	806,673.10	806,673.10	708,435.00	708,435.00	0.44	-98,238.10	-98,238.10
G5876H105	MARVELL TECHNOLOGY GROUP LTD	31,904.000	22.63	22.63	668,226.12	668,226.12	721,987.52	721,987.52	0.45	53,761.40	53,761.40
G5960L103	MEDTRONIC PLC	4,003.000	90.18	90.18	344,115.30	344,115 30	360,990.54	360,990.54	0.22	16,875.24	16,875.24
G6095L109	APTIV PLC	2,264.000	49.24	49.24	201,346.12	201,346.12	111,479.36	111,479.36	0.07	-89,866.76	-89,866.76
G6518L108	NIELSEN HOLD NGS PLC	8,834.000	12.54	12.54	298,078.48	298,078.48	110,778.36	110,778.36	0.07	-187,300.12	-187,300.12
G66721104	NORWEGIAN CRUISE LINE HOLD NGS	6,899.000	10.96	10.96	332,947.26	332,947 26	75,613.04	75,613.04	0.05	-257,334.22	-257,334.22
G7945M107	SEAGATE TECHNOLOGY PLC	8,408.000	48.80	48.80	432,455.55	432,455 55	410,310.40	410,310.40	0.25	-22,145.15	-22,145.15
G8473T100	STERIS PLC	4,093.000	139.97	139.97	594,068.23	594,068 23	572,897.21	572,897.21	0.36	-21,171.02	-21,171.02
G8994E103	TRANE TECHNOLOG ES PLC	6,111.000	82.59	82.59	433,819.40	433,819.40	504,707.49	504,707.49	0.31	70,888.09	70,888.09
G96629103	W LLIS TOWERS WATSON PLC	3,121.000	169.85	169.85	447,582.06	447,582 06	530,101.85	530,101.85	0.33	82,519.79	82,519.79
G97822103	PERRIGO CO PLC	8,081.000	48.09	48.09	487,527.74	487,527.74	388,615.29	388,615.29	0.24	-98,912.45	-98,912.45
H1467J104	CHUBB LTD	4,659.000	111.69	111.69	639,657.94	639,657 94	520,363.71	520,363.71	0.32	-119,294.23	-119,294.23

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
	H84989104	TE CONNECTIVITY LTD	5,531.000	62.98	62.98	454,457.81	454,457 81	348,342.38	348,342.38	0.22	-106,115.43	-106,115.43
	M22465104	CHECK POINT SOFTWARE TECHNOLOG	7,584.000	100.54	100.54	748,582.10	748,582.10	762,495.36	762,495.36	0.47	13,913.26	13,913.26
	N59465109	MYLAN NV	7,141.000	14.91	14.91	133,423.61	133,423 61	106,472.31	106,472.31	0.07	-26,951.30	-26,951.30
	V7780T103	ROYAL CARIBBEAN CRUISES LTD	3,598.000	32.17	32.17	352,955.88	352,955 88	115,747.66	115,747.66	0.07	-237,208.22	-237,208.22

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.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**521,875,424.08**		**650,786,378.09**	**100.00**		**128,910,954...**
CASH & CASH EQUIVALENTS							**1,233,208.48**		**1,233,208.48**	**0.19**		**0.00**
U.S. DOLLAR						**1,233,208.48**	**1,233,208.48**	**1,233,208.48**	**1,233,208.48**	**0.19**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	579,546.350	1.00	1.00	579,546.35	579,546 35	579,546.35	579,546.35	0.09	0.00	0.00
		CASH	0.000	1.00	1.00	3,604.61	3,604 61	3,604.61	3,604.61	0.00	0.00	0.00
		DIVIDENDS RECEIVABLE	0.000	1.00	1.00	644,762.30	644,762 30	644,762.30	644,762.30	0.10	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	683.80	683 80	683.80	683.80	0.00	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	6,191.15	6,191.15	6,191.15	6,191.15	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-810.84	-810 84	-810.84	-810.84	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	-768.89	-768 89	-768.89	-768.89	0.00	0.00	0.00
EQUITY							**520,642,215.60**		**649,553,169.61**	**99.81**		**128,910,954...**
U.S. DOLLAR						**520,642,215.60**	**520,642,215.60**	**649,553,169.61**	**649,553,169.61**	**99.81**	**128,910,954.01**	**128,910,954...**
	001055102	AFLAC NC	22,250.000	34.24	34.24	690,941.79	690,941.79	761,840.00	761,840.00	0.12	70,898.21	70,898.21
	00130H105	AES CORP/THE	20,125.000	13.60	13.60	274,688.73	274,688.73	273,700.00	273,700.00	0.04	-988.73	-988.73
	00206R102	AT&T NC	221,436.000	29.15	29.15	6,961,554.88	6,961,554 88	6,454,859.40	6,454,859.40	0.99	-506,695.48	-506,695.48
	002824100	ABBOTT LABORATORIES	53,575.000	78.91	78.91	2,651,060.29	2,651,060 29	4,227,603.25	4,227,603.25	0.65	1,576,542.96	1,576,542.96
	00287Y109	ABBV E INC	44,827.000	76.19	76.19	2,378,894.98	2,378,894 98	3,415,369.13	3,415,369.13	0.52	1,036,474.15	1,036,474.15
	003654100	ABIOMED INC	1,369.000	145.16	145.16	463,845.72	463,845.72	198,724.04	198,724.04	0.03	-265,121.68	-265,121.68
	00507V109	ACTIVISION BLIZZARD NC	23,288.000	59.48	59.48	1,054,693.27	1,054,693 27	1,385,170.24	1,385,170.24	0.21	330,476.97	330,476.97
	00724F101	ADOBE INC	14,674.000	318.24	318.24	2,172,938.35	2,172,938 35	4,669,853.76	4,669,853.76	0.72	2,496,915.41	2,496,915.41
	00751Y106	ADVANCE AUTO PARTS INC	2,099.000	93.32	93.32	324,322.64	324,322 64	195,878.68	195,878.68	0.03	-128,443.96	-128,443.96
	007903107	ADVANCED MICRO DEVICES INC	35,456.000	45.48	45.48	962,641.89	962,641 89	1,612,538.88	1,612,538.88	0.25	649,896.99	649,896.99
	00846U101	AG LENT TECHNOLOG ES INC	9,381.000	71.62	71.62	408,116.43	408,116.43	671,867.22	671,867.22	0.10	263,750.79	263,750.79
	009158106	AIR PRODUCTS AND CHEMICALS INC	6,682.000	199.61	199.61	893,585.71	893,585.71	1,333,794.02	1,333,794.02	0.20	440,208.31	440,208.31
	00971T101	AKAMAI TECHNOLOG ES INC	4,899.000	91.49	91.49	277,846.16	277,846.16	448,209.51	448,209.51	0.07	170,363.35	170,363.35
	011659109	ALASKA A R GROUP INC	3,734.000	28.47	28.47	214,865.86	214,865 86	106,306.98	106,306.98	0.02	-108,558.88	-108,558.88
	012653101	ALBEMARLE CORP	3,214.000	56.37	56.37	252,802.14	252,802.14	181,173.18	181,173.18	0.03	-71,628.96	-71,628.96
	015271109	ALEXANDRIA REAL ESTATE EQUIT E	3,716.000	137.06	137.06	481,572.32	481,572 32	509,314.96	509,314.96	0.08	27,742.64	27,742.64
	015351109	ALEXION PHARMACEUTICALS INC	6,708.000	89.79	89.79	760,063.50	760,063 50	602,311.32	602,311.32	0.09	-157,752.18	-157,752.18
	016255101	ALIGN TECHNOLOGY NC	2,174.000	173.95	173.95	664,113.06	664,113 06	378,167.30	378,167.30	0.06	-285,945.76	-285,945.76
	018581108	ALLIANCE DATA SYSTEMS CORP	1,243.000	33.65	33.65	247,733.67	247,733 67	41,826.95	41,826.95	0.01	-205,906.72	-205,906.72
	018802108	ALLIANT ENERGY CORP	7,286.000	48.29	48.29	317,079.37	317,079 37	351,840.94	351,840.94	0.05	34,761.57	34,761.57
	020002101	ALLSTATE CORP/THE	9,820.000	91.73	91.73	657,397.12	657,397.12	900,788.60	900,788.60	0.14	243,391.48	243,391.48
	02079K107	ALPHABET NC-CL C	9,060.000	1,162.81	1,162.81	6,774,377.05	6,774,377 05	10,535,058.60	10,535,058.60	1.62	3,760,681.55	3,760,681.55
	02079K305	ALPHABET NC-CL A	9,083.000	1,161.95	1,161.95	6,680,835.88	6,680,835 88	10,553,991.85	10,553,991.85	1.62	3,873,155.97	3,873,155.97
	02209S103	ALTRIA GROUP INC	56,628.000	38.67	38.67	2,205,532.39	2,205,532 39	2,189,804.76	2,189,804.76	0.34	-15,727.63	-15,727.63
	023135106	AMAZON.COM NC	12,624.000	1,949.72	1,949.72	12,182,041.36	12,182,041 36	24,613,265.28	24,613,265.28	3.78	12,431,223.92	12,431,223.92
	023608102	AMEREN CORP	7,458.000	72.83	72.83	382,179.37	382,179 37	543,166.14	543,166.14	0.08	160,986.77	160,986.77
	02376R102	AMERICAN AIRLINES GROUP INC	11,818.000	12.19	12.19	483,349.57	483,349 57	144,061.42	144,061.42	0.02	-339,288.15	-339,288.15
	025537101	AMERICAN ELECTRIC POWER CO INC	14,973.000	79.98	79.98	911,558.99	911,558 99	1,197,540.54	1,197,540.54	0.18	285,981.55	285,981.55
	025816109	AMERICAN EXPRESS CO	20,339.000	85.61	85.61	1,402,695.41	1,402,695.41	1,741,221.79	1,741,221.79	0.27	338,526.38	338,526.38

BNY MELLON

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026874784	AMERICAN INTERNATIONAL GROUP I	26,371.000	24.25	24.25	3,277,076.14	3,277,076.14	639,496.75	639,496.75	0.10	-2,637,579.39	-2,637,579.39
03027X100	AMERICAN TOWER CORP	13,427.000	217.75	217.75	1,776,875.85	1,776,875 85	2,923,729.25	2,923,729.25	0.45	1,146,853.40	1,146,853.40
030420103	AMERICAN WATER WORKS CO INC	5,480.000	119.56	119.56	488,993.30	488,993 30	655,188.80	655,188.80	0.10	166,195.50	166,195.50
03073E105	AMERISOURCEBERGEN CORP	4,557.000	88.50	88.50	293,474.34	293,474 34	403,294.50	403,294.50	0.06	109,820.16	109,820.16
03076C106	AMERIPRISE FINANCIAL INC	3,841.000	102.48	102.48	340,543.36	340,543 36	393,625.68	393,625.68	0.06	53,082.32	53,082.32
031100100	AMETEK INC	6,929.000	72.02	72.02	422,563.60	422,563 60	499,026.58	499,026.58	0.08	76,462.98	76,462.98
031162100	AMGEN INC	18,011.000	202.73	202.73	2,309,897.64	2,309,897 64	3,651,370.03	3,651,370.03	0.56	1,341,472.39	1,341,472.39
032095101	AMPHENOL CORP	8,988.000	72.88	72.88	491,807.62	491,807 62	655,045.44	655,045.44	0.10	163,237.82	163,237.82
032654105	ANALOG DEVICES INC	11,164.000	89.65	89.65	803,043.64	803,043 64	1,000,852.60	1,000,852.60	0.15	197,808.96	197,808.96
03662Q105	ANSYS NC	2,594.000	232.47	232.47	418,455.45	418,455.45	603,027.18	603,027.18	0.09	184,571.73	184,571.73
036752103	ANTHEM NC	7,686.000	227.04	227.04	1,135,986.68	1,135,986 68	1,745,029.44	1,745,029.44	0.27	609,042.76	609,042.76
037411105	APACHE CORP	11,399.000	4.18	4.18	413,716.26	413,716 26	47,647.82	47,647.82	0.01	-366,068.44	-366,068.44
03748R754	APARTMENT INVESTMENT AND MANAG	4,513.000	35.15	35.15	171,759.09	171,759 09	158,631.95	158,631.95	0.02	-13,127.14	-13,127.14
037833100	APPLE NC	126,607.000	254.29	254.29	15,216,603.16	15,216,603.16	32,194,894.03	32,194,894.03	4.95	16,978,290.87	16,978,290.87
038222105	APPLIED MATERIALS INC	28,002.000	45.82	45.82	820,613.77	820,613.77	1,283,051.64	1,283,051.64	0.20	462,437.87	462,437.87
039483102	ARCHER-DAN ELS-M DLAND CO	16,875.000	35.18	35.18	572,887.89	572,887 89	593,662.50	593,662.50	0.09	20,774.61	20,774.61
03965L100	ARCONIC INC	11,742.000	16.06	16.06	297,886.92	297,886 92	188,576.52	188,576.52	0.03	-109,310.40	-109,310.40
040413106	ARISTA NETWORKS INC	1,644.000	202.55	202.55	408,846.04	408,846 04	332,992.20	332,992.20	0.05	-75,853.84	-75,853.84
04621X108	ASSURANT INC	1,838.000	104.09	104.09	144,591.34	144,591 34	191,317.42	191,317.42	0.03	46,726.08	46,726.08
049560105	ATMOS ENERGY CORP	3,618.000	99.23	99.23	373,350.88	373,350 88	359,014.14	359,014.14	0.06	-14,336.74	-14,336.74
052769106	AUTODESK INC	6,670.000	156.10	156.10	615,831.55	615,831 55	1,041,187.00	1,041,187.00	0.16	425,355.45	425,355.45
053015103	AUTOMATIC DATA PROCESSING NC	13,116.000	136.68	136.68	1,160,934.35	1,160,934 35	1,792,694.88	1,792,694.88	0.28	631,760.53	631,760.53
053332102	AUTOZONE NC	722.000	846.00	846.00	446,664.30	446,664 30	610,812.00	610,812.00	0.09	164,147.70	164,147.70
053484101	AVALONBAY COMMUNITIES NC	4,234.000	147.17	147.17	718,977.90	718,977 90	623,117.78	623,117.78	0.10	-95,860.12	-95,860.12
053611109	AVERY DENNISON CORP	2,531.000	101.87	101.87	185,938.24	185,938 24	257,832.97	257,832.97	0.04	71,894.73	71,894.73
05722G100	BAKER HUGHES CO	19,699.000	10.50	10.50	600,928.94	600,928 94	206,839.50	206,839.50	0.03	-394,089.44	-394,089.44
058498106	BALL CORP	9,916.000	64.66	64.66	400,682.79	400,682.79	641,168.56	641,168.56	0.10	240,485.77	240,485.77
060505104	BANK OF AMERICA CORP	245,402.000	21.23	21.23	5,245,011.63	5,245,011 63	5,209,884.46	5,209,884.46	0.80	-35,127.17	-35,127.17
064058100	BANK OF NEW YORK MELLON CORP/T	25,439.000	33.68	33.68	907,569.08	907,569 08	856,785.52	856,785.52	0.13	-50,783.56	-50,783.56
071813109	BAXTER INTERNATIONAL NC	15,476.000	81.19	81.19	842,934.94	842,934 94	1,256,496.44	1,256,496.44	0.19	413,561.50	413,561.50
075887109	BECTON DICK NSON AND CO	8,198.000	229.77	229.77	1,415,624.84	1,415,624 84	1,883,654.46	1,883,654.46	0.29	468,029.62	468,029.62
084423102	WR BERKLEY CORP	4,399.000	52.17	52.17	297,186.13	297,186.13	229,495.83	229,495.83	0.04	-67,690.30	-67,690.30
084670702	BERKSHIRE HATHAWAY INC	59,293.000	182.83	182.83	8,681,195.53	8,681,195 53	10,840,539.19	10,840,539.19	1.67	2,159,343.66	2,159,343.66
086516101	BEST BUY CO NC	6,903.000	57.00	57.00	316,926.78	316,926.78	393,471.00	393,471.00	0.06	76,544.22	76,544.22
09062X103	BIOGEN NC	5,470.000	316.38	316.38	1,099,982.61	1,099,982 61	1,730,598.60	1,730,598.60	0.27	630,615.99	630,615.99
09247X101	BLACKROCK INC	3,575.000	439.97	439.97	1,186,982.31	1,186,982 31	1,572,892.75	1,572,892.75	0.24	385,910.44	385,910.44
093671105	H&R BLOCK INC	5,918.000	14.08	14.08	130,717.21	130,717 21	83,325.44	83,325.44	0.01	-47,391.77	-47,391.77
097023105	BOE NG CO/THE	16,207.000	149.14	149.14	2,571,274.32	2,571,274 32	2,417,111.98	2,417,111.98	0.37	-154,162.34	-154,162.34
09857L108	BOOKING HOLDINGS INC	1,269.000	1,345.32	1,345.32	1,267,426.75	1,267,426.75	1,707,211.08	1,707,211.08	0.26	439,784.33	439,784.33
099724106	BORGWARNER NC	6,259.000	24.37	24.37	211,847.29	211,847 29	152,531.83	152,531.83	0.02	-59,315.46	-59,315.46
101121101	BOSTON PROPERT ES NC	4,359.000	92.23	92.23	515,578.03	515,578 03	402,030.57	402,030.57	0.06	-113,547.46	-113,547.46
101137107	BOSTON SCIENT FIC CORP	42,251.000	32.63	32.63	975,206.81	975,206 81	1,378,650.13	1,378,650.13	0.21	403,443.32	403,443.32
110122108	BRISTOL-MYERS SQUIBB CO	71,059.000	55.74	55.74	3,554,532.30	3,554,532 30	3,960,828.66	3,960,828.66	0.61	406,296.36	406,296.36
11133T103	BROADRIDGE FINANCIAL SOLUTIONS	3,475.000	94.83	94.83	390,512.24	390,512 24	329,534.25	329,534.25	0.05	-60,977.99	-60,977.99

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
11135F101	BROADCOM NC	12,024.000	237.10	237.10	2,095,335.28	2,095,335 28	2,850,890.40	2,850,890.40	0.44	755,555.12	755,555.12
115637209	BROWN-FORMAN CORP	5,523.000	55.51	55.51	224,197.57	224,197 57	306,581.73	306,581.73	0.05	82,384.16	82,384.16
12503M108	CBOE GLOBAL MARKETS INC	3,361.000	89.25	89.25	325,955.54	325,955 54	299,969.25	299,969.25	0.05	-25,986.29	-25,986.29
12504L109	CBRE GROUP NC	10,147.000	37.71	37.71	394,003.54	394,003 54	382,643.37	382,643.37	0.06	-11,360.17	-11,360.17
12514G108	CDW CORP/DE	4,355.000	93.27	93.27	513,401.72	513,401.72	406,190.85	406,190.85	0.06	-107,210.87	-107,210.87
125269100	CF NDUSTRIES HOLD NGS INC	6,591.000	27.20	27.20	231,902.61	231,902 61	179,275.20	179,275.20	0.03	-52,627.41	-52,627.41
12541W209	CH ROBINSON WORLDWIDE INC	4,100.000	66.20	66.20	260,342.30	260,342 30	271,420.00	271,420.00	0.04	11,077.70	11,077.70
125523100	CIGNA CORP	11,320.000	177.18	177.18	1,494,564.96	1,494,564 96	2,005,677.60	2,005,677.60	0.31	511,112.64	511,112.64
12572Q105	CME GROUP INC	10,863.000	172.91	172.91	1,467,944.10	1,467,944.10	1,878,321.33	1,878,321.33	0.29	410,377.23	410,377.23
125896100	CMS ENERGY CORP	8,604.000	58.75	58.75	360,432.36	360,432 36	505,485.00	505,485.00	0.08	145,052.64	145,052.64
126408103	CSX CORP	23,572.000	57.30	57.30	874,916.66	874,916 66	1,350,675.60	1,350,675.60	0.21	475,758.94	475,758.94
126650100	CVS HEALTH CORP	39,436.000	59.33	59.33	2,321,347.52	2,321,347 52	2,339,737.88	2,339,737.88	0.36	18,390.36	18,390.36
127097103	CABOT O L & GAS CORP	12,365.000	17.19	17.19	225,929.99	225,929 99	212,554.35	212,554.35	0.03	-13,375.64	-13,375.64
127387108	CADENCE DESIGN SYSTEMS INC	8,506.000	66.04	66.04	437,651.35	437,651 35	561,736.24	561,736.24	0.09	124,084.89	124,084.89
134429109	CAMPBELL SOUP CO	5,121.000	46.16	46.16	226,537.97	226,537 97	236,385.36	236,385.36	0.04	9,847.39	9,847.39
14040H105	CAPITAL ONE F NANCIAL CORP	14,117.000	50.42	50.42	940,666.19	940,666.19	711,779.14	711,779.14	0.11	-228,887.05	-228,887.05
14149Y108	CARD NAL HEALTH INC	8,866.000	47.94	47.94	461,047.63	461,047 63	425,036.04	425,036.04	0.07	-36,011.59	-36,011.59
143130102	CARMAX INC	4,984.000	53.83	53.83	227,644.94	227,644 94	268,288.72	268,288.72	0.04	40,643.78	40,643.78
143658300	CARNIVAL CORP	12,142.000	13.17	13.17	448,371.49	448,371.49	159,910.14	159,910.14	0.02	-288,461.35	-288,461.35
149123101	CATERPILLAR INC	16,753.000	116.04	116.04	1,432,060.04	1,432,060 04	1,944,018.12	1,944,018.12	0.30	511,958.08	511,958.08
150870103	CELANESE CORP	3,664.000	73.39	73.39	360,695.47	360,695.47	268,900.96	268,900.96	0.04	-91,794.51	-91,794.51
15135B101	CENTENE CORP	17,697.000	59.41	59.41	879,953.46	879,953.46	1,051,378.77	1,051,378.77	0.16	171,425.31	171,425.31
15189T107	CENTERPOINT ENERGY INC	15,224.000	15.45	15.45	329,873.98	329,873 98	235,210.80	235,210.80	0.04	-94,663.18	-94,663.18
156700106	CENTURYLINK NC	29,743.000	9.46	9.46	629,804.76	629,804.76	281,368.78	281,368.78	0.04	-348,435.98	-348,435.98
156782104	CERNER CORP	9,521.000	62.99	62.99	478,916.34	478,916 34	599,727.79	599,727.79	0.09	120,811.45	120,811.45
16119P108	CHARTER COMMUNICATIONS NC	4,753.000	436.31	436.31	1,561,540.60	1,561,540 60	2,073,781.43	2,073,781.43	0.32	512,240.83	512,240.83
166764100	CHEVRON CORP	57,318.000	72.46	72.46	4,691,828.54	4,691,828 54	4,153,262.28	4,153,262.28	0.64	-538,566.26	-538,566.26
169656105	CH POTLE MEXICAN GRILL INC	775.000	654.40	654.40	365,618.23	365,618 23	507,160.00	507,160.00	0.08	141,541.77	141,541.77
171340102	CHURCH & DWIGHT CO INC	7,439.000	64.18	64.18	386,041.03	386,041 03	477,435.02	477,435.02	0.07	91,393.99	91,393.99
172062101	CINCINNATI FINANCIAL CORP	4,606.000	75.45	75.45	287,302.15	287,302.15	347,522.70	347,522.70	0.05	60,220.55	60,220.55
17275R102	CISCO SYSTEMS NC	128,596.000	39.31	39.31	3,640,913.18	3,640,913.18	5,055,108.76	5,055,108.76	0.78	1,414,195.58	1,414,195.58
172908105	CINTAS CORP	2,541.000	173.22	173.22	322,215.31	322,215 31	440,152.02	440,152.02	0.07	117,936.71	117,936.71
172967424	CITIGROUP NC	66,179.000	42.12	42.12	4,414,580.47	4,414,580.47	2,787,459.48	2,787,459.48	0.43	-1,627,120.99	-1,627,120.99
174610105	CITIZENS FINANCIAL GROUP INC	13,178.000	18.81	18.81	321,730.49	321,730.49	247,878.18	247,878.18	0.04	-73,852.31	-73,852.31
177376100	CITRIX SYSTEMS INC	3,486.000	141.55	141.55	232,919.29	232,919 29	493,443.30	493,443.30	0.08	260,524.01	260,524.01
189054109	CLOROX CO/THE	3,804.000	173.25	173.25	440,646.30	440,646 30	659,043.00	659,043.00	0.10	218,396.70	218,396.70
191216100	COCA-COLA CO/THE	116,888.000	44.25	44.25	4,604,239.11	4,604,239.11	5,172,294.00	5,172,294.00	0.79	568,054.89	568,054.89
192446102	COGNIZANT TECHNOLOGY SOLUTIONS	16,598.000	46.47	46.47	773,044.04	773,044 04	771,309.06	771,309.06	0.12	-1,734.98	-1,734.98
194162103	COLGATE-PALMOLIVE CO	25,980.000	66.36	66.36	1,532,978.69	1,532,978 69	1,724,032.80	1,724,032.80	0.26	191,054.11	191,054.11
20030N101	COMCAST CORP	137,615.000	34.38	34.38	3,618,878.48	3,618,878.48	4,731,203.70	4,731,203.70	0.73	1,112,325.22	1,112,325.22
200340107	COMERICA NC	4,370.000	29.34	29.34	207,511.00	207,511 00	128,215.80	128,215.80	0.02	-79,295.20	-79,295.20
205887102	CONAGRA BRANDS INC	14,752.000	29.34	29.34	381,739.14	381,739.14	432,823.68	432,823.68	0.07	51,084.54	51,084.54
20605P101	CONCHO RESOURCES INC	6,094.000	42.85	42.85	584,918.31	584,918 31	261,127.90	261,127.90	0.04	-323,790.41	-323,790.41
20825C104	CONOCOPHILLIPS	33,261.000	30.80	30.80	1,446,042.15	1,446,042.15	1,024,438.80	1,024,438.80	0.16	-421,603.35	-421,603.35

