

University of Illinois
First Quarter 2014 Investment Update
Board Report

Reported to the Board of Trustees July 24, 2014

May 2014

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## **Market Overview and University Assets**

# Capital Markets Review March 31, 2014

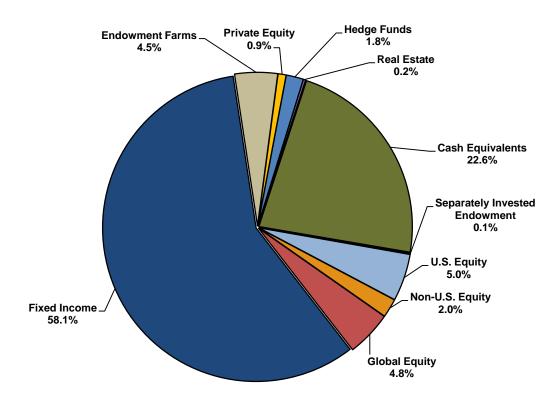
	First Quarter	One Year	Three Years	Five Years	Ten Years
DJ U.S. Total Stock Market Index	2.0	22.6	14.6	22.0	8.0
MSCI All Country World ex-U.S. Index	0.5	12.3	4.1	15.5	7.1
MSCI All Country World Index	1.1	16.6	8.6	17.8	7.0
Barclays Aggregate Bond Index	1.8	-0.1	3.7	4.8	4.5
HFR Fund of Funds Index	0.4	5.9	2.3	4.9	3.1
NCREIF ODCE Index	2.2	12.7	12.0	6.3	6.2
NCREIF Cornbelt Index	0.0	20.4	21.4	17.2	

- The first quarter of 2014 was volatile for equities. Much of the volatility was driven by economic uncertainty in the U.S., the impact of the unusually harsh winter, the escalation of the Ukraine/Russia confrontation, and continuing concerns over the Chinese economy. The market finished the quarter on stronger footing as some of these tensions eased.
- The U.S. equity market gained 2.0% during the first quarter. Small cap stocks trailed the larger segments of the market while mid cap stocks outperformed large cap stocks. A clearer picture emerged across style investing as value outperformed growth across all market capitalizations during the quarter.
- Outside of the US, the key developed economies have all started to recover. In Japan, ultra-loose monetary policy and a reform minded government were important. In the UK, a rebounding housing market and rising consumer confidence were factors. Meanwhile, in Europe, the easing of crisis conditions has clearly been a positive.
- Emerging markets underperformed once again but the degree of underperformance was lessened greatly by a strong surge in mid-March as crisis conditions eased.
- In the U.S. bond market, the Federal Reserve finally started to taper its Quantitative Easing purchases in December and has been reducing them by \$10bn consistently each meeting.
- The Treasury yield curve flattened during the first quarter, driven by long bond yields falling through much of the quarter. The fall in long yields was a function of a generally "risk off" environment driven by economic uncertainty world-wide.



## University Assets: March 31, 2014

## University Of Illinois Endowment & Operating Assets \$2.79 Billion as of 3/31/2014



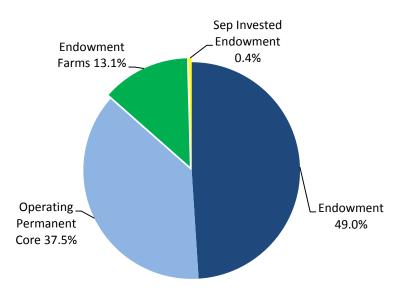
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## **Endowment Fund Update: March 31, 2014**

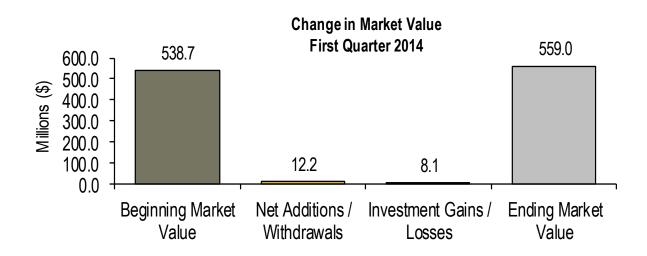
# Total Endowment Assets by Type March 31, 2014