BNY MELLON

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209115104	CONSOLIDATED EDISON INC	10,077.000	78.00	78.00	685,877.38	685,877 38	786,006.00	786,006.00	0.12	100,128.62	100,128.62
21036P108	CONSTELLATION BRANDS NC	5,077.000	143.36	143.36	577,915.89	577,915 89	727,838.72	727,838.72	0.11	149,922.83	149,922.83
216648402	COOPER COS INC/THE	1,503.000	275.67	275.67	343,238.27	343,238 27	414,332.01	414,332.01	0.06	71,093.74	71,093.74
217204106	COPART INC	6,201.000	68.52	68.52	381,558.51	381,558 51	424,892.52	424,892.52	0.07	43,334.01	43,334.01
219350105	CORNING NC	23,314.000	20.54	20.54	471,273.75	471,273.75	478,869.56	478,869.56	0.07	7,595.81	7,595.81
22052L104	CORTEVA INC	22,686.000	23.50	23.50	529,609.92	529,609 92	533,121.00	533,121.00	0.08	3,511.08	3,511.08
22160K105	COSTCO WHOLESALE CORP	13,392.000	285.13	285.13	2,161,933.08	2,161,933 08	3,818,460.96	3,818,460.96	0.59	1,656,527.88	1,656,527.88
222070203	COTY INC	8,960.000	5.16	5.16	161,285.38	161,285 38	46,233.60	46,233.60	0.01	-115,051.78	-115,051.78
22822V101	CROWN CASTLE NTERNATIONAL COR	12,603.000	144.40	144.40	1,248,545.50	1,248,545 50	1,819,873.20	1,819,873.20	0.28	571,327.70	571,327.70
231021106	CUMMINS INC	4,644.000	135.32	135.32	484,140.70	484,140.70	628,426.08	628,426.08	0.10	144,285.38	144,285.38
23331A109	DR HORTON NC	10,165.000	34.00	34.00	303,554.27	303,554 27	345,610.00	345,610.00	0.05	42,055.73	42,055.73
233331107	DTE ENERGY CO	5,823.000	94.97	94.97	489,038.70	489,038.70	553,010.31	553,010.31	0.08	63,971.61	63,971.61
23355L106	DXC TECHNOLOGY CO	7,760.000	13.05	13.05	331,768.56	331,768 56	101,268.00	101,268.00	0.02	-230,500.56	-230,500.56
235851102	DANAHER CORP	19,378.000	138.41	138.41	1,574,727.90	1,574,727 90	2,682,108.98	2,682,108.98	0.41	1,107,381.08	1,107,381.08
237194105	DARDEN RESTAURANTS NC	3,716.000	54.46	54.46	233,382.42	233,382.42	202,373.36	202,373.36	0.03	-31,009.06	-31,009.06
23918K108	DAVITA INC	2,718.000	76.06	76.06	162,769.82	162,769 82	206,731.08	206,731.08	0.03	43,961.26	43,961.26
244199105	DEERE & CO	9,545.000	138.16	138.16	968,503.49	968,503.49	1,318,737.20	1,318,737.20	0.20	350,233.71	350,233.71
247361702	DELTA A R L NES INC	17,448.000	28.53	28.53	639,592.52	639,592 52	497,791.44	497,791.44	0.08	-141,801.08	-141,801.08
24906P109	DENTSPLY SIRONA NC	6,742.000	38.83	38.83	334,841.67	334,841 67	261,791.86	261,791.86	0.04	-73,049.81	-73,049.81
25179M103	DEVON ENERGY CORP	11,731.000	6.91	6.91	323,109.07	323,109 07	81,061.21	81,061.21	0.01	-242,047.86	-242,047.86
25278X109	DIAMONDBACK ENERGY NC	4,885.000	26.20	26.20	392,056.60	392,056 60	127,987.00	127,987.00	0.02	-264,069.60	-264,069.60
253868103	DIGITAL REALTY TRUST INC	7,968.000	138.91	138.91	926,561.90	926,561 90	1,106,834.88	1,106,834.88	0.17	180,272.98	180,272.98
254687106	WALT DISNEY CO/THE	54,636.000	96.60	96.60	4,344,297.13	4,344,297.13	5,277,837.60	5,277,837.60	0.81	933,540.47	933,540.47
254709108	DISCOVER FINANCIAL SERVICES	9,502.000	35.67	35.67	401,513.26	401,513 26	338,936.34	338,936.34	0.05	-62,576.92	-62,576.92
25470F104	DISCOVERY NC	4,794.000	19.44	19.44	121,373.02	121,373 02	93,195.36	93,195.36	0.01	-28,177.66	-28,177.66
25470F302	DISCOVERY NC	10,168.000	17.54	17.54	252,037.00	252,037 00	178,346.72	178,346.72	0.03	-73,690.28	-73,690.28
25470M109	DISH NETWORK CORP	7,761.000	19.99	19.99	379,718.79	379,718.79	155,142.39	155,142.39	0.02	-224,576.40	-224,576.40
256677105	DOLLAR GENERAL CORP	7,718.000	151.01	151.01	704,654.25	704,654 25	1,165,495.18	1,165,495.18	0.18	460,840.93	460,840.93
256746108	DOLLAR TREE INC	7,174.000	73.47	73.47	504,919.59	504,919 59	527,073.78	527,073.78	0.08	22,154.19	22,154.19
25746U109	DOM NION ENERGY INC	24,950.000	72.19	72.19	1,596,854.81	1,596,854 81	1,801,140.50	1,801,140.50	0.28	204,285.69	204,285.69
260003108	DOVER CORP	4,403.000	83.94	83.94	257,646.61	257,646 61	369,587.82	369,587.82	0.06	111,941.21	111,941.21
260557103	DOW INC	22,477.000	29.24	29.24	1,151,596.16	1,151,596.16	657,227.48	657,227.48	0.10	-494,368.68	-494,368.68
264411505	DUKE REALTY CORP	11,142.000	32.38	32.38	343,243.90	343,243 90	360,777.96	360,777.96	0.06	17,534.06	17,534.06
26441C204	DUKE ENERGY CORP	22,099.000	80.88	80.88	1,631,055.51	1,631,055 51	1,787,367.12	1,787,367.12	0.27	156,311.61	156,311.61
26614N102	DUPONT DE NEMOURS NC	22,456.000	34.10	34.10	1,236,364.46	1,236,364.46	765,749.60	765,749.60	0.12	-470,614.86	-470,614.86
26875P101	EOG RESOURCES INC	17,635.000	35.92	35.92	1,055,623.56	1,055,623 56	633,449.20	633,449.20	0.10	-422,174.36	-422,174.36
269246401	E*TRADE F NANCIAL CORP	6,848.000	34.32	34.32	188,108.79	188,108.79	235,023.36	235,023.36	0.04	46,914.57	46,914.57
277432100	EASTMAN CHEMICAL CO	4,122.000	46.58	46.58	215,038.50	215,038 50	192,002.76	192,002.76	0.03	-23,035.74	-23,035.74
278642103	EBAY INC	23,181.000	30.06	30.06	534,948.65	534,948 65	696,820.86	696,820.86	0.11	161,872.21	161,872.21
278865100	ECOLAB NC	7,602.000	155.83	155.83	877,350.87	877,350 87	1,184,619.66	1,184,619.66	0.18	307,268.79	307,268.79
281020107	EDISON INTERNATIONAL	10,870.000	54.79	54.79	614,717.01	614,717 01	595,567.30	595,567.30	0.09	-19,149.71	-19,149.71
28176E108	EDWARDS LIFESCIENCES CORP	6,322.000	188.62	188.62	673,815.12	673,815.12	1,192,455.64	1,192,455.64	0.18	518,640.52	518,640.52
285512109	ELECTRONIC ARTS NC	8,851.000	100.17	100.17	521,004.23	521,004 23	886,604.67	886,604.67	0.14	365,600.44	365,600.44
291011104	EMERSON ELECTRIC CO	18,465.000	47.65	47.65	890,609.83	890,609 83	879,857.25	879,857.25	0.14	-10,752.58	-10,752.58

BNY MELLON

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29364G103	ENTERGY CORP	6,035.000	93.97	93.97	524,046.30	524,046 30	567,108.95	567,108.95	0.09	43,062.65	43,062.65
294429105	EQU FAX NC	3,670.000	119.45	119.45	321,276.17	321,276.17	438,381.50	438,381.50	0.07	117,105.33	117,105.33
29444U700	EQU NIX INC	2,585.000	624.57	624.57	1,016,514.86	1,016,514 86	1,614,513.45	1,614,513.45	0.25	597,998.59	597,998.59
29476L107	EQUITY RESIDENTIAL	10,581.000	61.71	61.71	729,986.25	729,986 25	652,953.51	652,953.51	0.10	-77,032.74	-77,032.74
297178105	ESSEX PROPERTY TRUST INC	2,003.000	220.24	220.24	456,609.31	456,609 31	441,140.72	441,140.72	0.07	-15,468.59	-15,468.59
30034W106	EVERGY INC	6,908.000	55.05	55.05	387,656.39	387,656 39	380,285.40	380,285.40	0.06	-7,370.99	-7,370.99
30040W108	EVERSOURCE ENERGY	9,814.000	78.21	78.21	547,710.58	547,710 58	767,552.94	767,552.94	0.12	219,842.36	219,842.36
30161N101	EXELON CORP	29,468.000	36.81	36.81	1,143,422.20	1,143,422 20	1,084,717.08	1,084,717.08	0.17	-58,705.12	-58,705.12
30212P303	EXPEDIA GROUP INC	4,236.000	56.27	56.27	387,661.41	387,661.41	238,359.72	238,359.72	0.04	-149,301.69	-149,301.69
302130109	EXPEDITORS INTERNATIONAL OF WA	5,162.000	66.72	66.72	238,085.91	238,085 91	344,408.64	344,408.64	0.05	106,322.73	106,322.73
30225T102	EXTRA SPACE STORAGE INC	3,926.000	95.76	95.76	364,540.97	364,540 97	375,953.76	375,953.76	0.06	11,412.79	11,412.79
30231G102	EXXON MOBIL CORP	128,257.000	37.97	37.97	7,766,365.42	7,766,365.42	4,869,918.29	4,869,918.29	0.75	-2,896,447.13	-2,896,447.13
302445101	FLIR SYSTEMS NC	4,067.000	31.89	31.89	146,962.15	146,962.15	129,696.63	129,696.63	0.02	-17,265.52	-17,265.52
302491303	FMC CORP	3,929.000	81.69	81.69	203,795.15	203,795.15	320,960.01	320,960.01	0.05	117,164.86	117,164.86
30303M102	FACEBOOK NC	72,947.000	166.80	166.80	8,553,297.21	8,553,297 21	12,167,559.60	12,167,559.60	1.87	3,614,262.39	3,614,262.39
311900104	FASTENAL CO	17,385.000	31.25	31.25	382,857.43	382,857.43	543,281.25	543,281.25	0.08	160,423.82	160,423.82
313747206	FEDERAL REALTY INVESTMENT TRUS	2,129.000	74.61	74.61	289,203.25	289,203 25	158,844.69	158,844.69	0.02	-130,358.56	-130,358.56
31428X106	FEDEX CORP	7,276.000	121.26	121.26	829,407.07	829,407 07	882,287.76	882,287.76	0.14	52,880.69	52,880.69
315616102	F5 NETWORKS NC	1,843.000	106.63	106.63	213,633.94	213,633 94	196,519.09	196,519.09	0.03	-17,114.85	-17,114.85
31620M106	F DELITY NATIONAL INFORMATION	18,630.000	121.64	121.64	1,948,684.71	1,948,684.71	2,266,153.20	2,266,153.20	0.35	317,468.49	317,468.49
316773100	F FTH THIRD BANCORP	21,512.000	14.85	14.85	421,310.56	421,310 56	319,453.20	319,453.20	0.05	-101,857.36	-101,857.36
33616C100	F RST REPUBLIC BANK/CA	5,108.000	82.28	82.28	512,833.82	512,833 82	420,286.24	420,286.24	0.06	-92,547.58	-92,547.58
337738108	FISERV INC	17,312.000	94.99	94.99	1,177,043.21	1,177,043 21	1,644,466.88	1,644,466.88	0.25	467,423.67	467,423.67
337932107	F RSTENERGY CORP	16,378.000	40.07	40.07	636,528.19	636,528.19	656,266.46	656,266.46	0.10	19,738.27	19,738.27
339041105	FLEETCOR TECHNOLOGIES INC	2,631.000	186.54	186.54	606,327.27	606,327 27	490,786.74	490,786.74	0.08	-115,540.53	-115,540.53
34354P105	FLOWSERVE CORP	3,967.000	23.89	23.89	185,035.45	185,035.45	94,771.63	94,771.63	0.01	-90,263.82	-90,263.82
345370860	FORD MOTOR CO	118,040.000	4.83	4.83	1,062,406.67	1,062,406 67	570,133.20	570,133.20	0.09	-492,273.47	-492,273.47
34959E109	FORTINET INC	4,303.000	101.17	101.17	344,394.99	344,394 99	435,334.51	435,334.51	0.07	90,939.52	90,939.52
34959J108	FORTIVE CORP	8,958.000	55.19	55.19	387,672.55	387,672 55	494,392.02	494,392.02	0.08	106,719.47	106,719.47
34964C106	FORTUNE BRANDS HOME & SECURITY	4,218.000	43.25	43.25	252,465.81	252,465 81	182,428.50	182,428.50	0.03	-70,037.31	-70,037.31
35137L105	FOX CORP	10,746.000	23.63	23.63	358,042.15	358,042.15	253,927.98	253,927.98	0.04	-104,114.17	-104,114.17
35137L204	FOX CORP	4,922.000	22.88	22.88	161,071.32	161,071 32	112,615.36	112,615.36	0.02	-48,455.96	-48,455.96
354613101	FRANKLIN RESOURCES INC	8,455.000	16.69	16.69	261,405.91	261,405 91	141,113.95	141,113.95	0.02	-120,291.96	-120,291.96
35671D857	FREEPORT-MCMORAN INC	43,982.000	6.75	6.75	679,217.21	679,217 21	296,878.50	296,878.50	0.05	-382,338.71	-382,338.71
363576109	ARTHUR J GALLAGHER & CO	5,654.000	81.51	81.51	361,652.76	361,652.76	460,857.54	460,857.54	0.07	99,204.78	99,204.78
364760108	GAP INC/THE	6,450.000	7.04	7.04	130,566.71	130,566.71	45,408.00	45,408.00	0.01	-85,158.71	-85,158.71
366651107	GARTNER NC	2,712.000	99.57	99.57	316,392.27	316,392 27	270,033.84	270,033.84	0.04	-46,358.43	-46,358.43
369550108	GENERAL DYNAMICS CORP	7,103.000	132.31	132.31	839,714.09	839,714 09	939,797.93	939,797.93	0.14	100,083.84	100,083.84
369604103	GENERAL ELECTRIC CO	264,740.000	7.94	7.94	5,336,987.06	5,336,987 06	2,102,035.60	2,102,035.60	0.32	-3,234,951.46	-3,234,951.46
370334104	GENERAL MILLS INC	18,321.000	52.77	52.77	875,104.77	875,104.77	966,799.17	966,799.17	0.15	91,694.40	91,694.40
37045V100	GENERAL MOTORS CO	38,113.000	20.78	20.78	1,261,470.19	1,261,470.19	791,988.14	791,988.14	0.12	-469,482.05	-469,482.05
372460105	GENUINE PARTS CO	4,404.000	67.33	67.33	297,096.23	297,096 23	296,521.32	296,521.32	0.05	-574.91	-574.91
375558103	G LEAD SC ENCES NC	38,350.000	74.76	74.76	1,929,052.43	1,929,052.43	2,867,046.00	2,867,046.00	0.44	937,993.57	937,993.57
37940X102	GLOBAL PAYMENTS INC	9,111.000	144.23	144.23	920,271.45	920,271.45	1,314,079.53	1,314,079.53	0.20	393,808.08	393,808.08

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
37959E102	GLOBE LIFE INC	3,020.000	71.97	71.97	157,316.48	157,316.48	217,349.40	217,349.40	0.03	60,032.92	60,032.92
38141G104	GOLDMAN SACHS GROUP INC/THE	9,660.000	154.59	154.59	1,462,792.53	1,462,792 53	1,493,339.40	1,493,339.40	0.23	30,546.87	30,546.87
384802104	WW GRA NGER INC	1,323.000	248.50	248.50	252,911.59	252,911 59	328,765.50	328,765.50	0.05	75,853.91	75,853.91
40412C101	HCA HEALTHCARE INC	8,020.000	89.85	89.85	718,998.43	718,998.43	720,597.00	720,597.00	0.11	1,598.57	1,598.57
40434L105	HP INC	44,921.000	17.36	17.36	621,117.39	621,117 39	779,828.56	779,828.56	0.12	158,711.17	158,711.17
406216101	HALL BURTON CO	26,609.000	6.85	6.85	629,688.43	629,688.43	182,271.65	182,271.65	0.03	-447,416.78	-447,416.78
410345102	HANESBRANDS INC	10,964.000	7.87	7.87	273,064.79	273,064.79	86,286.68	86,286.68	0.01	-186,778.11	-186,778.11
412822108	HARLEY-DAVIDSON NC	4,677.000	18.93	18.93	189,847.02	189,847 02	88,535.61	88,535.61	0.01	-101,311.41	-101,311.41
416515104	HARTFORD FINANCIAL SERVICES GR	10,925.000	35.24	35.24	445,519.16	445,519.16	384,997.00	384,997.00	0.06	-60,522.16	-60,522.16
418056107	HASBRO NC	3,857.000	71.55	71.55	269,792.13	269,792.13	275,968.35	275,968.35	0.04	6,176.22	6,176.22
42250P103	HEALTHPEAK PROPERT ES INC	15,004.000	23.85	23.85	507,671.25	507,671 25	357,845.40	357,845.40	0.05	-149,825.85	-149,825.85
423452101	HELMERICH & PAYNE INC	3,287.000	15.65	15.65	137,762.64	137,762 64	51,441.55	51,441.55	0.01	-86,321.09	-86,321.09
426281101	JACK HENRY & ASSOCIATES NC	2,332.000	155.24	155.24	330,064.43	330,064.43	362,019.68	362,019.68	0.06	31,955.25	31,955.25
427866108	HERSHEY CO/THE	4,496.000	132.50	132.50	451,614.31	451,614 31	595,720.00	595,720.00	0.09	144,105.69	144,105.69
42809H107	HESS CORP	7,851.000	33.30	33.30	376,200.67	376,200 67	261,438.30	261,438.30	0.04	-114,762.37	-114,762.37
42824C109	HEWLETT PACKARD ENTERPRISE CO	39,225.000	9.71	9.71	351,391.18	351,391.18	380,874.75	380,874.75	0.06	29,483.57	29,483.57
43300A203	HILTON WORLDWIDE HOLDINGS NC	8,553.000	68.24	68.24	655,951.19	655,951.19	583,656.72	583,656.72	0.09	-72,294.47	-72,294.47
436106108	HOLLYFRONTIER CORP	4,501.000	24.51	24.51	268,428.88	268,428 88	110,319.51	110,319.51	0.02	-158,109.37	-158,109.37
436440101	HOLOGIC INC	8,128.000	35.10	35.10	327,044.03	327,044 03	285,292.80	285,292.80	0.04	-41,751.23	-41,751.23
437076102	HOME DEPOT NC/THE	33,066.000	186.71	186.71	3,906,766.55	3,906,766 55	6,173,752.86	6,173,752.86	0.95	2,266,986.31	2,266,986.31
438516106	HONEYWELL INTERNATIONAL INC	21,660.000	133.79	133.79	2,030,235.82	2,030,235 82	2,897,891.40	2,897,891.40	0.45	867,655.58	867,655.58
440452100	HORMEL FOODS CORP	8,429.000	46.64	46.64	281,030.09	281,030 09	393,128.56	393,128.56	0.06	112,098.47	112,098.47
44107P104	HOST HOTELS & RESORTS NC	21,740.000	11.04	11.04	337,127.78	337,127.78	240,009.60	240,009.60	0.04	-97,118.18	-97,118.18
444859102	HUMANA INC	4,014.000	314.02	314.02	734,329.63	734,329 63	1,260,476.28	1,260,476.28	0.19	526,146.65	526,146.65
445658107	JB HUNT TRANSPORT SERVICES INC	2,585.000	92.23	92.23	224,226.23	224,226 23	238,414.55	238,414.55	0.04	14,188.32	14,188.32
446150104	HUNTINGTON BANCSHARES INC/OH	31,306.000	8.21	8.21	301,001.14	301,001.14	257,022.26	257,022.26	0.04	-43,978.88	-43,978.88
446413106	HUNTINGTON INGALLS INDUSTR ES	1,240.000	182.21	182.21	300,888.00	300,888 00	225,940.40	225,940.40	0.03	-74,947.60	-74,947.60
44980X109	IPG PHOTONICS CORP	1,078.000	110.28	110.28	218,716.10	218,716.10	118,881.84	118,881.84	0.02	-99,834.26	-99,834.26
45167R104	IDEX CORP	2,306.000	138.11	138.11	364,495.79	364,495.79	318,481.66	318,481.66	0.05	-46,014.13	-46,014.13
45168D104	IDEXX LABORATORIES INC	2,600.000	242.24	242.24	489,099.52	489,099 52	629,824.00	629,824.00	0.10	140,724.48	140,724.48
452308109	ILLINOIS TOOL WORKS INC	8,866.000	142.12	142.12	829,780.59	829,780 59	1,260,035.92	1,260,035.92	0.19	430,255.33	430,255.33
452327109	ILLUMINA INC	4,456.000	273.12	273.12	966,727.05	966,727 05	1,217,022.72	1,217,022.72	0.19	250,295.67	250,295.67
45337C102	INCYTE CORP	5,419.000	73.23	73.23	640,625.22	640,625 22	396,833.37	396,833.37	0.06	-243,791.85	-243,791.85
45687V106	INGERSOLL RAND INC	10,490.000	24.80	24.80	208,365.15	208,365.15	260,152.00	260,152.00	0.04	51,786.85	51,786.85
458140100	INTEL CORP	131,861.000	54.12	54.12	4,534,044.68	4,534,044 68	7,136,317.32	7,136,317.32	1.10	2,602,272.64	2,602,272.64
45866F104	INTERCONT NENTAL EXCHANGE NC	16,880.000	80.75	80.75	939,373.01	939,373 01	1,363,060.00	1,363,060.00	0.21	423,686.99	423,686.99
459200101	INTERNATIONAL BUS NESS MACH NE	26,846.000	110.93	110.93	3,361,344.55	3,361,344 55	2,978,026.78	2,978,026.78	0.46	-383,317.77	-383,317.77
459506101	INTERNATIONAL FLAVORS & FRAGRA	3,237.000	102.08	102.08	342,463.35	342,463 35	330,432.96	330,432.96	0.05	-12,030.39	-12,030.39
460146103	INTERNATIONAL PAPER CO	11,886.000	31.13	31.13	456,594.11	456,594.11	370,011.18	370,011.18	0.06	-86,582.93	-86,582.93
460690100	INTERPUBLIC GROUP OF COS INC/T	11,753.000	16.19	16.19	242,903.58	242,903 58	190,281.07	190,281.07	0.03	-52,622.51	-52,622.51
461202103	INTUIT NC	7,891.000	230.00	230.00	1,149,257.23	1,149,257 23	1,814,930.00	1,814,930.00	0.28	665,672.77	665,672.77
46120E602	INTUITIVE SURGICAL NC	3,503.000	495.21	495.21	1,056,953.84	1,056,953 84	1,734,720.63	1,734,720.63	0.27	677,766.79	677,766.79
46266C105	IQVIA HOLDINGS INC	5,470.000	107.86	107.86	642,434.09	642,434 09	589,994.20	589,994.20	0.09	-52,439.89	-52,439.89
46284V101	IRON MOUNTAIN INC	8,704.000	23.80	23.80	271,816.90	271,816 90	207,155.20	207,155.20	0.03	-64,661.70	-64,661.70

BNY MELLON

Asset Detail

[redacted]

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Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
46625H100	JPMORGAN CHASE & CO	95,076.000	90.03	90.03	6,425,831.91	6,425,831 91	8,559,692.28	8,559,692.28	1.32	2,133,860.37	2,133,860.37
469814107	JACOBS ENGINEER NG GROUP INC	4,107.000	79.27	79.27	259,728.93	259,728 93	325,561.89	325,561.89	0.05	65,832.96	65,832.96
478160104	JOHNSON & JOHNSON	79,780.000	131.13	131.13	7,496,692.68	7,496,692 68	10,461,551.40	10,461,551.40	1.61	2,964,858.72	2,964,858.72
48203R104	JUNIPER NETWORKS INC	10,146.000	19.14	19.14	260,840.86	260,840 86	194,194.44	194,194.44	0.03	-66,646.42	-66,646.42
482480100	KLA CORP	4,783.000	143.74	143.74	426,904.13	426,904.13	687,508.42	687,508.42	0.11	260,604.29	260,604.29
485170302	KANSAS CITY SOUTHERN	3,005.000	127.18	127.18	336,337.53	336,337 53	382,175.90	382,175.90	0.06	45,838.37	45,838.37
487836108	KELLOGG CO	7,548.000	59.99	59.99	477,839.59	477,839 59	452,804.52	452,804.52	0.07	-25,035.07	-25,035.07
493267108	KEYCORP	29,857.000	10.37	10.37	415,379.30	415,379 30	309,617.09	309,617.09	0.05	-105,762.21	-105,762.21
49338L103	KEYSIGHT TECHNOLOGIES NC	5,686.000	83.68	83.68	390,531.18	390,531.18	475,804.48	475,804.48	0.07	85,273.30	85,273.30
494368103	KIMBERLY-CLARK CORP	10,391.000	127.87	127.87	998,509.57	998,509 57	1,328,697.17	1,328,697.17	0.20	330,187.60	330,187.60
49446R109	KIMCO REALTY CORP	12,799.000	9.67	9.67	245,896.29	245,896 29	123,766.33	123,766.33	0.02	-122,129.96	-122,129.96
49456B101	KINDER MORGAN NC	59,046.000	13.92	13.92	1,502,445.99	1,502,445 99	821,920.32	821,920.32	0.13	-680,525.67	-680,525.67
500255104	KOHL'S CORP	4,746.000	14.59	14.59	224,700.02	224,700 02	69,244.14	69,244.14	0.01	-155,455.88	-155,455.88
500754106	KRAFT HEINZ CO/THE	18,879.000	24.74	24.74	955,903.15	955,903.15	467,066.46	467,066.46	0.07	-488,836.69	-488,836.69
501044101	KROGER CO/THE	24,311.000	30.12	30.12	576,664.27	576,664 27	732,247.32	732,247.32	0.11	155,583.05	155,583.05
501797104	L BRANDS INC	7,040.000	11.56	11.56	281,231.69	281,231 69	81,382.40	81,382.40	0.01	-199,849.29	-199,849.29
501889208	LKQ CORP	9,290.000	20.51	20.51	283,180.11	283,180.11	190,537.90	190,537.90	0.03	-92,642.21	-92,642.21
502431109	L3HARRIS TECHNOLOGIES NC	6,701.000	180.12	180.12	1,385,540.09	1,385,540 09	1,206,984.12	1,206,984.12	0.19	-178,555.97	-178,555.97
50540R409	LABORATORY CORP OF AMERICA HOL	2,943.000	126.39	126.39	374,360.16	374,360.16	371,965.77	371,965.77	0.06	-2,394.39	-2,394.39
512807108	LAM RESEARCH CORP	4,398.000	240.00	240.00	541,829.37	541,829 37	1,055,520.00	1,055,520.00	0.16	513,690.63	513,690.63
513272104	LAMB WESTON HOLDINGS INC	4,428.000	57.10	57.10	325,226.17	325,226.17	252,838.80	252,838.80	0.04	-72,387.37	-72,387.37
517834107	LAS VEGAS SANDS CORP	10,244.000	42.47	42.47	626,437.30	626,437 30	435,062.68	435,062.68	0.07	-191,374.62	-191,374.62
518439104	ESTEE LAUDER COS NC/THE	6,746.000	159.34	159.34	738,797.37	738,797 37	1,074,907.64	1,074,907.64	0.17	336,110.27	336,110.27
524660107	LEGGETT & PLATT INC	3,989.000	26.68	26.68	127,276.31	127,276 31	106,426.52	106,426.52	0.02	-20,849.79	-20,849.79
525327102	LEIDOS HOLDINGS INC	4,034.000	91.65	91.65	350,215.37	350,215 37	369,716.10	369,716.10	0.06	19,500.73	19,500.73
526057104	LENNAR CORP	8,484.000	38.20	38.20	361,142.60	361,142 60	324,088.80	324,088.80	0.05	-37,053.80	-37,053.80
532457108	ELI L LLY AND CO	25,612.000	138.72	138.72	2,166,146.24	2,166,146 24	3,552,896.64	3,552,896.64	0.55	1,386,750.40	1,386,750.40
534187109	LINCOLN NATIONAL CORP	6,012.000	26.32	26.32	227,785.00	227,785 00	158,235.84	158,235.84	0.02	-69,549.16	-69,549.16
538034109	LIVE NATION ENTERTAINMENT INC	4,272.000	45.46	45.46	288,751.14	288,751.14	194,205.12	194,205.12	0.03	-94,546.02	-94,546.02
539830109	LOCKHEED MARTIN CORP	7,524.000	338.95	338.95	1,643,812.66	1,643,812 66	2,550,259.80	2,550,259.80	0.39	906,447.14	906,447.14
540424108	LOEWS CORP	7,754.000	34.83	34.83	322,142.38	322,142 38	270,071.82	270,071.82	0.04	-52,070.56	-52,070.56
548661107	LOWE'S COS NC	23,234.000	86.05	86.05	1,443,303.10	1,443,303.10	1,999,285.70	1,999,285.70	0.31	555,982.60	555,982.60
55261F104	M&T BANK CORP	4,000.000	103.43	103.43	458,334.08	458,334 08	413,720.00	413,720.00	0.06	-44,614.08	-44,614.08
552953101	MGM RESORTS NTERNATIONAL	15,611.000	11.80	11.80	449,457.41	449,457.41	184,209.80	184,209.80	0.03	-265,247.61	-265,247.61
55354G100	MSCI INC	2,568.000	288.96	288.96	500,424.03	500,424 03	742,049.28	742,049.28	0.11	241,625.25	241,625.25
55616P104	MACY'S INC	9,367.000	4.91	4.91	249,739.35	249,739 35	45,991.97	45,991.97	0.01	-203,747.38	-203,747.38
565849106	MARATHON OIL CORP	24,248.000	3.29	3.29	295,905.37	295,905 37	79,775.92	79,775.92	0.01	-216,129.45	-216,129.45
56585A102	MARATHON PETROLEUM CORP	19,683.000	23.62	23.62	661,316.32	661,316 32	464,912.46	464,912.46	0.07	-196,403.86	-196,403.86
57060D108	MARKETAXESS HOLD NGS INC	1,150.000	332.57	332.57	390,676.56	390,676 56	382,455.50	382,455.50	0.06	-8,221.06	-8,221.06
571748102	MARSH & MCLENNAN COS INC	15,298.000	86.46	86.46	996,747.89	996,747 89	1,322,665.08	1,322,665.08	0.20	325,917.19	325,917.19
571903202	MARRIOTT NTERNATIONAL INC/MD	8,226.000	74.81	74.81	605,618.29	605,618 29	615,387.06	615,387.06	0.09	9,768.77	9,768.77
573284106	MART N MAR ETTA MATERIALS NC	1,895.000	189.23	189.23	320,526.20	320,526 20	358,590.85	358,590.85	0.06	38,064.65	38,064.65
574599106	MASCO CORP	8,612.000	34.57	34.57	223,371.94	223,371 94	297,716.84	297,716.84	0.05	74,344.90	74,344.90
57636Q104	MASTERCARD INC	26,910.000	241.56	241.56	3,516,176.80	3,516,176 80	6,500,379.60	6,500,379.60	1.00	2,984,202.80	2,984,202.80

BNY MELLON

Asset Detail

Acct Base Currency Code : USD

[redacted]

As Of Date : 3/31/2020

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
57772K101	MAX M INTEGRATED PRODUCTS INC	8,203.000	48.61	48.61	411,793.80	411,793 80	398,747.83	398,747.83	0.06	-13,045.97	-13,045.97
579780206	MCCORMICK & CO INC/MD	3,746.000	141.21	141.21	344,144.28	344,144 28	528,972.66	528,972.66	0.08	184,828.38	184,828.38
580135101	MCDONALD'S CORP	22,828.000	165.35	165.35	2,635,231.81	2,635,231 81	3,774,609.80	3,774,609.80	0.58	1,139,377.99	1,139,377.99
58155Q103	MCKESSON CORP	5,462.000	135.26	135.26	614,379.71	614,379.71	738,790.12	738,790.12	0.11	124,410.41	124,410.41
58933Y105	MERCK & CO INC	77,176.000	76.94	76.94	4,421,294.20	4,421,294 20	5,937,921.44	5,937,921.44	0.91	1,516,627.24	1,516,627.24
59156R108	METL FE NC	23,695.000	30.57	30.57	854,171.02	854,171 02	724,356.15	724,356.15	0.11	-129,814.87	-129,814.87
592688105	METTLER-TOLEDO INTERNATIONAL I	738.000	690.51	690.51	371,887.29	371,887 29	509,596.38	509,596.38	0.08	137,709.09	137,709.09
594918104	MICROSOFT CORP	231,252.000	157.71	157.71	17,836,187.00	17,836,187 00	36,470,752.92	36,470,752.92	5.60	18,634,565.92	18,634,565.92
595017104	MICROCHIP TECHNOLOGY INC	7,244.000	67.80	67.80	422,457.62	422,457 62	491,143.20	491,143.20	0.08	68,685.58	68,685.58
595112103	MICRON TECHNOLOGY INC	33,558.000	42.06	42.06	925,730.15	925,730.15	1,411,449.48	1,411,449.48	0.22	485,719.33	485,719.33
59522J103	MID-AMERICA APARTMENT COMMUNIT	3,458.000	103.03	103.03	369,068.81	369,068 81	356,277.74	356,277.74	0.05	-12,791.07	-12,791.07
608190104	MOHAWK INDUSTR ES NC	1,802.000	76.24	76.24	257,310.27	257,310 27	137,384.48	137,384.48	0.02	-119,925.79	-119,925.79
60871R209	MOLSON COORS BEVERAGE CO	5,694.000	39.01	39.01	337,924.79	337,924.79	222,122.94	222,122.94	0.03	-115,801.85	-115,801.85
609207105	MONDELEZ NTERNATIONAL INC	43,645.000	50.08	50.08	1,511,898.02	1,511,898 02	2,185,741.60	2,185,741.60	0.34	673,843.58	673,843.58
61174X109	MONSTER BEVERAGE CORP	11,572.000	56.26	56.26	521,581.95	521,581 95	651,040.72	651,040.72	0.10	129,458.77	129,458.77
615369105	MOODY'S CORP	4,922.000	211.50	211.50	589,993.55	589,993 55	1,041,003.00	1,041,003.00	0.16	451,009.45	451,009.45
617446448	MORGAN STANLEY	37,289.000	34.00	34.00	1,242,492.23	1,242,492 23	1,267,826.00	1,267,826.00	0.19	25,333.77	25,333.77
61945C103	MOSAIC CO/THE	10,599.000	10.82	10.82	358,971.21	358,971 21	114,681.18	114,681.18	0.02	-244,290.03	-244,290.03
620076307	MOTOROLA SOLUTIONS NC	5,194.000	132.92	132.92	517,360.73	517,360.73	690,386.48	690,386.48	0.11	173,025.75	173,025.75
629377508	NRG ENERGY NC	7,627.000	27.26	27.26	190,317.88	190,317 88	207,912.02	207,912.02	0.03	17,594.14	17,594.14
62944T105	NVR INC	105.000	2,569.11	2,569.11	365,809.94	365,809 94	269,756.55	269,756.55	0.04	-96,053.39	-96,053.39
631103108	NASDAQ NC	3,478.000	94.95	94.95	227,844.70	227,844.70	330,236.10	330,236.10	0.05	102,391.40	102,391.40
637071101	NATIONAL OILWELL VARCO NC	11,696.000	9.83	9.83	400,012.89	400,012 89	114,971.68	114,971.68	0.02	-285,041.21	-285,041.21
64110D104	NETAPP INC	6,918.000	41.69	41.69	304,540.64	304,540 64	288,411.42	288,411.42	0.04	-16,129.22	-16,129.22
64110L106	NETFLIX INC	13,285.000	375.50	375.50	2,216,654.45	2,216,654.45	4,988,517.50	4,988,517.50	0.77	2,771,863.05	2,771,863.05
651229106	NEWELL BRANDS NC	11,551.000	13.28	13.28	297,709.62	297,709 62	153,397.28	153,397.28	0.02	-144,312.34	-144,312.34
651639106	NEWMONT CORP	24,852.000	45.28	45.28	869,893.73	869,893.73	1,125,298.56	1,125,298.56	0.17	255,404.83	255,404.83
65249B109	NEWS CORP	11,778.000	8.97	8.97	141,376.34	141,376 34	105,707.55	105,707.55	0.02	-35,668.79	-35,668.79
65249B208	NEWS CORP	3,691.000	8.99	8.99	49,285.66	49,285 66	33,182.09	33,182.09	0.01	-16,103.57	-16,103.57
65339F101	NEXTERA ENERGY NC	14,816.000	240.62	240.62	2,065,250.46	2,065,250.46	3,565,025.92	3,565,025.92	0.55	1,499,775.46	1,499,775.46
654106103	NIKE INC	37,771.000	82.74	82.74	1,875,091.99	1,875,091 99	3,125,172.54	3,125,172.54	0.48	1,250,080.55	1,250,080.55
65473P105	NISOURCE INC	11,323.000	24.97	24.97	223,543.41	223,543.41	282,735.31	282,735.31	0.04	59,191.90	59,191.90
655044105	NOBLE ENERGY NC	14,499.000	6.04	6.04	416,652.06	416,652 06	87,573.96	87,573.96	0.01	-329,078.10	-329,078.10
655664100	NORDSTROM NC	3,247.000	15.34	15.34	136,839.72	136,839.72	49,808.98	49,808.98	0.01	-87,030.74	-87,030.74
655844108	NORFOLK SOUTHERN CORP	7,904.000	146.00	146.00	791,413.79	791,413.79	1,153,984.00	1,153,984.00	0.18	362,570.21	362,570.21
665859104	NORTHERN TRUST CORP	6,423.000	75.46	75.46	430,742.25	430,742 25	484,679.58	484,679.58	0.07	53,937.33	53,937.33
666807102	NORTHROP GRUMMAN CORP	4,751.000	302.55	302.55	841,570.88	841,570 88	1,437,415.05	1,437,415.05	0.22	595,844.17	595,844.17
668771108	NORTONLIFELOCK INC	17,381.000	18.71	18.71	344,207.22	344,207 22	325,198.51	325,198.51	0.05	-19,008.71	-19,008.71
670346105	NUCOR CORP	9,191.000	36.02	36.02	392,807.86	392,807 86	331,059.82	331,059.82	0.05	-61,748.04	-61,748.04
67066G104	NVIDIA CORP	18,552.000	263.60	263.60	1,928,112.57	1,928,112 57	4,890,307.20	4,890,307.20	0.75	2,962,194.63	2,962,194.63
67103H107	O'REILLY AUTOMOTIVE INC	2,293.000	301.05	301.05	472,618.32	472,618 32	690,307.65	690,307.65	0.11	217,689.33	217,689.33
674599105	OCCIDENTAL PETROLEUM CORP	27,079.000	11.58	11.58	1,174,647.67	1,174,647 67	313,574.82	313,574.82	0.05	-861,072.85	-861,072.85
679580100	OLD DOM NION FREIGHT LINE NC	2,904.000	131.26	131.26	367,156.12	367,156.12	381,179.04	381,179.04	0.06	14,022.92	14,022.92
681919106	OMNICOM GROUP NC	6,600.000	54.90	54.90	400,589.25	400,589 25	362,340.00	362,340.00	0.06	-38,249.25	-38,249.25

BNY MELLON

Asset Detail

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682680103	ONEOK INC	12,522.000	21.81	21.81	563,182.38	563,182 38	273,104.82	273,104.82	0.04	-290,077.56	-290,077.56
68389X105	ORACLE CORP	65,672.000	48.33	48.33	2,342,092.05	2,342,092 05	3,173,927.76	3,173,927.76	0.49	831,835.71	831,835.71
693475105	PNC F NANCIAL SERVICES GROUP I	13,282.000	95.72	95.72	1,141,836.19	1,141,836.19	1,271,353.04	1,271,353.04	0.20	129,516.85	129,516.85
693506107	PPG INDUSTR ES INC	7,168.000	83.60	83.60	534,321.66	534,321 66	599,244.80	599,244.80	0.09	64,923.14	64,923.14
69351T106	PPL CORP	23,275.000	24.68	24.68	680,978.98	680,978 98	574,427.00	574,427.00	0.09	-106,551.98	-106,551.98
693656100	PVH CORP	2,248.000	37.64	37.64	216,222.81	216,222 81	84,614.72	84,614.72	0.01	-131,608.09	-131,608.09
693718108	PACCAR INC	10,484.000	61.13	61.13	468,615.44	468,615.44	640,886.92	640,886.92	0.10	172,271.48	172,271.48
695156109	PACKAG NG CORP OF AMERICA	2,869.000	86.83	86.83	309,635.03	309,635 03	249,115.27	249,115.27	0.04	-60,519.76	-60,519.76
701094104	PARKER-HANNIF N CORP	3,894.000	129.73	129.73	413,467.88	413,467 88	505,168.62	505,168.62	0.08	91,700.74	91,700.74
704326107	PAYCHEX INC	9,657.000	62.92	62.92	506,780.28	506,780 28	607,618.44	607,618.44	0.09	100,838.16	100,838.16
70432V102	PAYCOM SOFTWARE NC	1,487.000	202.01	202.01	416,939.36	416,939 36	300,388.87	300,388.87	0.05	-116,550.49	-116,550.49
70450Y103	PAYPAL HOLDINGS NC	35,593.000	95.74	95.74	1,979,013.64	1,979,013 64	3,407,673.82	3,407,673.82	0.52	1,428,660.18	1,428,660.18
712704105	PEOPLE'S UNITED FINANCIAL INC	13,463.000	11.05	11.05	207,629.97	207,629 97	148,766.15	148,766.15	0.02	-58,863.82	-58,863.82
713448108	PEPSICO INC	42,269.000	120.10	120.10	3,767,732.45	3,767,732.45	5,076,506.90	5,076,506.90	0.78	1,308,774.45	1,308,774.45
714046109	PERKINELMER INC	3,368.000	75.28	75.28	170,260.75	170,260.75	253,543.04	253,543.04	0.04	83,282.29	83,282.29
717081103	PFIZER NC	167,756.000	32.64	32.64	5,050,180.72	5,050,180.72	5,475,555.84	5,475,555.84	0.84	425,375.12	425,375.12
718172109	PHILIP MORRIS INTERNATIONAL IN	47,163.000	72.96	72.96	3,136,812.49	3,136,812.49	3,441,012.48	3,441,012.48	0.53	304,199.99	304,199.99
718546104	PHILLIPS 66	13,470.000	53.65	53.65	822,024.15	822,024.15	722,665.50	722,665.50	0.11	-99,358.65	-99,358.65
723484101	PINNACLE WEST CAPITAL CORP	3,408.000	75.79	75.79	231,144.24	231,144 24	258,292.32	258,292.32	0.04	27,148.08	27,148.08
723787107	PIONEER NATURAL RESOURCES CO	5,021.000	70.15	70.15	549,306.52	549,306 52	352,223.15	352,223.15	0.05	-197,083.37	-197,083.37
74144T108	T ROWE PRICE GROUP NC	7,083.000	97.65	97.65	569,714.61	569,714 61	691,654.95	691,654.95	0.11	121,940.34	121,940.34
74251V102	PRINCIPAL F NANCIAL GROUP INC	7,828.000	31.34	31.34	298,199.92	298,199 92	245,329.52	245,329.52	0.04	-52,870.40	-52,870.40
742718109	PROCTER & GAMBLE CO/THE	75,595.000	110.00	110.00	5,942,093.40	5,942,093.40	8,315,450.00	8,315,450.00	1.28	2,373,356.60	2,373,356.60
743315103	PROGRESSIVE CORP/THE	17,722.000	73.84	73.84	785,576.31	785,576 31	1,308,592.48	1,308,592.48	0.20	523,016.17	523,016.17
74340W103	PROLOGIS NC	22,378.000	80.37	80.37	1,381,474.90	1,381,474 90	1,798,519.86	1,798,519.86	0.28	417,044.96	417,044.96
744320102	PRUDENTIAL FINANCIAL INC	12,186.000	52.14	52.14	835,901.52	835,901 52	635,378.04	635,378.04	0.10	-200,523.48	-200,523.48
744573106	PUBLIC SERVICE ENTERPRISE GROU	15,330.000	44.91	44.91	584,766.98	584,766 98	688,470.30	688,470.30	0.11	103,703.32	103,703.32
74460D109	PUBLIC STORAGE	4,554.000	198.61	198.61	856,853.24	856,853 24	904,469.94	904,469.94	0.14	47,616.70	47,616.70
745867101	PULTEGROUP NC	7,722.000	22.32	22.32	154,591.47	154,591.47	172,355.04	172,355.04	0.03	17,763.57	17,763.57
74736K101	QORVO NC	3,522.000	80.63	80.63	266,622.19	266,622.19	283,978.86	283,978.86	0.04	17,356.67	17,356.67
747525103	QUALCOMM NC	34,613.000	67.65	67.65	1,924,011.80	1,924,011 80	2,341,569.45	2,341,569.45	0.36	417,557.65	417,557.65
74762E102	QUANTA SERVICES INC	4,313.000	31.73	31.73	117,787.93	117,787 93	136,851.49	136,851.49	0.02	19,063.56	19,063.56
74834L100	QUEST DIAGNOSTICS NC	4,083.000	80.30	80.30	292,042.01	292,042 01	327,864.90	327,864.90	0.05	35,822.89	35,822.89
751212101	RALPH LAUREN CORP	1,508.000	66.83	66.83	175,135.78	175,135.78	100,779.64	100,779.64	0.02	-74,356.14	-74,356.14
754730109	RAYMOND JAMES FINANCIAL INC	3,743.000	63.20	63.20	291,611.15	291,611.15	236,557.60	236,557.60	0.04	-55,053.55	-55,053.55
755111507	RAYTHEON CO	8,442.000	131.15	131.15	900,380.00	900,380 00	1,107,168.30	1,107,168.30	0.17	206,788.30	206,788.30
756109104	REALTY NCOME CORP	9,880.000	49.86	49.86	589,932.17	589,932.17	492,616.80	492,616.80	0.08	-97,315.37	-97,315.37
758849103	REGENCY CENTERS CORP	5,079.000	38.43	38.43	322,800.15	322,800.15	195,185.97	195,185.97	0.03	-127,614.18	-127,614.18
75886F107	REGENERON PHARMACEUTICALS NC	2,421.000	488.29	488.29	859,563.84	859,563 84	1,182,150.09	1,182,150.09	0.18	322,586.25	322,586.25
7591EP100	REGIONS F NANCIAL CORP	29,241.000	8.97	8.97	372,688.35	372,688 35	262,291.77	262,291.77	0.04	-110,396.58	-110,396.58
760759100	REPUBLIC SERVICES INC	6,385.000	75.06	75.06	366,235.17	366,235.17	479,258.10	479,258.10	0.07	113,022.93	113,022.93
761152107	RESMED INC	4,359.000	147.29	147.29	522,389.38	522,389 38	642,037.11	642,037.11	0.10	119,647.73	119,647.73
770323103	ROBERT HALF INTERNATIONAL NC	3,564.000	37.75	37.75	147,071.37	147,071 37	134,541.00	134,541.00	0.02	-12,530.37	-12,530.37
773903109	ROCKWELL AUTOMATION INC	3,503.000	150.91	150.91	344,344.60	344,344 60	528,637.73	528,637.73	0.08	184,293.13	184,293.13