\$646.2 Million



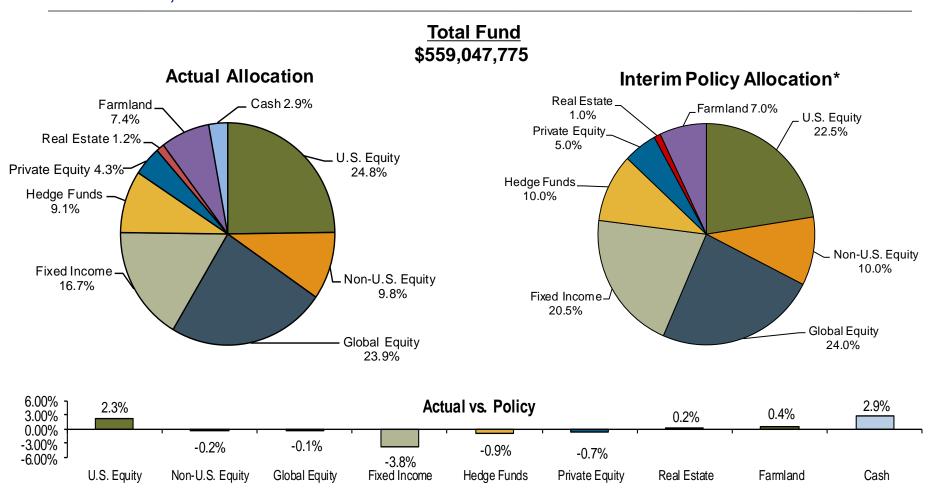
Total Endowment Fund is valued at \$646.2 million. The Operating Pool maintains a permanent core investment in the Endowment Pool (light blue slice). This is a long-term investment to enhance Operating Pool returns. The combined Endowment Pool is valued at \$559.0 million (dark and light blue pie slices) and discussed further on the following pages.

### Total Fund Asset Growth: Endowment Pool



- During the first quarter, Endowment fund assets increased by approximately \$20.3 million from \$538.7 million to \$559.0 million.
- This increase was the net result of investment gains and positive fund flows. For this period, net inflows were approximately \$12.2 million and the absolute return of 1.5% in Endowment assets resulted in investment gains of \$8.1 million.

# Market Value and Asset Allocation: Endowment Pool March 31, 2014

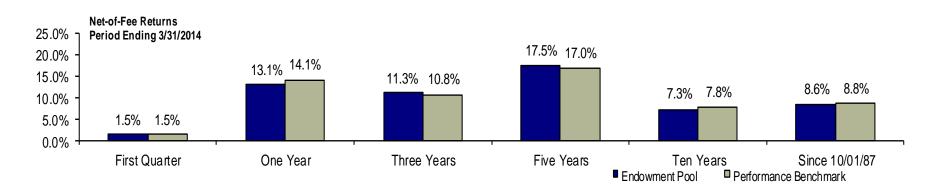


<sup>\*</sup>Long Term Policy Allocations: US Equity 14%, Non-US Equity 10%, Global Equity 24%, Private Equity 8%, Hedge Funds 10%, Fixed Income 20%, Farmland 7%, and Core Real Estate 7%

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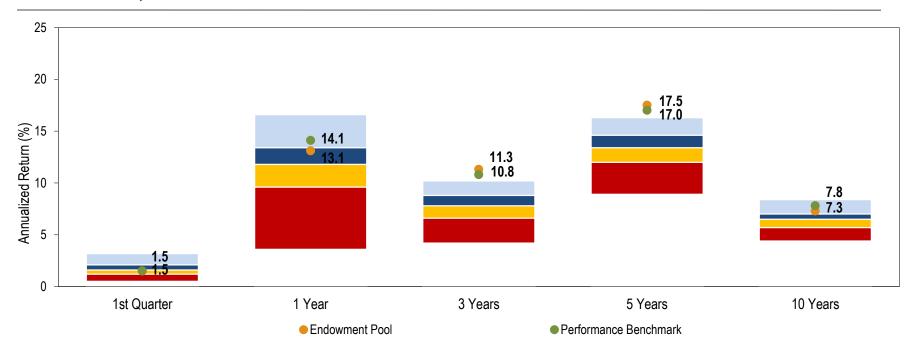
# Total Fund Performance: Endowment Pool March 31, 2014