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775711104	ROLLINS INC	4,268.000	36.14	36.14	163,942.59	163,942 59	154,245.52	154,245.52	0.02	-9,697.07	-9,697.07
776696106	ROPER TECHNOLOG ES NC	3,154.000	311.81	311.81	623,157.11	623,157.11	983,448.74	983,448.74	0.15	360,291.63	360,291.63
778296103	ROSS STORES NC	10,965.000	86.97	86.97	594,891.88	594,891 88	953,626.05	953,626.05	0.15	358,734.17	358,734.17
78409V104	S&P GLOBAL INC	7,408.000	245.05	245.05	953,653.39	953,653 39	1,815,330.40	1,815,330.40	0.28	861,677.01	861,677.01
78410G104	SBA COMMUNICATIONS CORP	3,413.000	269.97	269.97	646,010.59	646,010 59	921,407.61	921,407.61	0.14	275,397.02	275,397.02
78440X101	SL GREEN REALTY CORP	2,471.000	43.10	43.10	262,236.52	262,236 52	106,500.10	106,500.10	0.02	-155,736.42	-155,736.42
78486Q101	SVB FINANCIAL GROUP	1,563.000	151.08	151.08	426,999.29	426,999 29	236,138.04	236,138.04	0.04	-190,861.25	-190,861.25
79466L302	SALESFORCE.COM INC	26,888.000	143.98	143.98	2,829,127.56	2,829,127 56	3,871,334.24	3,871,334.24	0.59	1,042,206.68	1,042,206.68
806407102	HENRY SCHEIN NC	4,448.000	50.52	50.52	257,818.92	257,818 92	224,712.96	224,712.96	0.03	-33,105.96	-33,105.96
806857108	SCHLUMBERGER LTD	41,965.000	13.49	13.49	1,945,408.81	1,945,408 81	566,107.85	566,107.85	0.09	-1,379,300.96	-1,379,300.96
808513105	CHARLES SCHWAB CORP/THE	34,656.000	33.62	33.62	979,330.53	979,330 53	1,165,134.72	1,165,134.72	0.18	185,804.19	185,804.19
81211K100	SEALED AIR CORP	4,684.000	24.71	24.71	140,309.14	140,309.14	115,741.64	115,741.64	0.02	-24,567.50	-24,567.50
816851109	SEMPRA ENERGY	8,545.000	112.99	112.99	830,770.69	830,770 69	965,499.55	965,499.55	0.15	134,728.86	134,728.86
81762P102	SERVICENOW INC	5,717.000	286.58	286.58	1,637,418.50	1,637,418 50	1,638,377.86	1,638,377.86	0.25	959.36	959.36
824348106	SHERWIN-W LLIAMS CO/THE	2,490.000	459.52	459.52	732,296.73	732,296.73	1,144,204.80	1,144,204.80	0.18	411,908.07	411,908.07
828806109	SIMON PROPERTY GROUP INC	9,302.000	54.86	54.86	1,172,750.84	1,172,750 84	510,307.72	510,307.72	0.08	-662,443.12	-662,443.12
83088M102	SKYWORKS SOLUTIONS INC	5,165.000	89.38	89.38	448,645.09	448,645 09	461,647.70	461,647.70	0.07	13,002.61	13,002.61
831865209	AO SMITH CORP	4,155.000	37.81	37.81	218,511.31	218,511 31	157,100.55	157,100.55	0.02	-61,410.76	-61,410.76
832696405	JM SMUCKER CO/THE	3,457.000	111.00	111.00	334,171.90	334,171 90	383,727.00	383,727.00	0.06	49,555.10	49,555.10
833034101	SNAP-ON NC	1,663.000	108.82	108.82	174,196.51	174,196 51	180,967.66	180,967.66	0.03	6,771.15	6,771.15
842587107	SOUTHERN CO/THE	31,790.000	54.14	54.14	1,472,234.66	1,472,234 66	1,721,110.60	1,721,110.60	0.26	248,875.94	248,875.94
844741108	SOUTHWEST A RLINES CO	14,358.000	35.61	35.61	413,212.22	413,212 22	511,288.38	511,288.38	0.08	98,076.16	98,076.16
854502101	STANLEY BLACK & DECKER INC	4,608.000	100.00	100.00	419,123.89	419,123 89	460,800.00	460,800.00	0.07	41,676.11	41,676.11
855244109	STARBUCKS CORP	35,800.000	65.74	65.74	1,658,268.00	1,658,268 00	2,353,492.00	2,353,492.00	0.36	695,224.00	695,224.00
857477103	STATE STREET CORP	11,022.000	53.27	53.27	614,342.65	614,342 65	587,141.94	587,141.94	0.09	-27,200.71	-27,200.71
863667101	STRYKER CORP	9,760.000	166.49	166.49	1,222,465.45	1,222,465.45	1,624,942.40	1,624,942.40	0.25	402,476.95	402,476.95
871607107	SYNOPSYS INC	4,557.000	128.79	128.79	424,202.47	424,202.47	586,896.03	586,896.03	0.09	162,693.56	162,693.56
87165B103	SYNCHRONY FINANCIAL	17,109.000	16.09	16.09	516,785.42	516,785.42	275,283.81	275,283.81	0.04	-241,501.61	-241,501.61
871829107	SYSCO CORP	15,466.000	45.63	45.63	740,081.88	740,081 88	705,713.58	705,713.58	0.11	-34,368.30	-34,368.30
872540109	TJX COS NC/THE	36,760.000	47.81	47.81	1,243,434.53	1,243,434 53	1,757,495.60	1,757,495.60	0.27	514,061.07	514,061.07
872590104	T-MOBILE US NC	9,596.000	83.90	83.90	788,263.19	788,263.19	805,104.40	805,104.40	0.12	16,841.21	16,841.21
874054109	TAKE-TWO INTERACTIVE SOFTWARE	3,431.000	118.61	118.61	373,581.48	373,581.48	406,950.91	406,950.91	0.06	33,369.43	33,369.43
876030107	TAPESTRY INC	8,364.000	12.95	12.95	340,317.52	340,317 52	108,313.80	108,313.80	0.02	-232,003.72	-232,003.72
87612E106	TARGET CORP	15,361.000	92.97	92.97	1,105,466.87	1,105,466 87	1,428,112.17	1,428,112.17	0.22	322,645.30	322,645.30
879369106	TELEFLEX INC	1,403.000	292.86	292.86	436,501.14	436,501.14	410,882.58	410,882.58	0.06	-25,618.56	-25,618.56
882508104	TEXAS INSTRUMENTS NC	28,336.000	99.93	99.93	1,823,594.08	1,823,594 08	2,831,616.48	2,831,616.48	0.44	1,008,022.40	1,008,022.40
883203101	TEXTRON INC	6,919.000	26.67	26.67	223,689.93	223,689 93	184,529.73	184,529.73	0.03	-39,160.20	-39,160.20
883556102	THERMO FISHER SCIENT FIC NC	12,155.000	283.60	283.60	2,021,338.95	2,021,338 95	3,447,158.00	3,447,158.00	0.53	1,425,819.05	1,425,819.05
88579Y101	3M CO	17,432.000	136.51	136.51	2,044,052.48	2,044,052.48	2,379,642.32	2,379,642.32	0.37	335,589.84	335,589.84
886547108	T FFANY & CO	3,272.000	129.50	129.50	269,572.80	269,572 80	423,724.00	423,724.00	0.07	154,151.20	154,151.20
892356106	TRACTOR SUPPLY CO	3,589.000	84.55	84.55	294,304.90	294,304 90	303,449.95	303,449.95	0.05	9,145.05	9,145.05
893641100	TRANSDIGM GROUP NC	1,510.000	320.19	320.19	517,335.84	517,335 84	483,486.90	483,486.90	0.07	-33,848.94	-33,848.94
89417E109	TRAVELERS COS NC/THE	7,824.000	99.35	99.35	679,200.25	679,200 25	777,314.40	777,314.40	0.12	98,114.15	98,114.15
89832Q109	TRUIST F NANCIAL CORP	40,652.000	30.84	30.84	1,440,967.22	1,440,967 22	1,253,707.68	1,253,707.68	0.19	-187,259.54	-187,259.54

BNY MELLON

Asset Detail

[redacted]

As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
90184L102	TWITTER INC	23,534.000	24.56	24.56	920,586.45	920,586.45	577,995.04	577,995.04	0.09	-342,591.41	-342,591.41
902494103	TYSON FOODS INC	8,948.000	57.87	57.87	408,886.85	408,886 85	517,820.76	517,820.76	0.08	108,933.91	108,933.91
902653104	UDR INC	8,883.000	36.54	36.54	361,834.53	361,834 53	324,584.82	324,584.82	0.05	-37,249.71	-37,249.71
902973304	US BANCORP	43,084.000	34.45	34.45	1,559,082.44	1,559,082.44	1,484,243.80	1,484,243.80	0.23	-74,838.64	-74,838.64
90384S303	ULTA BEAUTY INC	1,733.000	175.70	175.70	396,908.36	396,908 36	304,488.10	304,488.10	0.05	-92,420.26	-92,420.26
904311107	UNDER ARMOUR INC	5,705.000	9.21	9.21	141,879.31	141,879 31	52,543.05	52,543.05	0.01	-89,336.26	-89,336.26
904311206	UNDER ARMOUR INC	5,898.000	8.06	8.06	138,555.48	138,555.48	47,537.88	47,537.88	0.01	-91,017.60	-91,017.60
907818108	UNION PACIFIC CORP	21,043.000	141.04	141.04	1,805,904.40	1,805,904.40	2,967,904.72	2,967,904.72	0.46	1,162,000.32	1,162,000.32
910047109	UNITED A RLINES HOLDINGS INC	6,597.000	31.55	31.55	401,332.67	401,332 67	208,135.35	208,135.35	0.03	-193,197.32	-193,197.32
911312106	UNITED PARCEL SERVICE INC	21,242.000	93.42	93.42	1,867,989.40	1,867,989.40	1,984,427.64	1,984,427.64	0.30	116,438.24	116,438.24
911363109	UNITED RENTALS INC	2,278.000	102.90	102.90	241,968.43	241,968.43	234,406.20	234,406.20	0.04	-7,562.23	-7,562.23
913017109	UNITED TECHNOLOG ES CORP	24,593.000	94.33	94.33	2,232,735.34	2,232,735 34	2,319,857.69	2,319,857.69	0.36	87,122.35	87,122.35
91324P102	UNITEDHEALTH GROUP NC	28,719.000	249.38	249.38	4,087,911.02	4,087,911 02	7,161,944.22	7,161,944.22	1.10	3,074,033.20	3,074,033.20
913903100	UNIVERSAL HEALTH SERVICES INC	2,435.000	99.08	99.08	286,816.23	286,816 23	241,259.80	241,259.80	0.04	-45,556.43	-45,556.43
91529Y106	UNUM GROUP	6,253.000	15.01	15.01	177,462.87	177,462 87	93,857.53	93,857.53	0.01	-83,605.34	-83,605.34
918204108	VF CORP	9,927.000	54.08	54.08	598,122.83	598,122 83	536,852.16	536,852.16	0.08	-61,270.67	-61,270.67
91913Y100	VALERO ENERGY CORP	12,448.000	45.36	45.36	578,211.00	578,211 00	564,641.28	564,641.28	0.09	-13,569.72	-13,569.72
92220P105	VARIAN MEDICAL SYSTEMS INC	2,755.000	102.66	102.66	228,792.30	228,792 30	282,828.30	282,828.30	0.04	54,036.00	54,036.00
92276F100	VENTAS INC	11,299.000	26.80	26.80	607,840.91	607,840 91	302,813.20	302,813.20	0.05	-305,027.71	-305,027.71
92343E102	VERISIGN INC	3,132.000	180.09	180.09	356,215.22	356,215 22	564,041.88	564,041.88	0.09	207,826.66	207,826.66
92343V104	VERIZON COMMUNICATIONS INC	125,368.000	53.73	53.73	5,965,967.55	5,965,967 55	6,736,022.64	6,736,022.64	1.04	770,055.09	770,055.09
92345Y106	VERISK ANALYTICS INC	4,967.000	139.38	139.38	517,755.80	517,755 80	692,300.46	692,300.46	0.11	174,544.66	174,544.66
92532F100	VERTEX PHARMACEUTICALS INC	7,795.000	237.95	237.95	1,026,978.27	1,026,978 27	1,854,820.25	1,854,820.25	0.29	827,841.98	827,841.98
92556H206	VIACOMCBS INC	16,381.000	14.01	14.01	730,369.42	730,369.42	229,497.81	229,497.81	0.04	-500,871.61	-500,871.61
92826C839	VISA INC	51,891.000	161.12	161.12	4,611,173.80	4,611,173 80	8,360,677.92	8,360,677.92	1.28	3,749,504.12	3,749,504.12
929042109	VORNADO REALTY TRUST	4,802.000	36.21	36.21	300,426.37	300,426 37	173,880.42	173,880.42	0.03	-126,545.95	-126,545.95
929160109	VULCAN MATERIALS CO	4,012.000	108.07	108.07	341,408.36	341,408 36	433,576.84	433,576.84	0.07	92,168.48	92,168.48
92939U106	WEC ENERGY GROUP NC	9,562.000	88.13	88.13	567,680.39	567,680 39	842,699.06	842,699.06	0.13	275,018.67	275,018.67
929740108	WESTINGHOUSE A R BRAKE TECHNOL	5,520.000	48.13	48.13	379,656.85	379,656 85	265,677.60	265,677.60	0.04	-113,979.25	-113,979.25
931142103	WALMART INC	43,002.000	113.62	113.62	3,472,734.58	3,472,734 58	4,885,887.24	4,885,887.24	0.75	1,413,152.66	1,413,152.66
931427108	WALGREENS BOOTS ALLIANCE NC	22,727.000	45.75	45.75	1,206,335.44	1,206,335.44	1,039,760.25	1,039,760.25	0.16	-166,575.19	-166,575.19
94106L109	WASTE MANAGEMENT INC	11,831.000	92.56	92.56	770,565.11	770,565.11	1,095,077.36	1,095,077.36	0.17	324,512.25	324,512.25
941848103	WATERS CORP	1,953.000	182.05	182.05	270,020.98	270,020 98	355,543.65	355,543.65	0.05	85,522.67	85,522.67
949746101	WELLS FARGO & CO	116,666.000	28.70	28.70	4,682,163.04	4,682,163 04	3,348,314.20	3,348,314.20	0.51	-1,333,848.84	-1,333,848.84
95040Q104	WELLTOWER INC	12,300.000	45.78	45.78	816,048.52	816,048 52	563,094.00	563,094.00	0.09	-252,954.52	-252,954.52
958102105	WESTERN DIGITAL CORP	9,015.000	41.62	41.62	421,814.61	421,814 61	375,204.30	375,204.30	0.06	-46,610.31	-46,610.31
959802109	WESTERN UNION CO/THE	12,709.000	18.13	18.13	248,764.15	248,764.15	230,414.17	230,414.17	0.04	-18,349.98	-18,349.98
96145D105	WESTROCK CO	7,818.000	28.26	28.26	299,673.50	299,673 50	220,936.68	220,936.68	0.03	-78,736.82	-78,736.82
962166104	WEYERHAEUSER CO	22,587.000	16.95	16.95	558,746.66	558,746 66	382,849.65	382,849.65	0.06	-175,897.01	-175,897.01
963320106	WH RLPOOL CORP	1,916.000	85.80	85.80	191,401.49	191,401.49	164,392.80	164,392.80	0.03	-27,008.69	-27,008.69
969457100	W LLIAMS COS NC/THE	36,741.000	14.15	14.15	868,779.11	868,779.11	519,885.15	519,885.15	0.08	-348,893.96	-348,893.96
983134107	WYNN RESORTS LTD	2,929.000	60.19	60.19	325,217.57	325,217 57	176,296.51	176,296.51	0.03	-148,921.06	-148,921.06
98389B100	XCEL ENERGY INC	15,896.000	60.30	60.30	677,832.91	677,832 91	958,528.80	958,528.80	0.15	280,695.89	280,695.89
983919101	XILINX INC	7,623.000	77.94	77.94	443,094.63	443,094 63	594,136.62	594,136.62	0.09	151,041.99	151,041.99

BNY MELLON

Asset Detail

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[redacted]

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Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
98419M100	XYLEM NC/NY	5,459.000	65.13	65.13	260,515.69	260,515 69	355,544.67	355,544.67	0.05	95,028.98	95,028.98
98421M106	XEROX HOLDINGS CORP	5,636.000	18.94	18.94	146,522.26	146,522 26	106,745.84	106,745.84	0.02	-39,776.42	-39,776.42
988498101	YUM! BRANDS INC	9,169.000	68.53	68.53	573,901.32	573,901 32	628,351.57	628,351.57	0.10	54,450.25	54,450.25
989207105	ZEBRA TECHNOLOGIES CORP	1,635.000	183.60	183.60	400,630.72	400,630.72	300,186.00	300,186.00	0.05	-100,444.72	-100,444.72
98956P102	Z MMER BIOMET HOLDINGS INC	6,235.000	101.08	101.08	580,981.19	580,981.19	630,233.80	630,233.80	0.10	49,252.61	49,252.61
989701107	ZIONS BANCORP NA	5,167.000	26.76	26.76	205,066.72	205,066.72	138,268.92	138,268.92	0.02	-66,797.80	-66,797.80
98978V103	ZOETIS INC	14,438.000	117.69	117.69	968,822.93	968,822 93	1,699,208.22	1,699,208.22	0.26	730,385.29	730,385.29
G0176J109	ALLEGION PLC	2,817.000	92.02	92.02	179,245.28	179,245 28	259,220.34	259,220.34	0.04	79,975.06	79,975.06
G0177J108	ALLERGAN PLC	9,951.000	177.10	177.10	2,015,771.83	2,015,771 83	1,762,322.10	1,762,322.10	0.27	-253,449.73	-253,449.73
G0250X107	AMCOR PLC	49,111.000	8.12	8.12	513,528.15	513,528.15	398,781.32	398,781.32	0.06	-114,746.83	-114,746.83
G0408V102	AON PLC/UK	7,097.000	165.04	165.04	775,847.77	775,847.77	1,171,288.88	1,171,288.88	0.18	395,441.11	395,441.11
G1151C101	ACCENTURE PLC	19,251.000	163.26	163.26	2,206,736.14	2,206,736.14	3,142,918.26	3,142,918.26	0.48	936,182.12	936,182.12
G1890L107	CAPRI HOLDINGS LTD	4,597.000	10.79	10.79	242,342.12	242,342.12	49,601.63	49,601.63	0.01	-192,740.49	-192,740.49
G29183103	EATON CORP PLC	12,531.000	77.69	77.69	807,921.23	807,921 23	973,533.39	973,533.39	0.15	165,612.16	165,612.16
G3223R108	EVEREST RE GROUP LTD	1,236.000	192.42	192.42	306,969.69	306,969 69	237,831.12	237,831.12	0.04	-69,138.57	-69,138.57
G47567105	IHS MARKIT LTD	12,155.000	60.00	60.00	665,306.73	665,306.73	729,300.00	729,300.00	0.11	63,993.27	63,993.27
G491BT108	INVESCO LTD	11,282.000	9.08	9.08	235,063.60	235,063 60	102,440.56	102,440.56	0.02	-132,623.04	-132,623.04
G51502105	JOHNSON CONTROLS INTERNATIONAL	23,384.000	26.96	26.96	882,886.73	882,886.73	630,432.64	630,432.64	0.10	-252,454.09	-252,454.09
G5494J103	LINDE PLC	16,283.000	173.00	173.00	2,380,386.13	2,380,386.13	2,816,959.00	2,816,959.00	0.43	436,572.87	436,572.87
G5960L103	MEDTRONIC PLC	40,631.000	90.18	90.18	3,418,971.23	3,418,971 23	3,664,103.58	3,664,103.58	0.56	245,132.35	245,132.35
G6095L109	APTIV PLC	7,739.000	49.24	49.24	410,983.71	410,983.71	381,068.36	381,068.36	0.06	-29,915.35	-29,915.35
G6518L108	NIELSEN HOLD NGS PLC	10,786.000	12.54	12.54	350,351.20	350,351 20	135,256.44	135,256.44	0.02	-215,094.76	-215,094.76
G66721104	NORWEGIAN CRUISE LINE HOLD NGS	6,449.000	10.96	10.96	300,924.09	300,924 09	70,681.04	70,681.04	0.01	-230,243.05	-230,243.05
G7945M107	SEAGATE TECHNOLOGY PLC	7,008.000	48.80	48.80	251,177.58	251,177 58	341,990.40	341,990.40	0.05	90,812.82	90,812.82
G7S00T104	PENTA R PLC	5,095.000	29.76	29.76	162,459.07	162,459 07	151,627.20	151,627.20	0.02	-10,831.87	-10,831.87
G8473T100	STERIS PLC	2,570.000	139.97	139.97	383,613.08	383,613 08	359,722.90	359,722.90	0.06	-23,890.18	-23,890.18
G87110105	TECHNIPFMC PLC	12,739.000	6.74	6.74	351,243.56	351,243 56	85,860.86	85,860.86	0.01	-265,382.70	-265,382.70
G8994E103	TRANE TECHNOLOG ES PLC	7,263.000	82.59	82.59	407,767.34	407,767 34	599,851.17	599,851.17	0.09	192,083.83	192,083.83
G96629103	W LLIS TOWERS WATSON PLC	3,897.000	169.85	169.85	543,445.32	543,445 32	661,905.45	661,905.45	0.10	118,460.13	118,460.13
G97822103	PERRIGO CO PLC	4,126.000	48.09	48.09	448,129.28	448,129 28	198,419.34	198,419.34	0.03	-249,709.94	-249,709.94
H1467J104	CHUBB LTD	13,738.000	111.69	111.69	1,527,360.73	1,527,360.73	1,534,397.22	1,534,397.22	0.24	7,036.49	7,036.49
H2906T109	GARM N LTD	4,380.000	74.96	74.96	274,869.29	274,869 29	328,324.80	328,324.80	0.05	53,455.51	53,455.51
H84989104	TE CONNECTIVITY LTD	10,139.000	62.98	62.98	574,969.49	574,969.49	638,554.22	638,554.22	0.10	63,584.73	63,584.73
N53745100	LYONDELLBASELL INDUSTR ES NV	7,782.000	49.63	49.63	505,434.86	505,434 86	386,220.66	386,220.66	0.06	-119,214.20	-119,214.20
N59465109	MYLAN NV	15,646.000	14.91	14.91	629,254.96	629,254 96	233,281.86	233,281.86	0.04	-395,973.10	-395,973.10
V7780T103	ROYAL CARIBBEAN CRUISES LTD	5,211.000	32.17	32.17	420,689.27	420,689 27	167,637.87	167,637.87	0.03	-253,051.40	-253,051.40