- Endowment Pool gained 1.5 percentage points and performed in line with the benchmark.
  - The U.S. Equity investments underperformed the Dow Jones U.S. Total Stock Market Index by 80 bps during the quarter, returning 1.2%.
  - During this same time period the Pool's Non-U.S. and Global equity investments exceeded the performance of their benchmarks by 30 and 60 bps, respectively.
  - The fixed income portfolio slightly lagged the benchmark, returning 1.6%.
  - The Endowment's Hedge Fund component lagged the benchmark by 120 basis points, returning -0.1%.
- Over the trailing one-year period, the Endowment Pool gained 13.1% and underperformed its benchmark by 100 basis points. Strong relative performance from Global Equity, was offset primarily by poor relative performance from Private Equity, Hedge Funds, and Farmland.



# Peer Rankings: Endowment Pool March 31, 2014



Returns/Ranks	1st Q	uarter	1 Y	ear	3 Ye	ears	5 Ye	ears	10 Y	ears
Endowment Pool	1.5	60	13.1	29	11.3	2	17.5	2	7.3	19
Benchmark	1.5	55	14.1	17	10.8	3	17.0	3	7.8	14

Over the trailing one-year time period, the return of the University of Illinois' Endowment Pool
ranked in the top 29% of the Investment Metrics / BNY Mellon Endowment Fund and Foundation
Universe returns, and the three- and five-year returns ranked in the top 2% of the universe.

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# Asset Class Performance March 31, 2014

	First Quarter	One Year	Three Years	Five Years	Ten Years	Inception
Endowment Pool	1.5	13.1	11.3	17.5	7.3	8.6
Performance Benchmark	1.5	14.1	10.8	17.0	7.8	8.8
Total U.S. Equity	1.2	22.5	15.0	22.9	7.9	9.3
Dow Jones U.S. Total Stock Market Index	2.0	22.6	14.6	22.0	8.0	9.4
Total Non-U.S. Equity	0.8	12.4	5.2	14.1	6.5	5.9
MSCI All Country World ex-U.S. Index	0.5	12.3	4.1	15.5	7.1	6.0
Total Global Equity	1.7	17.2				19.5
MSCI All Country World Index	1.1	16.6				19.4
Total Fixed Income	1.6	-0.4	4.7	12.1	5.5	7.6
Barclays Aggregate Bond Index	1.8	-0.1	3.7	4.8	4.5	7.0
Total Hedge Funds	-0.1					2.1
HFRI Fund Weighted Composite Index	1.1					5.3
Total Private Equity <sup>(1)</sup>	5.7	11.8	7.6	8.6	0.0	0.0
Private Equity Benchmark	2.8	26.2	18.0	25.6	11.3	11.4
Total Real Estate	10.0					12.8
MSCI US REIT	10.0					12.8
Total Farmland <sup>(2)</sup>	0.0	16.1	27.5	19.6		14.6
NCREIF Cornbelt Index	0.0	20.4	21.4	17.2		14.5

<sup>(1)</sup> The combined Adams Street Partners IRR at 12/31/2013 was 8.1%.

<sup>(2)</sup> Farmland is valued annually on June 30th. As such, the one year return reflected above is the one-year return for Farmland as of June 30th, 2013.

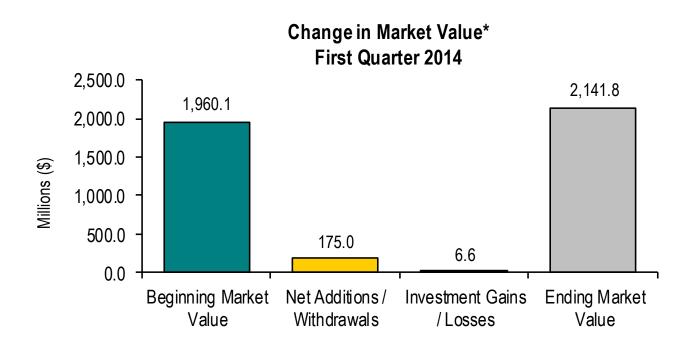


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## **Operating Pool Update: March 31, 2014**