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As Of Date : 3/31/2020

Acct Base Currency Code : USD

Accounting Status : FINAL

.	Mellon Security ID	Security Description	Shares/Par	Local Price	Base Price	Local Cost	Base Cost	Local Market Value	Base Market Value	Percent of Total	Local Unrealized Gain/Loss	Net Unrealized Gain/Loss Base
Grand Total							**45,206,769.53**		**44,962,522.60**	**100.00**		**-244,246.93**
CASH & CASH EQUIVALENTS							**15,515,150.63**		**15,515,150.63**	**34.51**		**0.00**
U.S. DOLLAR						**15,515,150.63**	**15,515,150.63**	**15,515,150.63**	**15,515,150.63**	**34.51**	**0.00**	**0.00**
	996085619	EB TEMP IVN FD VAR RT 12/31/49 FEE CL 12	15,464,007.400	1.00	1.00	15,464,007.40	15,464,007.40	15,464,007.40	15,464,007.40	34.39	0.00	0.00
		INTEREST RECEIVABLE	0.000	1.00	1.00	49,539.79	49,539.79	49,539.79	49,539.79	0.11	0.00	0.00
		RECEIVABLE ON SECURIT ES LENDING INCOME	0.000	1.00	1.00	1,868.34	1,868 34	1,868.34	1,868.34	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG AGENT FEES	0.000	1.00	1.00	-282.92	-282 92	-282.92	-282.92	0.00	0.00	0.00
		PAYABLE FOR SEC LEND NG BROKER REBATES	0.000	1.00	1.00	18.02	18 02	18.02	18.02	0.00	0.00	0.00
FIXED INCOME SECURITIES							**29,691,618.90**		**29,447,371.97**	**65.49**		**-244,246.93**
U.S. DOLLAR						**29,691,618.90**	**29,691,618.90**	**29,447,371.97**	**29,447,371.97**	**65.49**	**-244,246.93**	**-244,246.93**
	912828B25	US TREAS-CPI INFLAT 0 625% 01/15/2024 DD 01/15..	8,456,845.500	101.63	101.63	8,565,576.65	8,565,576 65	8,594,809.46	8,594,809.46	19.12	29,232.81	29,232.81
	912828NM8	US TREAS-CPI INFLAT 1 250% 07/15/2020 DD 07/15..	6,386,796.000	99.09	99.09	6,296,010.31	6,296,010 31	6,328,735.55	6,328,735.55	14.08	32,725.24	32,725.24
	912828PP9	US TREAS-CPI INFLAT 1.125% 01/15/2021 DD 01/15..	6,721,098.000	99.04	99.04	6,598,639.00	6,598,639 00	6,656,889.33	6,656,889.33	14.81	58,250.33	58,250.33
	912828SA9	US TREAS-CPI INFLAT 0.125% 01/15/2022 DD 01/15..	7,977,410.000	98.62	98.62	8,231,392.94	8,231,392 94	7,866,937.63	7,866,937.63	17.50	-364,455.31	-364,455.31

Kentucky Retirement Systems

Security Litigation Report

Quarter Ending: March 31, 2020

Claims Filed during the Quarter (pg 3):
12
Proceeds Received during the Quarter (pg 4):
$473,342.58

Kentucky Retirement Systems
Quarterly Securities Litigation Report
Quarter Ended 03/31/20

Total Claims Filed	
No Claim on File	9
Fiscal Year 1997	1
Fiscal Year 1998	2
Fiscal Year 1999	5
Fiscal Year 2000	9
Fiscal Year 2001	8
Fiscal Year 2002	33
Fiscal Year 2003	45
Fiscal Year 2004	38
Fiscal Year 2005	89
Fiscal Year 2006	150
Fiscal Year 2007	70
Fiscal Year 2008	73
Fiscal Year 2009	85
Fiscal Year 2010	65
Fiscal Year 2011	69
Fiscal Year 2012	54
Fiscal Year 2013	48
Fiscal Year 2014	65
Fiscal Year 2015	80
Fiscal Year 2016	224
Fiscal Year 2017	140
Fiscal Year 2018	74
Fiscal Year 2019	55
Fiscal Year 2020	31
Total Filed	**1,522**

Proceeds Received	
Fiscal Year 1998	$67,682
Fiscal Year 1999	$233,370
Fiscal Year 2000	$303,918
Fiscal Year 2001	$415,502
Fiscal Year 2002	$387,318
Fiscal Year 2003	$519,059
Fiscal Year 2004	$1,080,920
Fiscal Year 2005	$1,645,440
Fiscal Year 2006	$797,535
Fiscal Year 2007	$5,398,363
Fiscal Year 2008	$5,402,336
Fiscal Year 2009	$3,504,682
Fiscal Year 2010	$2,776,544
Fiscal Year 2011	$1,292,484
Fiscal Year 2012	$468,657
Fiscal Year 2013	$1,070,427
Fiscal Year 2014	$308,704
Fiscal Year 2015	$23,639,565
Fiscal Year 2016	$2,417,957
Fiscal Year 2017	$1,886,532
Fiscal Year 2018	$2,247,966
Fiscal Year 2019	$1,702,272
Fiscal Year 2020	$1,621,977
Total Proceeds	**$59,189,212**

Class Action Name	TNT Status Code	Status as of Date	Class Period Start Date	Class Period End Date	Class Account Id	Claimed Account Name
AMERICAN REALTY CAP PROPERTIES INC. 2014	FILED	1/2/2020	2/27/2013	1/30/2015	2602408	ZZ*KRS PEN NTGI STRUCTURED SM-
AMERICAN REALTY CAP PROPERTIES INC. 2014	FILED	1/2/2020	2/27/2013	1/30/2015	2688058	ZZKRS INS NTGI STRUCTURED SM
Iconix Brand Group, Inc. (Iconix Defendants)	FILED	1/3/2020	2/22/2012	11/5/2015	KR3F1002002	NTGI STRUCTURED
Iconix Brand Group, Inc. (Iconix Defendants)	FILED	1/3/2020	2/22/2012	11/5/2015	KR2F1002002	NTGI STRUCTURED
AKORN, INC. (2018)	FILED	1/21/2020	11/3/2016	1/8/2019	956765	KRS INS NTGI STRUCTURED
AKORN, INC. (2018)	FILED	1/21/2020	11/3/2016	1/8/2019	956588	KRS NTGI STRUCTURED
Endo International plc (2017) (E.D. Pa.)	FILED	1/23/2020	11/30/2012	6/8/2017	KR3F1003002	SYSTEMATIC
ROCKWELL MEDICAL, INC. (2018)	FILED	1/30/2020	11/8/2017	6/26/2018	956588	KRS NTGI STRUCTURED
ROCKWELL MEDICAL, INC. (2018)	FILED	1/30/2020	11/8/2017	6/26/2018	956765	KRS INS NTGI STRUCTURED
Meridian Bioscience, Inc.	FILED	1/31/2020	3/24/2016	10/23/2017	956588	KRS NTGI STRUCTURED
DELL INC. (2014)	FILED	2/4/2020	2/21/2012	8/20/2012	2606488	ZZKRS PEN INVESCO US QUANT C-S
DELL INC. (2014)	FILED	2/4/2020	2/21/2012	8/20/2012	2672606	ZZKRS PEN WESTWOOD MANAGEMEN-S
DELL INC. (2014)	FILED	2/4/2020	2/21/2012	8/20/2012	2672607	ZZKRS INS WESTWOOD MANAGEMEN-S
Endo International plc (2017) (E.D. Pa.)	FILED	2/5/2020	11/30/2012	6/8/2017	KR2F1003002	SYSTEMATIC
DIAMOND RESORTS INTERNATIONAL, INC. (2016)	FILED	2/6/2020	6/29/2016	9/2/2016	KR3F1002002	NTGI STRUCTURED
DIAMOND RESORTS INTERNATIONAL, INC. (2016)	FILED	2/6/2020	6/29/2016	9/2/2016	KR2F1002002	NTGI STRUCTURED
Dell, Inc. (2014)	FILED	2/11/2020	2/22/2012	5/22/2012	KR3F1902002	S&P 500 INDEX
Dell, Inc. (2014)	FILED	2/11/2020	2/22/2012	5/22/2012	KR3F1008002	WESTWOOD MGMT
Dell, Inc. (2014)	FILED	2/11/2020	2/22/2012	5/22/2012	KR2F1902002	S&P 500 INDEX
Dell, Inc. (2014)	FILED	2/11/2020	2/22/2012	5/22/2012	KR2F1008002	WESTWOOD MGMT
ALTISOURCE RESIDENTIAL CORPORATION	FILED	2/14/2020	12/21/2012	12/22/2014	2602408	ZZ*KRS PEN NTGI STRUCTURED SM-
ALTISOURCE RESIDENTIAL CORPORATION	FILED	2/14/2020	12/21/2012	12/22/2014	2688058	ZZKRS INS NTGI STRUCTURED SM
TrueCar, Inc. (2018)	FILED	3/3/2020	2/16/2017	11/6/2017	956765	KRS INS NTGI STRUCTURED
TrueCar, Inc. (2018)	FILED	3/3/2020	2/16/2017	11/6/2017	956588	KRS NTGI STRUCTURED
TRINITY INDUSTRIES INC.	FILED	3/12/2020	2/15/2012	7/24/2015	2644678	ZZKRS INS SYSTEMATIC FIN MGM-S
TRINITY INDUSTRIES INC.	FILED	3/12/2020	2/15/2012	7/24/2015	2644679	ZZKRS PEN SYSTEMATIC FIN MGM-S
Banc of Callifornia, Inc.	FILED	3/13/2020	4/15/2016	4/21/2017	KR3F1002002	NTGI STRUCTURED
Trinity Industries, Inc.	FILED	3/18/2020	2/16/2012	4/24/2015	KR3F1003002	SYSTEMATIC
Trinity Industries, Inc.	FILED	3/18/2020	2/16/2012	4/24/2015	KR2F1003002	SYSTEMATIC
Endo International plc (2017) (E.D. Pa.)	FILED	3/30/2020	11/30/2012	6/8/2017	KR2F1902002	S&P 500 INDEX
Endo International plc (2017) (E.D. Pa.)	FILED	3/30/2020	11/30/2012	6/8/2017	956774	KRS INS S P 500 INDEX
Endo International plc (2017) (E.D. Pa.)	FILED	3/30/2020	11/30/2012	6/8/2017	KR3F1011002	KRS INTERNAL EQUITY

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Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price / Local/Base	Cost / Local/Base	Amount / Local/Base	Net Gain/Loss / Local/Base
CLASS ACTIONS							
CASH & CASH EQUIVALENTS							
U.S. DOLLAR							
CD	0.000	2 10-CV-02847-IPJREGIONS FINAN	1/3/2020	0.000000	49.86	49.86	49.86
	NA9123459	CIAL CORPORATION (2010) Distri		0.000000	49.86	49.86	49.86
		20200103S000110 / 000000000020	1/3/2020			Gain/Loss Local Amounts: 49.86 Long	
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 49.86 Long	
CD	0.000	302-CV-1152-MHALLIBURTON COMPA	1/7/2020	0.000000	153.00	153.00	153.00
	NA9123459	NY (EPJ FUND) Distribution 2ND		0.000000	153.00	153.00	153.00
		20200107S000170 / 000000000000	1/7/2020			Gain/Loss Local Amounts: 153.00 Long	
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 153.00 Long	
CD	0.000	AMERICAN INTERNATIONAL GROUP 2	1/14/2020	0.000000	36.30	36.30	36.30
	NA9123459	004 10.27.99 12.15.10 CLASS		0.000000	36.30	36.30	36.30
		20200114S000100 / 34437954	1/14/2020			Gain/Loss Local Amounts: 36.30 Long	
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 36.30 Long	
CD	0.000	AMERICAN INTERNATIONAL GROUP 2	1/14/2020	0.000000	358.65	358.65	358.65
	NA9123459	004 10.27.99 12.15.10 CLASS		0.000000	358.65	358.65	358.65
		20200114S000110 / 34437954	1/14/2020			Gain/Loss Local Amounts: 358.65 Long	
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 358.65 Long	
CD	0.000	AMERICAN INTERNATIONAL GROUP 2	1/14/2020	0.000000	21.60	21.60	21.60
	NA9123459	004 10.27.99 12.15.10 CLASS		0.000000	21.60	21.60	21.60
		20200114S000120 / 34437954	1/14/2020			Gain/Loss Local Amounts: 21.60 Long	
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 21.60 Long	
CD	0.000	METROLOGIC INSTRUMENTS INC ELL	1/14/2020	0.000000	5,988.59	5,988.59	5,988.59
	NA9123459	IOT 9.12.06 12.29.06 CLASS		0.000000	5,988.59	5,988.59	5,988.59
		20200114S000200 / 34437954	1/14/2020			Gain/Loss Local Amounts: 5,988.59 Long	
		KR2F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts: 5,988.59 Long	

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Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price / Local/Base	Cost / Local/Base	Amount / Local/Base	Net Gain/Loss / Local/Base
CD	0.000	QUALITY SYSTEMS INC 2013 05.25	1/14/2020	0.000000	6,020.65	6,020.65	6,020.65
	NA9123459	.11 10.23.12 CLASS ACTION		0.000000	6,020.65	6,020.65	6,020.65
		20200114S000210 / 34437954	1/14/2020			Gain/Loss Local Amounts:	6,020.65 Long
		KR2F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	6,020.65 Long
CD	0.000	05-2367 (SRC) (CLW)MERCK & CO	1/23/2020	0.000000	47,218.26	47,218.26	47,218.26
	NA9123459	INC. SECURITIES, DERIVATIVE &		0.000000	47,218.26	47,218.26	47,218.26
		20200123S000090 / 000000000000	1/23/2020			Gain/Loss Local Amounts:	47,218.26 Long
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts:	47,218.26 Long
CD	0.000	216-cv-01229-PPJOY GLOBAL INC.	1/31/2020	0.000000	2,102.42	2,102.42	2,102.42
	NA9123459	Distribution 1ST DISTRIBUTION		0.000000	2,102.42	2,102.42	2,102.42
		20200131S000600 / 000000000010	1/31/2020			Gain/Loss Local Amounts:	2,102.42 Long
		KR2F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	2,102.42 Long
CD	0.000	10697-VCSSABA SOFTWARE, INC. (	2/20/2020	0.000000	6,473.21	6,473.21	6,473.21
	NA9123459	2015) Distribution 1ST DISTRIB		0.000000	6,473.21	6,473.21	6,473.21
		20200220S000290 / 000000000005	2/20/2020			Gain/Loss Local Amounts:	6,473.21 Long
		KR2F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	6,473.21 Long
CD	0.000	MERCK AND CO CLASS ACTION PROC	2/25/2020	0.000000	6,766.87	6,766.87	6,766.87
	NA9123459	EEDS 05.20.99-01.28.05		0.000000	6,766.87	6,766.87	6,766.87
		20200225S000080 / 34661733	2/25/2020			Gain/Loss Local Amounts:	6,766.87 Long
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts:	6,766.87 Long
CD	0.000	MERRILL LYNCH AND CO BNDS OR P	2/25/2020	0.000000	240.56	240.56	240.56
	NA9123459	FD SHRS CLASS ACTION PROCEEDS		0.000000	240.56	240.56	240.56
		20200225S000090 / 34661733	2/25/2020			Gain/Loss Local Amounts:	240.56 Long
		KR2F90010002: CASH ACCOUNT KR2				Gain/Loss Base Amounts:	240.56 Long
CD	0.000	MERRILL LYNCH AND CO BNDS OR P	2/25/2020	0.000000	8.31	8.31	8.31
	NA9123459	FD SHRS CLASS ACTION PROCEEDS		0.000000	8.31	8.31	8.31
		20200225S003370 / 34661733	2/25/2020			Gain/Loss Local Amounts:	8.31 Long
		KR2F30080002: NISA				Gain/Loss Base Amounts:	8.31 Long

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Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price / Local/Base	Cost / Local/Base	Amount / Local/Base	Net Gain/Loss / Local/Base
CD	0.000	1-14-cv-00443-JLGT ADVANCED TE	2/27/2020	0.000000	38,974.44	38,974.44	38,974.44
	NA9123459	CHNOLOGIES INC. (UNDERWRITER D		0.000000	38,974.44	38,974.44	38,974.44
		20200227S000010 / 000000000000	2/27/2020			Gain/Loss Local Amounts:	38,974.44 Long
		KR2F10030002: SYSTEMATIC				Gain/Loss Base Amounts:	38,974.44 Long
CD	0.000	14-CV-09662 (JSR)PETROBRAS - P	2/27/2020	0.000000	246,349.41	246,349.41	246,349.41
	NA9123459	ETROLEO BRASILEIRO S.A (2014)		0.000000	246,349.41	246,349.41	246,349.41
		20200227S000010 / 000000000001	2/27/2020			Gain/Loss Local Amounts:	246,349.41 Long
		KR2F90010002: CASH ACCOUNT KR2				Gain/Loss Base Amounts:	246,349.41 Long
CD	0.000	212-cv-00604-MHW-KAJBIG LOTS I	3/23/2020	0.000000	676.78	676.78	676.78
	NA9123459	NC. Distribution 1ST DISTRIBUT		0.000000	676.78	676.78	676.78
		20200323S000090 / 000000000010	3/23/2020			Gain/Loss Local Amounts:	676.78 Long
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts:	676.78 Long
CD	0.000	212-cv-00604-MHW-KAJBIG LOTS I	3/23/2020	0.000000	39,632.52	39,632.52	39,632.52
	NA9123459	NC. Distribution 1ST DISTRIBUT		0.000000	39,632.52	39,632.52	39,632.52
		20200323S000290 / 000000000010	3/23/2020			Gain/Loss Local Amounts:	39,632.52 Long
		KR2F90010002: CASH ACCOUNT KR2				Gain/Loss Base Amounts:	39,632.52 Long
CD	0.000	12-3070 (JNEHB)ST. JUDE MEDICA	3/26/2020	0.000000	164.96	164.96	164.96
	NA9123459	L, INC. (2012) Distribution 2N		0.000000	164.96	164.96	164.96
		20200326S000140 / 000000000032	3/26/2020			Gain/Loss Local Amounts:	164.96 Long
		KR2F19020002: S&P 500 INDEX				Gain/Loss Base Amounts:	164.96 Long
CD	0.000	2-17-CV-02025-JCJWALTER INVEST	3/31/2020	0.000000	176.67	176.67	176.67
	NA9123459	MENT MANAGEMENT CORP. (2017) D		0.000000	176.67	176.67	176.67
		20200331S000760 / 000000000003	3/31/2020			Gain/Loss Local Amounts:	176.67 Long
		KR2F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	176.67 Long
		TOTAL U.S. DOLLAR CASH & CASH EQUIVALENTS:			**401,413.06**	**401,413.06**	**401,413.06**
					401,413.06	**401,413.06**	**401,413.06**
		TOTAL CASH & CASH EQUIVALENTS CLASS ACTIONS:			**401,413.06**	**401,413.06**	**401,413.06**
		TOTAL CLASS ACTIONS:			**401,413.06**	**401,413.06**	**401,413.06**

BNY MELLON

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Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
		TOTAL TRANSACTIONS BASE:			401,413.06	401,413.06	401,413.06

BNY MELLON

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Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price / Local/Base	Cost / Local/Base	Amount / Local/Base	Net Gain/Loss / Local/Base
CLASS ACTIONS							
CASH & CASH EQUIVALENTS							
U.S. DOLLAR							
CD	0.000	2 10-CV-02847-IPJREGIONS FINAN	1/3/2020	0.000000	17.54	17.54	17.54
	NA9123459	CIAL CORPORATION (2010) Distri		0.000000	17.54	17.54	17.54
		20200103S000110 / 000000000020	1/3/2020			Gain/Loss Local Amounts: 17.54 Long	
		KR3F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 17.54 Long	
CD	0.000	302-CV-1152-MHALLIBURTON COMPA	1/7/2020	0.000000	20.72	20.72	20.72
	NA9123459	NY (EPJ FUND) Distribution 2ND		0.000000	20.72	20.72	20.72
		20200107S000160 / 000000000000	1/7/2020			Gain/Loss Local Amounts: 20.72 Long	
		KR3F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 20.72 Long	
CD	0.000	AMERICAN INTERNATIONAL GROUP 2	1/14/2020	0.000000	157.46	157.46	157.46
	NA9123459	004 10.27.99 12.15.10 CLASS		0.000000	157.46	157.46	157.46
		20200114S000100 / 34437954	1/14/2020			Gain/Loss Local Amounts: 157.46 Long	
		KR3F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 157.46 Long	
CD	0.000	05-2367 (SRC) (CLW)MERCK & CO	1/23/2020	0.000000	16,642.21	16,642.21	16,642.21
	NA9123459	INC. SECURITIES, DERIVATIVE &		0.000000	16,642.21	16,642.21	16,642.21
		20200123S000090 / 000000000000	1/23/2020			Gain/Loss Local Amounts: 16,642.21 Long	
		KR3F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 16,642.21 Long	
CD	0.000	8-14-cv-02004-DOC-KESxALLERGAN	2/12/2020	0.000000	1,444.94	1,444.94	1,444.94
	NA9123459	, INC. (2014) (C.D. CAL.) (SEC		0.000000	1,444.94	1,444.94	1,444.94
		20200212S000100 / 000000000021	2/12/2020			Gain/Loss Local Amounts: 1,444.94 Long	
		KR3F19020002: S&P 500 INDEX				Gain/Loss Base Amounts: 1,444.94 Long	
CD	0.000	10697-VCSSABA SOFTWARE, INC. (	2/20/2020	0.000000	7,601.31	7,601.31	7,601.31
	NA9123459	2015) Distribution 1ST DISTRIB		0.000000	7,601.31	7,601.31	7,601.31
		20200220S000300 / 000000000005	2/20/2020			Gain/Loss Local Amounts: 7,601.31 Long	
		KR3F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts: 7,601.31 Long	

BNY MELLON

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Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
CD	0.000	MERCK AND CO CLASS ACTION PROC	2/25/2020	0.000000	9,566.61	9,566.61	9,566.61
	NA9123459	EEDS 05.20.99-01.28.05		0.000000	9,566.61	9,566.61	9,566.61
		20200225S000080 / 34661733	2/25/2020			Gain/Loss Local Amounts:	9,566.61 Long
		KR3F19020002: S&P 500 INDEX				Gain/Loss Base Amounts:	9,566.61 Long
CD	0.000	1-14-cv-00443-JLGT ADVANCED TE	2/27/2020	0.000000	15,087.12	15,087.12	15,087.12
	NA9123459	CHNOLOGIES INC. (UNDERWRITER D		0.000000	15,087.12	15,087.12	15,087.12
		20200227S000010 / 000000000000	2/27/2020			Gain/Loss Local Amounts:	15,087.12 Long
		KR3F10030002: SYSTEMATIC				Gain/Loss Base Amounts:	15,087.12 Long
CD	0.000	14-CV-09662 (JSR)PETROBRAS - P	3/3/2020	0.000000	17,606.38	17,606.38	17,606.38
	NA9123459	ETROLEO BRASILEIRO S.A (2014)		0.000000	17,606.38	17,606.38	17,606.38
		20200303S000030 / 000000000022	3/3/2020			Gain/Loss Local Amounts:	17,606.38 Long
		KR3F29010002: NON-US TRANS ACCT				Gain/Loss Base Amounts:	17,606.38 Long
CD	0.000	7-12-CV-00023-DBAXANO SURGICAL	3/3/2020	0.000000	170.43	170.43	170.43
	NA9123459	, INC (FKA TRANS1, INC) Distri		0.000000	170.43	170.43	170.43
		20200303S011720 / 000000000003	3/3/2020			Gain/Loss Local Amounts:	170.43 Long
		KR3F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	170.43 Long
CD	0.000	1-17-cv-00012-DAK-EJFVISTA OUT	3/27/2020	0.000000	139.04	139.04	139.04
	NA9123459	DOOR INC. Distribution 1ST DIS		0.000000	139.04	139.04	139.04
		20200327S000530 / 000000000003	3/27/2020			Gain/Loss Local Amounts:	139.04 Long
		KR3F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	139.04 Long
CD	0.000	1-17-cv-00012-DAK-EJFVISTA OUT	3/31/2020	0.000000	3,396.98	3,396.98	3,396.98
	NA9123459	DOOR INC. Distribution 1ST DIS		0.000000	3,396.98	3,396.98	3,396.98
		20200331S000150 / 000000000003	3/31/2020			Gain/Loss Local Amounts:	3,396.98 Long
		KR3F10120002: RIVER ROAD FAV				Gain/Loss Base Amounts:	3,396.98 Long
CD	0.000	2-17-CV-02025-JCJWALTER INVEST	3/31/2020	0.000000	82.95	82.95	82.95
	NA9123459	MENT MANAGEMENT CORP. (2017) D		0.000000	82.95	82.95	82.95
		20200331S000720 / 000000000003	3/31/2020			Gain/Loss Local Amounts:	82.95 Long
		KR3F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts:	82.95 Long

BNY MELLON

[redacted]

Transaction Detail
Reported By Transaction Category
12/31/2019 - 3/31/2020

Report ID : IACS0008
Base Currency : USD
Status : REVISED

Trans Code / Link Ref	Shares/Par / Security ID	Description / Broker / Transaction No./Client Ref No.	Trade Date / C. Settle Date / Reported Date	Price Local/Base	Cost Local/Base	Amount Local/Base	Net Gain/Loss Local/Base
		TOTAL U.S. DOLLAR CASH & CASH EQUIVALENTS:			**71,933.69**	**71,933.69**	**71,933.69**
					71,933.69	**71,933.69**	**71,933.69**
		TOTAL CASH & CASH EQUIVALENTS CLASS ACTIONS:			**71,933.69**	**71,933.69**	**71,933.69**
		TOTAL CLASS ACTIONS:			**71,933.69**	**71,933.69**	**71,933.69**
CORPORATE ACTIONS							
CASH & CASH EQUIVALENTS							
U.S. DOLLAR							
CW	0.000	1-17-cv-00012-DAK-EJFVISTA OUT	3/27/2020	0.000000	-4.17	-4.17	-4.17
	NA9123459	DOOR INC. Distribution 1ST DIS		0.000000	-4.17	-4.17	-4.17
		20200327S000560 / 000000000003	3/27/2020			Gain/Loss Local Amounts: -4.17 Long	
		KR3F10020002: NTGI STRUCTURED				Gain/Loss Base Amounts: -4.17 Long	
		TOTAL TRANSACTIONS BASE:			**71,929.52**	**71,929.52**	**71,929.52**

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Pension Fund											
AMERRA Agri und II, LP	40,100,000	24,456,817	0	24,456,817	0	0	24,456,817	0	24,456,817	0.00	0.00
AMERRA-KRS Agri Ho ding Company, LP	65,000,000	43,260,838	0	43,260,838	6,467,662	589,715	43,260,838	5,877,947	49,138,785	0.00	0.00
Arbor Capita II, L P	22,500,000	56,623	0	56,623	0	0	56,623	0	56,623	0.00	0.00
Arcano KRS Fund I, .P.	36,000,000	24,493,007	-1,777,056	22,715,951	0	0	24,493,007	-1,777,056	22,715,951	0.00	0.00
Ares Special Situations Fund IV, L.P.	26,192,000	24,422,286	0	24,422,286	0	0	24,422,286	0	24,422,286	0.00	0.00
Ba ings Real Estate u opean Value Add I SCSp	115,211,250	43,213,823	0	43,213,823	0	0	43,213,823	-972,070	42,241,753	-2.25	-2.25
Bay Hil s Cap tal I, L P	67,500,000	14,208,014	-6,100,361	8,107,653	0	0	14,208,014	-6,100,361	8,107,653	0.00	0.00
Bay Hil s Cap tal I I, .P.	51,250,000	58,958,179	-1,755,530	57,202,649	1,882,247	3,381,620	58,958,179	-3,254,903	55,703,276	0.00	0.00
Bay Hil s Emerg ng artners II LP	45,000,000	77,248,101	-1,678,500	75,569,601	718,274	4,758,374	77,248,101	-5,718,600	71,529,501	0.00	0.00
Bay Hil s Emerg ng artners II-B LP	45,000,000	58,550,236	-1,620,000	56,930,236	342,000	0	58,550,236	-1,278,000	57,272,236	0.00	0.00
BDCM Oppo tuni y Fund IV, L.P.	35,580,000	35,520,429	0	35,520,429	1,897,251	1,010,038	35,520,429	887,213	36,407,642	0.00	0.00
Blackstone Capital Pa ners V, L.P.	47,174,735	2,147,174	-3,017	2,144,157	0	0	2,147,174	-3,017	2,144,157	0.00	0.00
Blackstone Capital Partners VI, L.P.	60,000,000	45,234,160	0	45,234,160	810,068	2,524,113	45,234,160	-1,714,045	43,520,115	0.00	0.00
BSP Co- nvest Vehic e K LP	0	11,695,788	0	11,695,788	0	244,625	11,695,788	-244,625	11,451,163	0.00	0.00
BSP Private Credit Fund	100,000,000	68,425,308	0	68,425,308	30,693,070	1,597,955	68,425,308	29,095,115	97,520,423	0.00	0.00
B G Pactual Brazi T mberland Fund I	34,500,000	25,679,563	0	25,679,563	1,131,380	0	25,679,563	1,131,380	26,810,942	0.00	0.00
Camelot Oppo uni ies Fund, L.P.	23,400,000	8,098,083	0	8,098,083	0	0	8,098,083	0	8,098,083	0.00	0.00
Cerberus KRS evered Loan Opportunities Fund, L.P.	140,000,000	120,880,355	0	120,880,355	0	0	121,853,924	0	121,853,924	0.81	0.81
Columbia Captal qu ty Partners IV, L.P.	27,000,000	3,415,068	0	3,415,068	0	0	3,415,068	0	3,415,068	0.00	0.00
Crestview Pa tners , L.P.	67,500,000	34,742,330	0	34,742,330	0	0	34,742,330	0	34,742,330	0.00	0.00
Crestview Pa tners I, L.P.	39,000,000	29,035,438	-10,586,838	18,448,600	0	0	29,035,438	-10,586,838	18,448,600	0.00	0.00
CS Adjacent Investment Partners Parallel LP	140,000,000	N/A	0	0	40,169,500	0	N/A	40,169,500	40,169,500	0.00	0.00
CVC European Equity Partners VI, L.P.	24,052,564	27,566,002	0	27,566,002	0	89,913	27,566,002	-709,300	26,856,702	-2.25	-2.25
DAG Ventures II, L.P.	27,000,000	3,235,412	0	3,235,412	0	0	3,235,412	0	3,235,412	0.00	0.00
DAG Ventures III, L .	27,000,000	3,183,764	-845,463	2,338,300	0	0	3,183,764	-845,463	2,338,300	0.00	0.00
DAG Ventures IV, L P.	90,000,000	51,024,265	-1,009,310	50,014,954	0	0	51,024,265	-1,009,310	50,014,954	0.00	0.00
DAG Ventures V, L.P.	8,000,000	8,722,126	-165,411	8,556,716	0	0	8,722,126	-165,411	8,556,716	0.00	0.00
DCM VI, L P	13,500,000	10,989,912	0	10,989,912	0	0	10,989,912	0	10,989,912	0.00	0.00
D vcoWes Fund V	20,800,000	3,067,533	0	3,067,533	0	0	3,067,533	0	3,067,533	0.00	0.00
Essex Woodlands und VIII, L.P.	22,500,000	10,332,994	-300,149	10,032,845	0	0	10,332,994	-300,149	10,032,845	0.00	0.00
Fundamental Partners III LP	70,000,000	48,169,403	0	48,169,403	14,098,690	0	48,169,403	14,098,690	62,268,093	0.00	0.00
G een qui y Investors IV, L.P.	67,500,000	0	0	0	0	0	0	0	0	N/A	N/A
Green Equity Investors V, L.P.	90,000,000	34,784,921	-624,535	34,160,386	0	0	34,784,921	-624,535	34,160,386	0.00	0.00
G een qui y Investors VI, L.P.	32,000,000	36,366,379	0	36,366,379	19,147	331,908	36,366,379	-312,761	36,053,618	0.00	0.00

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Pension Fund											
G een qui y Investors VII LP	25,000,000	21,023,159	0	21,023,159	1,958,139	0	21,023,159	1,958,139	22,981,298	0.00	0.00
Greenfield Acquisition Partners VI, L.P.	38,100,000	930,363	0	930,363	0	132,089	930,363	-132,089	798,274	0.00	0.00
G eenfie d Acquisition Partners VII, L.P.	27,800,000	20,190,683	0	20,190,683	0	363,449	20,190,683	-363,449	19,827,234	0.00	0.00
GTCR Fund IX-A, L.P.	63,000,000	172,153	0	172,153	0	211,743	172,153	-211,743	-39,590	0.00	0.00
H I.G. B oVentures I , P.	13,500,000	13,962,172	0	13,962,172	368,939	0	13,962,172	368,939	14,331,111	0.00	0.00
H I.G. Cap tal Partne V, L.P.	13,100,000	14,467,329	0	14,467,329	0	0	14,467,329	0	14,467,329	0.00	0.00
H I.G. Ven ures II, L .	18,000,000	5,840,650	0	5,840,650	0	0	5,840,650	0	5,840,650	0.00	0.00
H&F Spock I LP	3,250,153	6,408,881	0	6,408,881	0	0	6,408,881	0	6,408,881	0.00	0.00
Harvest artne s V, .P.	36,000,000	4,586,941	-4,498,600	88,341	0	0	4,586,941	-4,498,600	88,341	0.00	0.00
Harvest artne s VI, L P.	28,400,000	16,060,101	-2,348,986	13,711,115	1,297,541	0	16,060,101	-1,051,445	15,008,656	0.00	0.00
Harvest Partners VII LP	20,000,000	17,766,653	912,192	18,678,845	2,555,033	0	17,766,653	3,467,225	21,233,878	0.00	0.00
Hellman and F iedman Capital Partners VI, L.P.	20,000,000	996,380	0	996,380	0	0	996,380	0	996,380	0.00	0.00
Horsley Bridge International Fund V, L.P.	45,000,000	83,750,279	-1,704,124	82,046,155	175,500	2,195,916	83,750,279	-3,724,540	80,025,739	0.00	0.00
I M US Infrastructure Debt Fund	70,000,000	40,643,468	0	40,643,468	3,707,070	396,428	40,643,468	3,310,642	43,954,110	0.00	0.00
Institut onal Venture Partners XI, L.P.	0	0	0	0	0	0	0	0	0	N/A	N/A
Institut onal Venture Partners XII, L.P.	27,000,000	5,563,080	0	5,563,080	0	0	5,563,080	0	5,563,080	0.00	0.00
JW Childs Equi y Pa tners III, L.P.	36,000,000	20,729	0	20,729	0	0	20,729	0	20,729	0.00	0.00
Kayne Anderson nergy Fund VII LP	50,000,000	35,025,195	432,731	35,457,926	0	0	35,025,195	432,731	35,457,926	0.00	0.00
KCP IV Co-Invest	13,013,385	4,932,070	146,125	5,078,196	0	0	4,932,070	31,894	4,963,964	-2.25	-2.25
Keyhaven Capi al Par ners Fund III, L.P.	27,686,022	19,268,430	-832,832	18,435,598	6,309	1,031,464	19,268,430	-2,300,090	16,968,340	-2.41	-2.41
Keyhaven Capital Partners IV LP	13,013,385	3,719,508	475,989	4,195,498	374,027	0	3,719,508	754,341	4,473,849	-2.19	-2.19
Levine Leichtman Capital Partners V, L.P.	46,000,000	41,555,598	-844,066	40,711,532	585,006	1,231,491	41,555,598	-1,490,551	40,065,047	0.00	0.00
Levine Leichtman Capital Partners VI LP	37,500,000	12,753,508	-349,695	12,403,813	328,125	71,010	12,753,508	-92,580	12,660,928	0.00	0.00
Lubert Ad er VII	34,750,000	28,914,592	0	28,914,592	0	0	28,914,592	0	28,914,592	0.00	0.00
Lubert-Adler Real Estate Fund VII-B LP	36,750,000	28,733,683	0	28,733,683	3,675,000	1,096,310	28,733,683	2,578,690	31,312,374	0.00	0.00
Magen ar M P Energy Opportunities Fund II LLC	37,500,000	33,807,780	0	33,807,780	266,779	283,361	33,807,780	-16,581	33,791,199	0.00	0.00
MatlinPatterson Global Opportunities Partners	45,000,000	0	0	0	0	0	0	0	0	N/A	N/A
MatlinPatterson Global Opportunities Partners II	45,000,000	1,322,059	0	1,322,059	0	0	1,322,059	0	1,322,059	0.00	0.00
MatlinPatterson Global Opportunities Partners III	45,000,000	13,855,509	-2,294,174	11,561,335	0	0	13,855,509	-2,294,174	11,561,335	0.00	0.00
Merit Mezzanine Fund IV, L.P.	27,000,000	196,154	0	196,154	0	0	196,154	0	196,154	0.00	0.00
Mesa West Co e end ng Fund, LP	57,500,000	60,514,198	0	60,514,198	0	796,839	60,514,198	-796,839	59,717,359	0.00	0.00
Mesa West Real Estate Income Fund II	9,999,999	0	0	0	0	0	0	0	0	N/A	N/A

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Pension Fund											
Mesa West Real Estate Income Fund IV LP	36,000,000	20,497,015	0	20,497,015	1,800,000	609,723	20,497,015	1,190,277	21,687,292	0.00	0.00
MHR Institutional Partners III, L.P.	0	0	0	0	0	0	0	0	0	N/A	N/A
MiddleG ound Partners I LP	50,000,000	10,919,242	-532,377	10,386,865	5,990,657	0	10,919,242	5,458,280	16,377,522	0.00	0.00
Mill Road Capital I, L.P.	27,000,000	6,599,003	0	6,599,003	0	0	6,599,003	0	6,599,003	0.00	0.00
New Moun ain Partne s II, L.P.	25,000,000	268,212	0	268,212	0	0	268,212	0	268,212	0.00	0.00
New Moun ain Partne s III, L.P.	33,750,000	26,396,709	0	26,396,709	0	0	26,396,709	0	26,396,709	0.00	0.00
New Moun ain Partne s IV, L.P.	32,800,000	25,313,044	0	25,313,044	0	140,526	25,313,044	-140,526	25,172,518	0.00	0.00
Oak Hill apital Partners II, L.P.	67,500,000	1,857,641	-983,368	874,273	0	0	1,857,641	-983,368	874,273	0.00	0.00
Oak Hill apital Partners III, L.P.	33,750,000	6,394,795	-481,435	5,913,360	0	0	6,394,795	-481,435	5,913,360	0.00	0.00
Oberland Capi al Hea hcare LP	34,500,000	3,648,050	3,967,500	7,615,550	599,844	1,637,501	3,648,050	2,929,843	6,577,893	0.00	0.00
OCM Opportunities Fund VI b, L.P.	0	0	0	0	0	0	0	0	0	N/A	N/A
Pa ron Cap tal V LP	39,501,000	20,204,073	0	20,204,073	288,812	1,466,961	20,204,073	-1,637,822	18,566,251	-2.34	-2.34
Riverside Capital Appreciation Fund VI, L.P.	35,500,000	21,986,940	0	21,986,940	0	0	21,986,940	0	21,986,940	0.00	0.00
Rubenstein Propertie Fund II	20,800,000	17,171,783	-804,027	16,367,756	0	0	17,171,783	-804,027	16,367,756	0.00	0.00
Seconda y Opportun ies Fund III, L.P.	25,000,000	18,117,482	0	18,117,482	0	0	18,117,482	0	18,117,482	0.00	0.00
Strateg c Value Specia Situations Fund IV LP	43,300,000	14,570,716	2,165,000	16,735,716	0	21,651	14,570,716	2,143,349	16,714,065	0.00	0.00
Sun Cap tal Pa tners V	0	0	0	0	0	0	0	0	0	N/A	N/A
Taurus Mining Finance Fund LLC	45,100,000	33,414,966	2,086,185	35,501,151	1,007,194	8,982,639	33,414,966	-5,889,260	27,525,706	0.00	0.00
TCV VI, L P.	0	0	0	0	0	0	0	0	0	N/A	N/A
Tenaska Power Fund I , L.P.	27,000,000	775,832	0	775,832	0	0	775,832	0	775,832	0.00	0.00
Triton und IV, L.P.	27,605,628	14,409,731	0	14,409,731	940,369	0	14,409,731	598,942	15,008,674	-2.32	-2.32
VantagePo n Venture Partners 2006, L.P.	27,000,000	7,242,199	0	7,242,199	0	904,181	7,242,199	-904,181	6,338,018	0.00	0.00
VantagePo n Venture Partners IV, L.P.	36,000,000	2,172,021	0	2,172,021	0	0	2,172,021	0	2,172,021	0.00	0.00
Vista Equi y Par ner I, L.P.	45,000,000	4,230,681	0	4,230,681	22,397	0	4,230,681	22,397	4,253,078	0.00	0.00
Vista Equi y Par ner V, L.P.	27,000,000	17,804,574	0	17,804,574	96,298	0	17,804,574	96,298	17,900,872	0.00	0.00
Vista Equi y Par ner VI LP	25,000,000	30,825,220	0	30,825,220	128,586	0	30,825,220	128,586	30,953,806	0.00	0.00
Walton St eet Real s ate Fund VI, LP	36,000,000	12,658,279	0	12,658,279	0	0	12,658,279	0	12,658,279	0.00	0.00
Walton Street Real Estate Fund VII, LP	38,120,000	11,682,253	0	11,682,253	75,070	1,566,496	11,682,253	-1,491,143	10,191,110	0.00	0.00
Warburg, Pincus Private Equity IX, L.P.	50,000,000	2,306,983	0	2,306,983	0	0	2,306,983	0	2,306,983	0.00	0.00
Warburg, Pincus Private Equity X, L.P.	38,750,000	11,157,550	0	11,157,550	0	1,783,501	11,157,550	-1,783,501	9,374,049	0.00	0.00
Wayzata Oppor uni ies Fund II, L.P.	67,500,000	1,024,072	0	1,024,072	0	0	1,024,072	0	1,024,072	0.00	0.00
Wayzata Oppor uni ies Fund III, L.P.	35,500,000	6,210,107	0	6,210,107	0	346,239	6,210,107	-346,239	5,863,868	0.00	0.00
Wayzata Oppor uni ies Fund, L.P.	67,500,000	0	0	0	0	0	0	0	0	N/A	N/A
White Oak Yield Spec rum Parallel Fund LP	100,000,000	94,961,775	0	94,961,775	35,541,085	941,949	94,961,775	34,599,136	129,560,911	0.00	0.00

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Pension Fund											
Total: Kentucky Retirement Systems - Pensi	***3,927,600,121***	***1,972,986,585***	***-31,954,132***	***1,941,032,453***	***160,017,068***	***40,739,726***	***1,973,960,154***	***84,278,926***	***2,058,239,080***	***-0.10***	***-0.10***
Total Investments: 100	**3,927,600,121**	**1,972,986,585**	**-31,954,132**	**1,941,032,453**	**160,017,068**	**40,739,726**	**1,973,960,154**	**84,278,926**	**2,058,239,080**	**-0.10**	**-0.10**

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Insurance Fund											
AMERRA Agr Fund I , P	16,200,000	9,863,466	0	9,863,466	0	0	9,863,466	0	9,863,466	0.00	0.00
AMERRA- R Agri Holding Company, LP	35,000,000	23,294,298	0	23,294,298	3,482,587	317,539	23,294,298	3,165,048	26,459,346	0.00	0.00
A bor Cap a II, L.P.	2,500,000	6,292	0	6,292	0	0	6,292	0	6,292	0.00	0.00
A cano KRS Fund , L P	4,000,000	2,720,081	0	2,720,081	0	0	2,720,081	0	2,720,081	0.00	0.00
Ares Special Situations Fund IV, L.P.	13,808,000	12,879,051	0	12,879,051	0	0	12,879,051	0	12,879,051	0.00	0.00
Avenue Spec al Situa ions Fund V, L.P.	7,500,000	0	-10,266	-10,266	0	0	0	-10,266	-10,266	0.00	0.00
Barings Real Estate European Value Add I SCSp	49,376,250	18,520,209	0	18,520,209	0	0	18,520,209	-416,602	18,103,608	-2.25	-2.25
Bay Hi ls Cap tal I, L.P	7,500,000	1,578,669	-677,818	900,851	0	0	1,578,669	-677,818	900,851	0.00	0.00
Bay Hi ls Cap tal II , L P	48,750,000	50,431,399	-1,499,470	48,931,929	1,607,704	2,888,380	50,431,399	-2,780,146	47,651,253	0.00	0.00
Bay Hi ls Emerg ng Par ners II LP	5,000,000	8,583,123	-186,500	8,396,623	79,808	528,708	8,583,123	-635,400	7,947,723	0.00	0.00
Bay Hi ls Emerg ng Par ners II-B LP	5,000,000	6,505,581	-180,000	6,325,581	38,000	0	6,505,581	-142,000	6,363,581	0.00	0.00
BDCM Oppo tunity Fund IV, L.P.	24,420,000	24,379,120	0	24,379,120	1,302,160	693,231	24,379,120	608,929	24,988,049	0.00	0.00
Blackstone Capital Partners V, L.P.	12,414,403	564,739	-794	563,945	0	0	564,739	-794	563,945	0.00	0.00
Blacks one Capital Par ners VI, L.P.	40,000,000	30,156,109	0	30,156,109	540,046	1,682,742	30,156,109	-1,142,696	29,013,413	0.00	0.00
BSP Co-Invest Vehicle K LP	0	6,106,020	0	6,106,020	0	127,712	6,106,020	-127,712	5,978,308	0.00	0.00
BSP Pr vate C edit Fund	50,000,000	34,212,653	0	34,212,653	15,346,535	798,978	34,212,653	14,547,557	48,760,210	0.00	0.00
BTG Pactual razil Timberland Fund I	15,500,000	11,537,195	0	11,537,195	508,301	0	11,537,195	508,301	12,045,496	0.00	0.00
Camelot Oppor unitie Fund, L.P.	2,600,000	899,788	0	899,788	0	0	899,788	0	899,788	0.00	0.00
Cerbe us KR Levered Loan Opportunities Fund, L.P.	60,000,000	51,805,866	0	51,805,866	0	0	52,223,110	0	52,223,110	0.81	0.81
Columbia Cap al Equ ty Partners IV, L.P.	3,000,000	379,453	0	379,453	0	0	379,453	0	379,453	0.00	0.00
C estv ew Pa tners II, L P.	7,500,000	3,860,251	0	3,860,251	0	0	3,860,251	0	3,860,251	0.00	0.00
C estv ew Pa tners II , P.	21,000,000	10,345,041	0	10,345,041	0	0	10,345,041	0	10,345,041	0.00	0.00
CS Adjacent nvestment Partners Parallel LP	60,000,000	N/A	0	0	17,215,500	0	N/A	17,215,500	17,215,500	0.00	0.00
CVC European Equity artners VI, L.P.	13,276,944	14,565,812	0	14,565,812	0	47,510	14,565,812	-374,792	14,191,020	-2.25	-2.25
DAG Ventures I , L P	3,000,000	359,481	0	359,481	0	0	359,481	0	359,481	0.00	0.00
DAG Ventures I I, .P	3,000,000	341,933	-93,940	247,992	0	0	341,933	-93,940	247,992	0.00	0.00
DAG Ventures IV, .P	10,000,000	5,669,363	-112,146	5,557,217	0	0	5,669,363	-112,146	5,557,217	0.00	0.00
DAG Ventures V, L.P	7,000,000	7,631,855	-144,734	7,487,121	0	0	7,631,855	-144,734	7,487,121	0.00	0.00
DCM VI, L P	1,500,000	1,221,102	0	1,221,102	0	0	1,221,102	0	1,221,102	0.00	0.00
DivcoWest Fund IV	9,200,000	1,356,799	0	1,356,799	0	0	1,356,799	0	1,356,799	0.00	0.00
Essex Woodlands Fund VIII, L.P.	5,000,000	2,296,220	-66,700	2,229,520	0	0	2,296,220	-66,700	2,229,520	0.00	0.00
Fundamen al Partners III LP	30,000,000	20,644,032	0	20,644,032	6,042,296	0	20,644,032	6,042,296	26,686,328	0.00	0.00
Green Equity Investors IV, L.P.	7,500,000	0	0	0	0	0	0	0	0	N/A	N/A
Green Equ ty Investo s V, L.P.	10,000,000	3,864,991	-69,393	3,795,598	0	0	3,864,991	-69,393	3,795,598	0.00	0.00