## **Total Fund Asset Growth: Operating Pool**

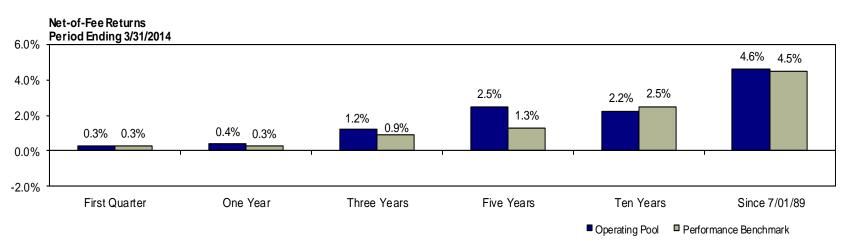


 During the first quarter, the Operating Pool assets increased by approximately \$181.7 million from \$1.960 billion to \$2.142 billion. This increase was the result of \$175.0 million in net inflows and transfers. The Operating Pool had investment gains of \$6.6 million during the period.

<sup>\*</sup> The Total Fund's beginning and ending market values include bank balances in which the University earns credit to offset fees.

# Total Fund Performance: Operating Pool March 31, 2014



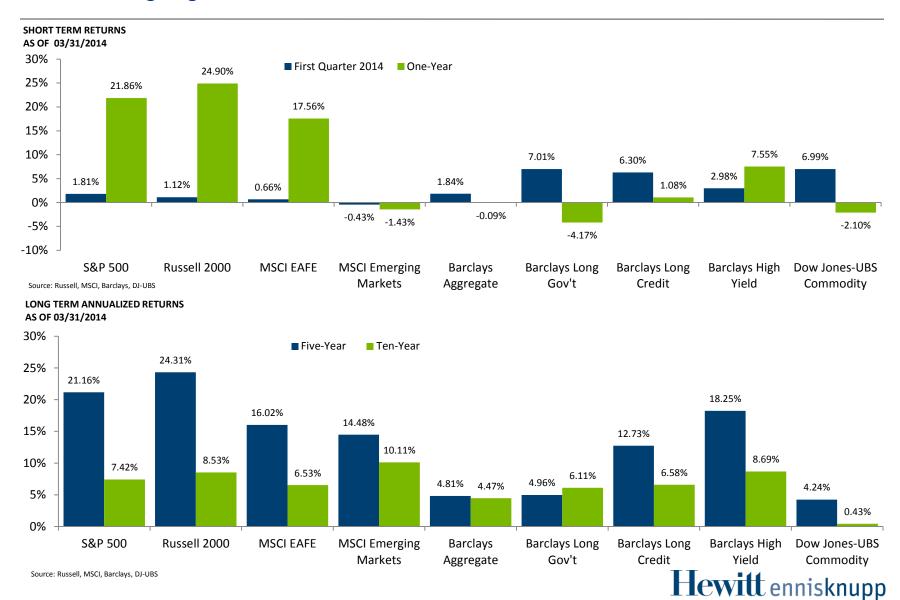


The Operating Pool returned 0.3% during the first quarter, matching the benchmark return for this time period. The majority of the managers matched or outperformed their respective benchmarks during the quarter. (This page left blank intentionally)