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Insurance Fund											
Green Equ ty Investo s VI, L.P.	28,000,000	31,820,595	0	31,820,595	16,754	290,420	31,820,595	-273,666	31,546,929	0.00	0.00
Green Equity Investors VII LP	25,000,000	21,023,159	0	21,023,159	1,958,139	0	21,023,159	1,958,139	22,981,298	0.00	0.00
Green ield Acquisi ion Partners VI, L.P.	16,700,000	408,925	0	408,925	0	58,057	408,925	-58,057	350,868	0.00	0.00
Green ield Acquisition Partners VII, L.P.	12,200,000	8,860,662	0	8,860,662	0	159,499	8,860,662	-159,499	8,701,163	0.00	0.00
GTCR und I -A, L.P	7,000,000	0	0	0	0	23,514	0	-23,514	-23,514	0.00	0.00
H.I.G. BioVen ures II, L P.	11,500,000	11,893,702	0	11,893,702	314,281	0	11,893,702	314,281	12,207,983	0.00	0.00
H.I.G. Capi al Partner V, L.P.	6,900,000	7,620,196	0	7,620,196	0	0	7,620,196	0	7,620,196	0.00	0.00
H.I.G. Ventures I, .P	2,000,000	641,919	0	641,919	0	0	641,919	0	641,919	0.00	0.00
H&F Spoc I LP	1,794,672	2,403,327	0	2,403,327	0	0	2,403,327	0	2,403,327	0.00	0.00
Harve t Pa tners V, L P	4,000,000	509,660	-499,843	9,817	0	0	509,660	-499,843	9,817	0.00	0.00
Harvest Partners VI, L. .	11,600,000	6,559,764	-959,445	5,600,319	529,982	0	6,559,764	-429,463	6,130,301	0.00	0.00
Harve t Pa tners VII P	20,000,000	17,766,653	912,192	18,678,845	2,555,033	0	17,766,653	3,467,225	21,233,878	0.00	0.00
Hellman and Friedman Capital Partners VI, L.P.	7,500,000	373,660	0	373,660	0	0	373,660	0	373,660	0.00	0.00
Horsley Br dge nterna onal Fund V, L.P.	5,000,000	9,305,586	-189,348	9,116,238	19,500	243,991	9,305,586	-413,839	8,891,747	0.00	0.00
IFM US Inf a ucture Debt Fund	30,000,000	17,418,629	0	17,418,629	1,588,744	169,898	17,418,629	1,418,847	18,837,475	0.00	0.00
Institu ional enture Partners XI, L.P.	1,500,000	0	0	0	0	0	0	0	0	N/A	N/A
Institu ional enture Partners XII, L.P.	3,000,000	617,984	0	617,984	0	0	617,984	0	617,984	0.00	0.00
JW Ch lds qu ty Partners III, L.P.	4,000,000	71	0	71	0	0	71	0	71	0.00	0.00
Kayne Ander on Ene gy Fund VII LP	50,000,000	35,025,195	432,731	35,457,926	0	0	35,025,195	432,731	35,457,926	0.00	0.00
KCP IV Co-Invest	8,931,615	3,385,079	100,292	3,485,370	0	0	3,385,079	21,890	3,406,969	-2.25	-2.25
Keyhaven Capital Partners Fund III, L.P.	3,072,300	2,140,936	-92,537	2,048,399	701	114,607	2,140,936	-255,566	1,885,370	-2.41	-2.41
Keyhaven Cap tal Par ners IV LP	8,931,615	2,552,849	326,691	2,879,540	256,710	0	2,552,849	517,735	3,070,584	-2.19	-2.19
Levine eichtman Capi al Partners V, L.P.	24,000,000	21,681,182	-440,382	21,240,800	305,221	642,517	21,681,182	-777,678	20,903,504	0.00	0.00
Levine eichtman Capi al Partners VI LP	37,500,000	12,753,508	-349,695	12,403,813	328,125	71,010	12,753,508	-92,580	12,660,928	0.00	0.00
Lubert Adler VII	15,250,000	12,689,136	0	12,689,136	0	0	12,689,136	0	12,689,136	0.00	0.00
Lubert-Ad er Real Esta e Fund VII-B LP	15,750,000	12,314,436	0	12,314,436	1,575,000	469,847	12,314,436	1,105,153	13,419,589	0.00	0.00
Magentar M P Energy Opportunities Fund II LLC	12,500,000	11,269,260	0	11,269,260	88,926	94,454	11,269,260	-5,527	11,263,733	0.00	0.00
MatlinPatter on G oba Opportunities Partners	5,000,000	0	0	0	0	0	0	0	0	N/A	N/A
MatlinPatter on G oba Opportunities Partners II	5,000,000	146,895	0	146,895	0	0	146,895	0	146,895	0.00	0.00
MatlinPatter on G oba Opportunities Partners III	5,000,000	1,539,559	-254,908	1,284,651	0	0	1,539,559	-254,908	1,284,651	0.00	0.00
Merit Mez anine Fund IV, L.P.	3,000,000	21,795	0	21,795	0	0	21,795	0	21,795	0.00	0.00
Mesa Wes Core Lend ng Fund, LP	29,600,000	39,554,775	0	39,554,775	520,876	520,876	39,554,775	0	39,554,775	0.00	0.00

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Insurance Fund											
Mesa Wes Real Esta e Income Fund II	9,999,999	0	0	0	0	0	0	0	0	N/A	N/A
Mesa West Real Estate Income Fund IV LP	14,000,000	7,861,732	0	7,861,732	700,000	0	7,861,732	700,000	8,561,732	0.00	0.00
MHR nstitut onal Pa tners III, L.P.	4,000,000	1,223,525	0	1,223,525	0	8,979	1,244,161	0	1,244,161	2.43	2.43
MiddleGround Partners I LP	25,000,000	5,459,627	-266,190	5,193,437	2,995,332	0	5,459,627	2,729,142	8,188,769	0.00	0.00
Mill Road Cap tal , L P	3,000,000	733,222	0	733,222	0	0	733,222	0	733,222	0.00	0.00
New Mounta n Partne s II, L.P.	5,000,000	53,646	0	53,646	0	0	53,646	0	53,646	0.00	0.00
New Mounta n Partne s III, L.P.	7,500,000	5,865,930	0	5,865,930	0	0	5,865,930	0	5,865,930	0.00	0.00
New Mounta n Partne s IV, L.P.	17,200,000	13,273,913	0	13,273,913	0	73,691	13,273,913	-73,691	13,200,222	0.00	0.00
Oak H ll Capi al Partne s II, L.P.	7,500,000	205,957	-109,263	96,694	0	0	205,957	-109,263	96,694	0.00	0.00
Oak H ll Capi al Partne s III, L.P.	12,500,000	2,368,441	-178,309	2,190,132	0	0	2,368,441	-178,309	2,190,132	0.00	0.00
Oberland Capital Healthcare LP	15,500,000	1,638,980	1,782,500	3,421,480	269,496	735,689	1,638,980	1,316,307	2,955,287	0.00	0.00
OCM Opportun ties und VI b, L.P.	7,500,000	136,072	0	136,072	0	0	136,072	0	136,072	0.00	0.00
Patron Capital V LP	15,361,500	7,857,389	0	7,857,389	112,315	570,502	7,857,389	-636,936	7,220,453	-2.34	-2.34
R vers de Capi al Appreciation Fund VI, L.P.	18,712,500	11,589,563	0	11,589,563	0	0	11,589,563	0	11,589,563	0.00	0.00
Rubens ein P operties und II	9,200,000	7,595,212	-355,627	7,239,585	0	0	7,595,212	-355,627	7,239,585	0.00	0.00
Secondary Opportun t es Fund III, L.P.	75,000,000	54,352,447	0	54,352,447	0	0	54,352,447	0	54,352,447	0.00	0.00
S rategic Value Spec al Situations Fund IV LP	21,700,000	9,233,988	0	9,233,988	0	10,850	9,233,988	-10,850	9,223,138	0.00	0.00
Sun Capita Partners IV	2,000,000	257,770	0	257,770	0	0	257,770	0	257,770	0.00	0.00
Taurus Mining Finance Fund LLC	19,900,000	14,744,077	920,512	15,664,589	444,416	3,963,515	14,744,077	-2,598,587	12,145,490	0.00	0.00
TCV V , L.P	2,500,000	426,309	0	426,309	0	88,584	426,309	-88,584	337,725	0.00	0.00
Tenaska Power Fund II, L.P.	3,000,000	86,206	0	86,206	0	0	86,206	0	86,206	0.00	0.00
T iton Fund IV, P	14,202,804	7,595,682	0	7,595,682	495,689	0	7,595,682	315,716	7,911,397	-2.32	-2.32
VantagePoin Ven ure Partners 2006, L.P.	3,000,000	804,689	0	804,689	0	100,459	804,689	-100,459	704,230	0.00	0.00
VantagePoin Ven ure Partners IV, L.P.	4,000,000	241,336	0	241,336	0	0	241,336	0	241,336	0.00	0.00
V sta quity ar ners III, L.P.	5,000,000	470,080	0	470,080	2,489	0	470,080	2,489	472,569	0.00	0.00
V sta quity ar ners IV, L.P.	23,000,000	15,166,863	0	15,166,863	82,032	0	15,166,863	82,032	15,248,895	0.00	0.00
V sta quity ar ners VI LP	25,000,000	30,825,220	0	30,825,220	128,586	0	30,825,220	128,586	30,953,806	0.00	0.00
Walton Street Real Estate Fund VI, LP	4,000,000	1,406,475	0	1,406,475	0	0	1,406,475	0	1,406,475	0.00	0.00
Walton Stree Rea Estate Fund VII, LP	16,755,000	5,134,736	0	5,134,736	32,996	688,527	5,134,736	-655,407	4,479,329	0.00	0.00
Warburg, incus Private Equity IX, L.P.	10,000,000	461,397	0	461,397	0	0	461,397	0	461,397	0.00	0.00
Warburg, incus P ivate Equity X, L.P.	7,500,000	2,159,519	0	2,159,519	0	345,194	2,159,519	-345,194	1,814,325	0.00	0.00
Wayzata Oppor unitie Fund II, L.P.	7,500,000	113,786	0	113,786	0	0	113,786	0	113,786	0.00	0.00
Wayzata Oppor unitie Fund III, L.P.	18,712,500	3,273,426	0	3,273,426	0	182,507	3,273,426	-182,507	3,090,919	0.00	0.00
Wayzata Oppor unitie Fund, L.P.	7,500,000	0	0	0	0	0	0	0	0	N/A	N/A
White Oak Yield Spect um Parallel Fund LP	50,000,000	47,480,891	0	47,480,891	13,960,695	457,975	47,480,891	13,502,720	60,983,611	0.00	0.00

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

ADJUSTED ENDING VALUE POINT TO POINT (1/1/2020 - 3/31/2020)

All Portfolio Investments

Base Currency: USD

Investment	Commitment	Beginning Valuation	Adjustments	Beginning Adjusted Valuation	Period Contributions	Period Distributions	Ending Valuation	Adjustments	Ending Adjusted Valuation	IRR [1]	Unann. IRR
Kentucky Retirement Systems - Insurance Fund											
Total: Kentucky Retirement Systems - Insur	***1,504,020,102***	***918,977,195***	***-2,262,392***	***916,714,803***	***75,444,975***	***17,169,959***	***919,415,075***	***54,725,931***	***974,141,005***	***-0.09***	***-0.09***
Total Investments: 101	**1,504,020,102**	**918,977,195**	**-2,262,392**	**916,714,803**	**75,444,975**	**17,169,959**	**919,415,075**	**54,725,931**	**974,141,005**	**-0.09**	**-0.09**

[1] *Calculation follows the "Nominalize Short Term IRR Values" preference*

KENTUCKY RETIREMENT SYSTEMS
Investment Fees and Expenses
For the Year Ended March 31, 2020
Pension

	2020			2019		
	FYTD Fees	% of MV	Market Value	FYTD Fees	% of MV	Market Value
Absolute Return	$ 909,647	0.48%	$ 188,740,123	$ 2,609,608	1.12%	$ 232,109,155
Investment Adv so y Fees	*649 878*			*2 169 071*		
Pe fo mance Fees	*259 770*			*440 536*		
M scellaneous Fees and Expenses						
Core Fixed Income	2,047,202	0.11%	1,868,303,152	1,248,829	0.06%	2,233,243,632
Investment Adv so y Fees	*2 023 970*			*1 236 336*		
Pe fo mance Fees						
M scellaneous Fees and Expenses	*23 232*			*12 493*		
Opportunistic	1,800,036	1.04%	173,646,206	480,109	0.48%	99,658,007
Investment Adv so y Fees	-			-		
Pe fo mance Fees	*1 800 036*			*399 759*		
M scellaneous Fees and Expenses	-			*80 350*		
Pr vate Equity	13,251,049	1.19%	1,117,077,718	17 437,837	1.49%	1,173,707,359
Investment Adv so y Fees	*5 957 784*			*5 171 342*		
Pe fo mance Fees	*6 658 339*			*9 225 657*		
M scellaneous Fees and Expenses	*634 926*			*3 040 839*		
Public Equity	7,294,962	0.16%	4,666,213,612	6,584,478	0.14%	4,683,526,763
Investment Adv so y Fees	*7 071 108*			*6 427 263*		
M scellaneous Fees and Expenses	*223 854*			*157 215*		
Real Estate	19,020,959	3.31%	574,129,606	11 822,996	2.46%	480,679,397
Investment Adv so y Fees	*3 510 064*			*3 688 958*		
Pe fo mance Fees	*14 490 063*			*7 403 381*		
M scellaneous Fees and Expenses	*1 020 832*			*730 657*		
Real Return	5,979,832	0.76%	783,577,440	4,862,705	0.45%	1,078,722,492
Investment Adv so y Fees	*3 237 238*			*3 616 531*		
Pe fo mance Fees	*1 872 228*			*267 184*		
M scellaneous Fees and Expenses	*870 365*			*978 990*		
Speciality Credit Fixed Income	13,019,951	0.67%	1,936,427,992	13 362,523	0.68%	1,968,662,801
Investment Adv so y Fees	*9 180 157*			*8 726 008*		
Pe fo mance Fees	*3 608 806*			*4 407 430*		
M scellaneous Fees and Expenses	*230 988*			*229 085*		
Cash	2,397,836	0.56%	430,797,834	2,379,770	0.48%	496,094,425
Consu t ng	*454 818*			*582 999*		
T ustee	*814 080*			*867 453*		
M scellaneous Fees and Expenses	*1 128 938*			*929 318*		
Total Investment Mgmt Fees	65,721,473	0.56%	11,738,913,682	60 788,856	0.49%	12,446,404,032

KENTUCKY RETIREMENT SYSTEMS
Investment Fees and Expenses
For the Year Ended March 31, 2020
Insurance

	2020			2019		
	FYTD Fees	% of MV	Market Value	FYTD Fees	% of MV	Market Value
Absolute Return	$ 361,021	0.28%	$ 130,499,754	$ 1,071,765	1.13%	$ 95,008,629
Investment Adv so y Fees	*257 993*			*883 624*		
Pe fo mance Fees	*103 029*			*188 141*		
M scellaneous Fees and Expenses						
Core Fixed Income	822,812	0.10%	804,291,091	518,488	0.06%	824,249,389
Investment Adv so y Fees	*813 682*			*513 454*		
Pe fo mance Fees				-		
M scellaneous Fees and Expenses	*9 130*			*5 033*		
Opportunistic	916,590	1.87%	48,898,446	244,474	0.48%	50,746,471
Investment Adv so y Fees	-			-		
Pe fo mance Fees	*916 590*			*203 559*		
M scellaneous Fees and Expenses	-			*40 915*		
Pr vate Equity	6,005,214	1.06%	566,696,034	9,592,053	1.73%	553,547,714
Investment Adv so y Fees	*4 496 439*			*3 430 463*		
Pe fo mance Fees	*5 676 645*			*5 393 203*		
M scellaneous Fees and Expenses	*(4 167 871)*			*768 387*		
Public Equity	3,230,408	0.17%	1,854,320,228	2,841,735	0.14%	2,077,370,193
Investment Adv so y Fees	*3 132 942*			*2 772 993*		
M scellaneous Fees and Expenses	*97 466*			*68 742*		
Real Estate	7,908,442	4.00%	197,814,172	4,845,113	2.43%	199,547,019
Investment Adv so y Fees	*1 512 619*			*1 560 906*		
Pe fo mance Fees	*5 782 242*			*2 995 962*		
M scellaneous Fees and Expenses	*613 582*			*288 246*		
Real Return	2,486,796	0.59%	424,045,095	2,186,288	0.48%	454,096,354
Investment Adv so y Fees	*1 377 571*			*1 618 896*		
Pe fo mance Fees	*736 540*			*223 009*		
M scellaneous Fees and Expenses	*372 686*			*344 383*		
Speciality Credit Fixed Income	5,607,597	0.72%	775,830,818	5,327,019	0.66%	810,783,983
Investment Adv so y Fees	*3 961 845*			*3 426 028*		
Pe fo mance Fees	*1 530 559*			*1 787 755*		
M scellaneous Fees and Expenses	*115 192*			*113 236*		
Cash	1,213,024	0.73%	166,223,396	1,161,239	0.53%	219,883,448
Consu t ng	*194 723*			*245 236*		
T ustee	*532 429*			*590 836*		
M scellaneous Fees and Expenses	*485 873*			*325 166*		
Total Investment Mgmt Fees	$ 28,551,904	0.57%	4,968,619,034	$ 27 788,175	0.53%	5,285,233,200

Date	Other Party	Asset Class	Reason for Meeting	Location	Travel Location	KRS Attendees	Individuals Met With
09-Jan-20	Greenfield/Grandview	Real Estate	Manager Update	Other Parties' Offices	Chicago, IL	Andy Kiehl	Dean Sotter
09-Jan-20	Arrowstreet Capital	Equity	Manager Update	KRS Offices		Joe Gilbert	Peter May
14-Jan-20	Panagora	Equity	Manager Update	KRS Offices		Joe Gilbert	William Bardeen
15-Jan-20	Owl Rock	Other	Prospect	KRS Offices	Louisville	Rich Robben	James Clarke
16-Jan-20	William Blair	Equity	Prospect	KRS Offices		Joe Gilbert	James White, Ryan Dimas
21-Jan-20	Northern Trust Global Investments	Equity	Prospect	KRS Offices		Joe Gilbert	Mike Nieves, Bob Parise
22-Jan-20	Sands Capital	Equity	Introduction	KRS Offices		Joe Gilbert	Samantha Toler
27-Jan-20	H2O	Other	Manager Update	Other	Miami, Florida	Anthony Chiu	Cyril Beriot
27-Jan-20	Kawa Capital	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Tyler Claus
27-Jan-20	Sculptor Capital	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Aaron Zimmerman, Maggie Gresio
27-Jan-20	Bramshill	Other	Prospect	Other	Miami, Florida	Anthony Chiu	John Wasilewski
27-Jan-20	Core Commodity Fund	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Adam De Chiara, Enrique Lopez-Balboa
27-Jan-20	Park Avenue Inst.	Other	Prospect	KRS Offices	Louisville	Rich Robben	Jim Fink
28-Jan-20	Saba	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Drew Kellerman
28-Jan-20	Gotham	Other	Manager Update	Other	Miami, Florida	Anthony Chiu	Lauren Godlasky
28-Jan-20	Securis	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Cate Kenworthy, Tiyasha Auddy
28-Jan-20	Episteme	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Richard Leahy
28-Jan-20	East Lodge	Other	Prospect	Other	Miami, Florida	Anthony Chiu	Ali Lumsden, Karyn Geriger
29-Jan-20	American Century Investments	Equity	Manager Update	KRS Offices		Joe Gilbert	Raj Ghandi, Laura Granger, Ariella Mengon
29-Jan-20	Lord Abbett	Fixed Income	Manager Update	KRS Offices	Louisville	Rich Robben	Sam Scher
30-Jan-20	GQG Partners	Equity	Introduction	KRS Offices		Joe Gilbert	Justin Beltran
10-Feb-20	Janus Henderson	Other	Prospect	KRS Offices		Anthony Chiu	David Elms, Steve Cain, David Schrock
10-Feb-20	Manulife	Real Estate	Manager Update	Other Parties' Offices	Chicago, IL	Andy Kiehl	Jennifer Lundmark
11-Feb-20	DWS	Real Estate	Prospect	Other Parties' Offices	Chicago, IL	Andy Kiehl	Bryon Willy, Kevin Sheehan
14-Feb-20	Latec	Other	Other	Other	Louisville	Andy Kiehl	LA State Treasurer, Others
18-Feb-20	Altrinsic	Equity	Manager Update	KRS Offices		Joe Gilbert	David McBain
20-Feb-20	William Blair	Equity	Manager Update	KRS Offices		Joe Gilbert	Jim White, Mark Leslie, Dave Mitchell
24-Feb-20	Blackrock	Other	Prospect	Other Parties' Offices	St. Louis, MO	Andy Kiehl	Evan Tieger, Others
24-Feb-20	Putnam	Other	Prospect	Other Parties' Offices	St. Louis, MO	Andy Kiehl	Brendan Murray, Others
25-Feb-20	Presidio Investors	Private Equity	Prospect	Other Parties' Offices	Austin, TX	Anthony Chiu	Karl Schade, Victor Masaya, Rob Dhanda
26-Feb-20	Sands Capital	Equity	Manager Update	KRS Offices		Joe Gilbert	Samantha Toler, Michael Raab
26-Feb-20	Factset	General	Prospect	KRS Offices	Louisville	Rich Robben	Sam Hough
26-Feb-20	Sprott	Real Return	Prospect	Other	Austin, TX	Anthony Chiu	Chris von Strasser
27-Feb-20	FTSE Russell	Equity	Manager Update	KRS Offices		Joe Gilbert	Sara Wilson

Date	Other Party	Asset Class	Reason for Meeting	Location	Travel Location	KRS Attendees	Individuals Met With
28-Feb-20	Blue Torch	Other	Prospect	KRS Offices	Louisville	Anthony Chiu	Kevin Genda, Gary Manowitz
28-Feb-20	Blue Torch	Other	Prospect	KRS Offices	Louisville	Rich Robben	Kevin Genda
03-Mar-20	Abel Noser	Equity	Manager Update	KRS Offices		Joe Gilbert	Ian Leverich
05-Mar-20	Nuveen	Other	Existing Manager	KRS Offices	Louisville	Andy Kiehl, Rich Robben	Clint Doroff
05-Mar-20	DDJ	Other	Prospect	KRS Offices	Louisville	Rich Robben	Bill Porter
09-Mar-20	Benefit Street	Other	Manager Update	KRS Offices	Louisville	Rich Robben	Catherine Sauders
11-Mar-20	Varde Partners	Other	Prospect	Other Parties' Offices	Minneapolis, MN	Andy Kiehl	Andy Knapp
11-Mar-20	Intech	Equity	Manager Update	KRS Offices		Joe Gilbert	John Cardinali
12-Mar-20	Securian Asset Management	Other	Prospect	Other Parties' Offices	Minneapolis, MN	Andy Kiehl	Amy Theuninck, Others
27-Mar-20	Tortoise	Real Return	Existing Manager	KRS Offices	Louisville	Andy Kiehl	Jennifer Park, Others

Kentucky Retirement Systems (KRS)
Fiscal Year 2020 Investment Policy Performance Review
For the Quarter Ended March 31, 2020

Asset Allocations

The Investment Committee recognizes asset allocation as an investment strategy where apportioning resources across asset classes may temper volatility and risk. Portfolio diversification is important because risk tolerance is not the same for all plans. Therefore, each system has been studied and asset allocation guidelines have been established on a fund-by-fund basis. For example, KERS and SPRS are more risk averse because of funding levels compared to KERS-H, CERS, and CERS-H. The former are overweight in Fixed Income/Liquidity to balance the risks associated with the Growth strategy, which includes publicly traded equities, high yield credit, and private equity. At the

Figure 1: KERS-H, CERS, and CERS-H Target Asset Allocations

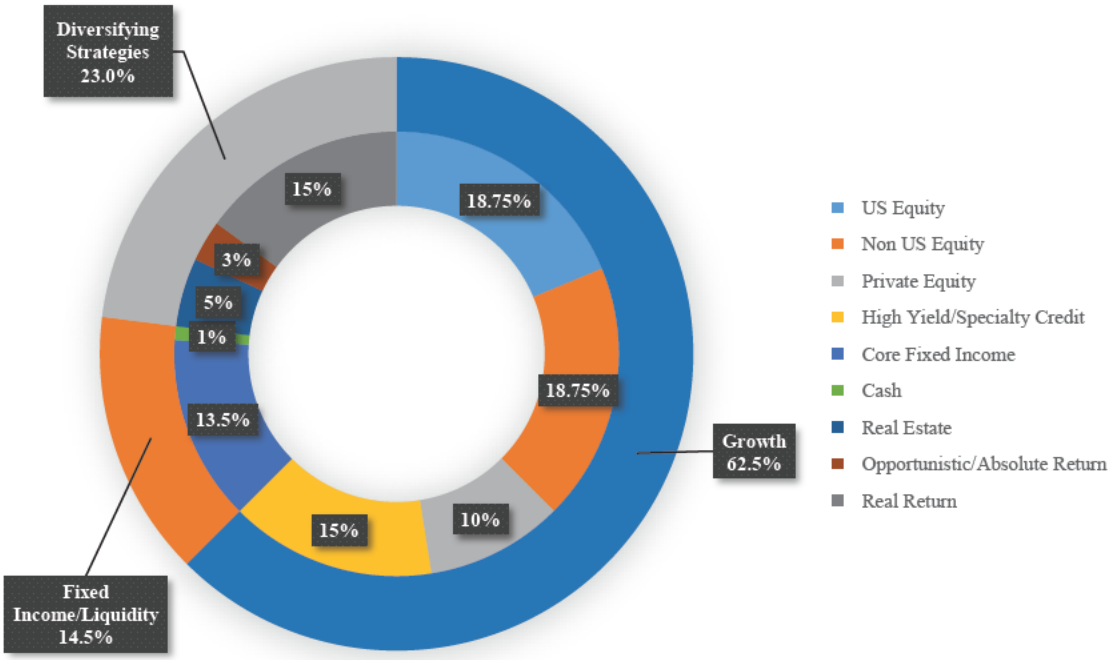
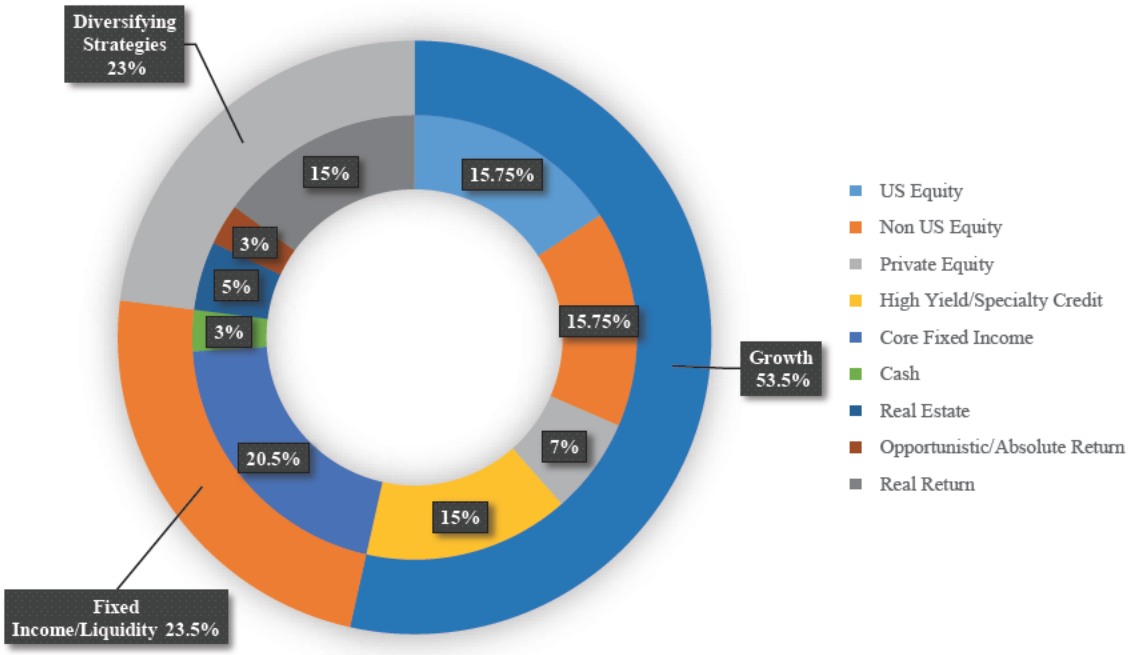


Figure 2: KERS and SPRS Target Asset Allocations



CERS

KRS Pension Fund Asset Allocation for CERS For the Quarter Ended March 31, 2020						
Asset Class	**Target Allocation**	**FY2020 Q3**	**FY2020 Q2**	**FY2020 Q1**	**FY2019 Q4**	**FY2019 Q3**
Growth	**62.50%**	**65.27%**	**66.53%**	**65.05%**	**65.40%**	**64.76%**
US Equity	18.75%	20.48%	20.31%	18.97%	18.90%	18.36%
Non US Equity	18.75%	20.72%	21.39%	20.45%	20.90%	20.85%
Private Equity	10.00%	8.88%	8.50%	9.08%	9.30%	9.38%
High Yield/Specialty Credit	15.00%	15.19%	16.33%	16.55%	16.30%	16.17%
Fixed Income / Liquidity	**14.50%**	**18.18%**	**17.33%**	**19.03%**	**19.30%**	**19.66%**
Core Fixed Income	13.50%	16.66%	16.32%	16.94%	17.00%	16.95%
Cash	1.00%	1.52%	1.01%	2.09%	2.30%	2.71%
Diversifying Strategies	**23.00%**	**16.54%**	**16.15%**	**15.92%**	**15.40%**	**15.57%**
Real Estate	5.00%	5.38%	4.33%	4.33%	3.80%	4.02%
Opportunistic/Absolute Return	3.00%	3.03%	2.93%	2.71%	2.70%	2.69%
Real Return	15.00%	8.13%	8.89%	8.88%	8.90%	8.86%

CERS-H

KRS Pension Fund Asset Allocation for CERS-H For the Quarter Ended March 31, 2020						
Asset Class	**Target Allocation**	**FY2020 Q3**	**FY2020 Q2**	**FY2020 Q1**	**FY2019 Q4**	**FY2019 Q3**
Growth	**62.50%**	**64.84%**	**66.05%**	**64.53%**	**65.10%**	**64.58%**
US Equity	18.75%	20.30%	20.11%	18.80%	18.80%	18.28%
Non US Equity	18.75%	20.63%	21.30%	20.29%	20.80%	20.78%
Private Equity	10.00%	8.95%	8.61%	9.18%	9.50%	9.56%
High Yield/Specialty Credit	15.00%	14.96%	16.03%	16.26%	16.00%	15.96%
Fixed Income / Liquidity	**14.50%**	**19.00%**	**18.04%**	**19.77%**	**19.80%**	**20.00%**
Core Fixed Income	13.50%	16.89%	16.54%	17.18%	16.70%	16.62%
Cash	1.00%	2.11%	1.50%	2.59%	3.10%	3.38%
Diversifying Strategies	**23.00%**	**16.15%**	**15.91%**	**15.71%**	**15.20%**	**15.42%**
Real Estate	5.00%	5.03%	4.12%	4.12%	3.60%	3.84%
Opportunistic/Absolute Return	3.00%	2.91%	2.81%	2.60%	2.60%	2.57%
Real Return	15.00%	8.21%	8.98%	8.99%	9.00%	9.01%

KERS

KRS Pension Fund Asset Allocation for KERS						
For the Quarter Ended March 31, 2020						
Asset Class	**Target Allocation**	**FY2020 Q3**	**FY2020 Q2**	**FY2020 Q1**	**FY2019 Q4**	**FY2019 Q3**
Growth	**53.50%**	**53.86%**	**54.48%**	**53.55%**	**55.50%**	**54.93%**
US Equity	15.75%	16.99%	16.68%	15.61%	15.70%	14.23%
Non US Equity	15.75%	16.28%	16.66%	15.81%	16.80%	17.01%
Private Equity	7.00%	8.24%	7.91%	8.65%	9.20%	9.83%
High Yield/Specialty Credit	15.00%	12.35%	13.23%	13.48%	13.80%	13.86%
Fixed Income / Liquidity	**23.50%**	**31.43%**	**31.25%**	**32.39%**	**30.50%**	**30.71%**
Core Fixed Income	20.50%	27.52%	27.03%	21.94%	22.20%	22.42%
Cash	3.00%	3.91%	4.22%	10.45%	8.30%	8.29%
Diversifying Strategies	**23.00%**	**14.71%**	**14.28%**	**14.06%**	**14.00%**	**14.38%**
Real Estate	5.00%	5.23%	4.16%	4.10%	3.60%	3.82%
Opportunistic/Absolute Return	3.00%	2.93%	2.85%	2.66%	2.70%	2.81%
Real Return	15.00%	6.55%	7.27%	7.30%	7.70%	7.75%

KERS-H

KRS Pension Fund Asset Allocation for KERS-H						
For the Quarter Ended March 31, 2020						
Asset Class	**Target Allocation**	**FY2020 Q3**	**FY2020 Q2**	**FY2020 Q1**	**FY2019 Q4**	**FY2019 Q3**
Growth	**62.50%**	**64.74%**	**65.11%**	**63.17%**	**63.90%**	**63.34%**
US Equity	18.75%	20.32%	19.86%	18.69%	18.70%	17.84%
Non US Equity	18.75%	20.82%	21.27%	19.55%	20.10%	20.23%
Private Equity	10.00%	8.42%	8.07%	8.69%	9.00%	9.15%
High Yield/Specialty Credit	15.00%	15.18%	15.91%	16.24%	16.10%	16.12%
Fixed Income / Liquidity	**14.50%**	**19.95%**	**19.70%**	**21.75%**	**21.50%**	**21.73%**
Core Fixed Income	13.50%	18.59%	18.23%	19.04%	16.60%	16.65%
Cash	1.00%	1.36%	1.47%	2.71%	4.90%	5.08%
Diversifying Strategies	**23.00%**	**15.32%**	**15.18%**	**15.07%**	**14.50%**	**14.92%**
Real Estate	5.00%	4.98%	4.22%	4.25%	3.70%	4.01%
Opportunistic/Absolute Return	3.00%	2.74%	2.64%	2.45%	2.40%	2.44%
Real Return	15.00%	7.60%	8.32%	8.37%	8.40%	8.47%

SPRS

KRS Pension Fund Asset Allocation for SPRS For the Quarter Ended March 31, 2020						
Asset Class	Target Allocation	FY2020 Q3	FY2020 Q2	FY2020 Q1	FY2019 Q4	FY2019 Q3
Growth	**53.50%**	**54.57%**	**54.94%**	**54.20%**	**55.50%**	**55.30%**
US Equity	15.75%	17.16%	16.75%	15.63%	15.70%	15.11%
Non US Equity	15.75%	16.63%	17.00%	16.62%	17.30%	17.41%
Private Equity	7.00%	6.33%	5.98%	6.47%	6.90%	7.18%
High Yield/Specialty Credit	15.00%	14.45%	15.21%	15.48%	15.60%	15.60%
Fixed Income / Liquidity	**23.50%**	**30.30%**	**30.19%**	**31.12%**	**30.20%**	**29.98%**
Core Fixed Income	20.50%	27.74%	27.23%	24.75%	23.60%	23.67%
Cash	3.00%	2.56%	2.96%	6.37%	6.60%	6.31%
Diversifying Strategies	**23.00%**	**15.13%**	**14.87%**	**14.69%**	**14.37%**	**14.73%**
Real Estate	5.00%	5.11%	4.29%	4.28%	3.80%	4.06%
Opportunistic/Absolute Return	3.00%	2.70%	2.58%	2.38%	2.37%	2.40%
Real Return	15.00%	7.32%	8.00%	8.03%	8.20%	8.27%

Investment Objectives and Rates of Return

KRS' returns are measured on a rolling basis and should exceed the return rates of comparable passive market indices. All allocations, ranges, and assumed rates of return are based on actuarial assumptions that went into effect July 12, 2017. The following definitions of short-term and long-term rates of return can be found in KRS' Investment Policy Statement.[1]

Short-Term Rate of Return: defined as a period shorter than the defined long-term period, typically considered as a full market cycle lasting three years. For more information, see the individual portfolio information included in the monthly update.[2]

Long-Term Rate of Return: defined as a period exceeding twenty years. In the long-term, KRS' total assets should achieve a return which exceeds the actuarially required rate of return of each plan. In addition to exceeding the actuarially required rate of return, the total fund return should exceed the return achieved by its blended performance benchmark.

The table below displays the market value, percent ownership of the total market value, rate of return, and index for each plan for the second quarter of fiscal year 2020. The KERS, KERS-H, and SPRS plans trailed their respective index.

KRS Pension Fund Market Values and Returns For the Quarter Ended March 31, 2020					
	Market Value	% of Total	Return	Index	Performance
CERS	$6,515,091,117	55.50%	-12.40	-12.98	Above Target
CERS-H	$2,196,814,128	18.71%	-12.41	-12.98	Above Target
KERS	$2,129,622,388	18.14%	-10.29	-11.43	Above Target
KERS-H	$633,301,939	5.39%	-12.54	-12.98	Above Target
SPRS	$264,084,115	2.25%	-10.80	-11.43	Above Target
TOTAL	$11,738,913,688	100.00%			

[1] Kentucky Retirement Systems, "Statement of Investment Policy " Adopted on July 12, 2017 Available at: https://kyret.ky.gov/Investments/Investment%20Policies/KRS%20Investment%20Policy%20Statement%20JULY%2012%202017.pdf

[2] KRS Monthly Staff Performance Reports available at: https://kyret.ky.gov/Investments/Investments-Library/Pages/Monthly%20Performance%20Updates.aspx

The table below shows 1-Year returns for each of KRS' plans and KRS in total. All plans were above target.

KRS Pension Fund FY2020 Returns by Plan For the Quarter Ended March 31, 2020				
Fund	**Return**	**Benchmark**	**Benchmark Rate of Return**	**Performance**
KRS 1-Year Return	-4.51	KRS Pension Blended Index	-5.61	Above Target
CERS 1-Year Return	-4.81	CERS Pension Plan Tactical Index	-5.74	Above Target
CERS-H 1-Year Return	-4.89	CERS-H Pension Plan Tactical Index	-5.74	Above Target
KERS 1-Year Return	-3.37	KERS Pension Plan Tactical Index	-4.62	Above Target
KERS-H 1-Year Return	-5.10	KERS-H Pension Plan Tactical Index	-5.74	Above Target
SPRS 1-Year Return	-3.76	SPRS Pension Plan Tactical Index	-4.62	Above Target

The table below displays 10-Year and 30-Year returns for all plans.

KRS Pension Fund Long-Term Returns For the Quarter Ended March 31, 2020				
Fund	**Return**	**Index**	**Benchmark Rate of Return**	**Performance**
CERS 30-Year Return	7.67	KY Ret. CERS Plan Tactical	7.60	**Above Target**
CERS 10-Year Return	5.98	KY Ret. CERS Plan Tactical	5.95	**Above Target**
CERS-H 30-Year Return	7.67	KY Ret. CERS Haz Plan Tactical	7.60	**Above Target**
CERS-H 10-Year Return	5.98	KY Ret. CERS Haz Plan Tactical	5.95	**Above Target**
KERS 30-Year Return	7.65	KY Ret. KERS Plan Tactical	7.60	**Above Target**
KERS 10-Year Return	5.91	KY Ret. KERS Plan Tactical	5.96	**Below Target**
KERS-H 30-Year Return	7.66	KY Ret. KERS Haz Plan Tactical	7.60	**Above Target**
KERS-H 10-Year Return	5.94	KY Ret. KERS Haz Plan Tactical	5.95	**Below Target**
SPRS 30-Year Return	7.60	KY Ret. SPRS Plan Tactical	7.60	**On Target**
SPRS 10-Year Return	5.78	KY Ret. SPRS Plan Tactical	5.95	**Below Target**

Returns by Asset Class

The following tables display KRS' 3-year, 5-year, and 10-year returns for the following asset classes: U.S. Equity, Non-U.S. Equity, Real Return, and Cash; these returns are compared to benchmarked indices. The 20-year returns have also been provided for U.S. Equity and Cash. For all periods, the U.S. Equity portfolio trailed its benchmark.

When applicable, portfolio performance is also examined using the standard deviation, Sharpe ratio, and median return. The standard deviation is a statistical measure of volatility where a higher standard deviation indicates greater volatility indicating higher risk. The Sharpe ratio measures risk as the average return in excess of a risk free investment, e.g. a U.S. Treasury bond. A higher Sharpe ratio exemplifies a higher return in excess of a risk free investment. Finally, distance from the median measures performance based on peer comparisons.

KRS U.S. Equity					
Standard Measurement		**KRS**	**Index**	**Result**	**Times Out of Compliance (Past 4 Qtrs.)**
Short-Term:					
For periods less than five years or a full market cycle, U.S. Equity should exceed the returns of the KRS Equity Blended Index.	3-Year	2.90	4.00	Below Target	4
Long-Term: (5 & 10 Years)					
U.S. Equity return should exceed the KRS Equity Blended Index.	5-Year	4.83	5.77	Below Target	4
	10-Year	9.46	10.18	Below Target	4
	20-Year	4.76	5.23	Below Target	4
Volatility, as measured by the standard deviation of monthly returns, should be comparable to that of the Index within a 10 percent range of the Index.	5-Year	12.23	12.09	Within Range	0
	10-Year	13.00	12.35	Within Range	0
U.S. Equity return should compare favorably to the KRS Equity Blended Index on a risk-adjusted basis, as measured by Sharpe ratio.	5-Year	0.33	0.39	Below Target	4
	10-Year	0.68	0.73	Below Target	4
U.S. Equity should generate returns that rank above the median return of a relevant peer group.	5-Year	4.94	5.77	Below Target	1
	10-Year	9.56	10.18	Below Target	4

KRS Non-U.S. Equity					
Standard Measurement		**KRS**	**Index**	**Result**	**Times Out of Compliance (Past 4 Qtrs.)**
Short-Term:					
For periods less than five years or a full market cycle, Non-U.S. Equity should exceed the returns of the KRS International Equity Blended Index	3-Year	-0.65	-2.25	Above Target	0
Long-Term: (5 & 10 Years)					
Non-U.S. Equity return should exceed the KRS International Equity Blended Index	5-Year	0.55	-0.63	Above Target	0
	10-Year	2.41	2.33	Above Target	0
Volatility, as measured by the standard deviation of monthly returns, should be comparable to that of the Index within a 10 percent range of the Index.	5-Year	14.36	14.59	Within Range	0
	10-Year	14.83	15.43	Within Range	0
Non-U.S. Equity return should compare favorably to the KRS International Equity Blended Index on a risk-adjusted basis, as measured by Sharpe ratio.	5-Year	0.03	-0.05	Above Target	1
	10-Year	0.20	0.19	Above Target	0
Non-U.S. Equity should generate returns that rank above the median return of a relevant peer group	5-Year	0.81	-0.63	Above Target	0
	10-Year	2.64	2.33	Above Target	3

KRS Real Return					
Standard Measurement		**KRS**	**Index**	**Result**	**Times Out of Compliance (Past 4 Qtrs.)**
Short-Term:					
For periods less than five years or a full market cycle, Real Return should exceed the returns of the KRS Pension Real Return Custom Benchmark	3-Year	-3.05	-3.57	Above Target	0
Long-Term					
Real Return return should exceed the KRS Pension Real Return Custom Benchmark	5-Year	-0.40	-1.28	Above Target	0
	10-Year	N/A	N/A	N/A	0
Volatility, as measured by the standard deviation of monthly returns, should be comparable to that of the Index within a 10 percent range of the Index.	5-Year	8.52	7.97	Within Range	3
	10-Year	N/A	N/A	N/A	0
Total Real Return Allocation return should compare favorably to the KRS Pension Real Return Custom Benchmark on a risk-adjusted basis, as measured by Sharpe ratio.	5-Year	-0.13	-0.26	Above Target	0
	10-Year	N/A	N/A	N/A	0

KRS Cash					
Standard Measurement		**KRS**	**Index**	**Result**	**Times Out of Compliance (Past 4 Qtrs.)**
Short-Term:					
For periods less than five years or a full market cycle, return should exceed the Citi Group 3 Month -bill Index.	3-Year	2.09	1.74	Above Target	0
Long-Term: (5 & 10 Years)					
Return should exceed the Citi Group 3 Month -bill Index.	5-Year	1.51	1.12	Above Target	0
	10-Year	0.97	0.60	Above Target	0
	20-Year	2.08	1.64	Above Target	0
Volatility, as measured by the standard deviation of monthly returns, should be comparable to that of the Index within a 10 percent range.	5-Year	0.34	0.25	Outside Range	4
	10-Year	0.32	0.23	Outside Range	4

Portfolio Compliance Guidelines

• Securities issued by the state of Kentucky, its subsidiaries or affiliates are prohibited.	In Compliance
• The amount of stock in the domestic or international equity allocation in any single corporation shall not exceed 5% of the aggregate market value of the System's assets.	In Compliance
• The amount of stock held in domestic or international equity allocation shall not exceed 3% of the shares outstanding of any corporation.	In Compliance
• The amount of stock in any one industry in the domestic equity allocation shall not exceed 10% of the aggregate market value of the System's assets.	In Compliance
• Investment on "frontier" markets shall not exceed 10% of the System's international equity assets.	In Compliance
• The duration of the total fixed income portfolio shall not deviate from the KRS Fixed Income Index by more than 25%.	In Compliance
• The duration of the TIPS portfolio shall not deviate from the Barclay's TIPS Index by more than 10%.	**Not In Compliance**
• The amount invested in the debt of a single corporation shall not exceed 5% of the total market value of the System's Assets.	In Compliance
• No public fixed income manager shall invest more than 5% of the total market value of assets held in any single issue short-term instruments, with the exception of U.S. Government issued, guaranteed or agency obligations.	In Compliance
• 50% of the fixed income assets must have liquidity that is T+3 (trade date plus three days) settlement or better.	In Compliance
• For the S&P 500 portfolio, securities must be in the S&P 500.	**Not In Compliance**

As indicated above, there were Public Equities that did not comply with the policy that S&P securities must be held in the S&P 500. The exceptions were due to spin-offs, mergers, and loss of market capitalization.

Most holdings come into compliance following rebalancing. The deviation of the TIPS portfolio from the Barclay's index was triggered by a poorly performing manager that created a drag on performance.

This is presented for informational purposes only.

No action is required of the Committee.