## **Appendix:**

## **Market Environment**

## Market Highlights



## Market Highlights

Returns of the Major Capital Markets							
					Periods Ending 03/31/2014		
	First Quarter	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year¹		
Equity							
MSCI All Country World IMI	1.3%	17.1%	8.7%	18.5%	7.3%		
MSCI All Country World	1.1%	16.6%	8.6%	17.8%	7.0%		
Dow Jones U.S. Total Stock Market	2.0%	22.6%	14.6%	22.0%	8.0%		
Russell 3000	2.0%	22.6%	14.6%	21.9%	7.9%		
S&P 500	1.8%	21.9%	14.7%	21.2%	7.4%		
Russell 2000	1.1%	24.9%	13.2%	24.3%	8.5%		
MSCI All Country World ex-U.S. IMI	0.9%	12.8%	4.3%	16.2%	7.4%		
MSCI All Country World ex-U.S.	0.5%	12.3%	4.1%	15.5%	7.1%		
MSCI EAFE	0.7%	17.6%	7.2%	16.0%	6.5%		
MSCI EAFE (Local Currency)	-0.3%	15.4%	8.9%	13.7%	5.5%		
MSCI Emerging Markets	-0.4%	-1.4%	-2.9%	14.5%	10.1%		
Fixed Income							
Barclays Global Aggregate	2.4%	1.9%	2.8%	5.1%	4.5%		
Barclays Aggregate	1.8%	-0.1%	3.8%	4.8%	4.5%		
Barclays Long Gov't	7.0%	-4.2%	8.2%	5.0%	6.1%		
Barclays Long Credit	6.3%	1.1%	9.2%	12.7%	6.6%		
Barclays Long Gov't/Credit	6.6%	-0.9%	9.0%	9.1%	6.5%		
Barclays US TIPS	2.0%	-6.5%	3.5%	4.9%	4.5%		
Barclays High Yield	3.0%	7.5%	9.0%	18.2%	8.7%		
SSB Non-U.S. WGBI	3.2%	2.4%	1.4%	4.1%	4.3%		
JP Morgan EMBI Global (Emerging Markets)	3.5%	-1.1%	7.2%	11.5%	8.3%		
Commodities							
Dow Jones-UBS Commodity	7.0%	-2.1%	-7.4%	4.2%	0.4%		
Goldman Sachs Commodity	2.9%	1.1%	-3.4%	6.8%	0.0%		
Hedge Funds							
HFRI Fund-Weighted Composite <sup>2</sup>	1.1%	6.5%	3.0%	7.9%	5.4%		
HFRI Fund of Funds <sup>2</sup>	0.2%	5.7%	2.3%	4.8%	3.1%		
Real Estate							
NAREIT U.S. Equity REITS	8.5%	3.3%	10.4%	28.3%	8.3%		
NCREIF ODCE <sup>3</sup>	2.5%	13.7%	13.0%	7.3%	7.2%		
Private Equity							
Thomson Reuters VentureXpert <sup>4</sup>	4.9%	16.9%	14.4%	10.0%	19.9%		
Infrastructure							
Macquarie Global Infrastructure - North America	7.9%	9.2%	13.7%	17.6%	10.9%		

MSCI Indices show net returns.

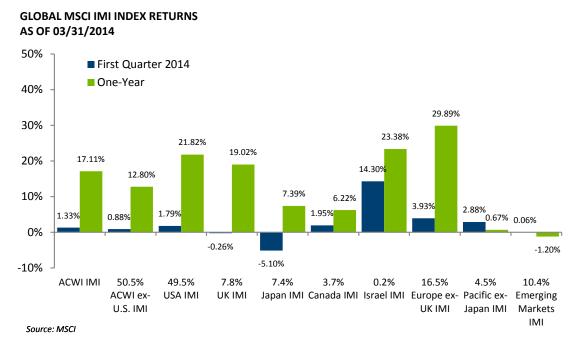
All other indices show total returns.

<sup>&</sup>lt;sup>1</sup> Periods are annualized.

 $<sup>^2</sup>$  Latest 5 months of HFR data are estimated by HFR and may change in the future.  $^3$  Quarter results are preliminary.

<sup>&</sup>lt;sup>4</sup> Benchmark is as of 09/30/2013.

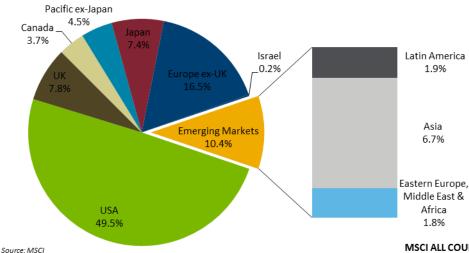
## Global Equity Markets



- Global equities, with the exception of the U.K. and Japan, increased in value during the first quarter of 2014.
- The first quarter of 2014 was volatile for equities. Much of the volatility was driven by economic uncertainty in the U.S., the impact of the unusually harsh winter, the escalation of the Ukraine/Russia confrontation, and continuing concerns over the Chinese economy. The market finished the quarter on stronger footing as some of these tensions eased.
- During the quarter, Europe ex-U.K. proved to be the best performing major equity region; the worst performing market was Japan.

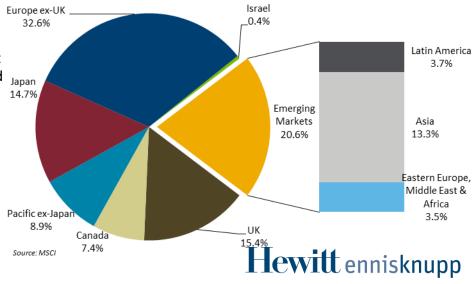
## **Global Equity Markets**

#### MSCI ALL COUNTRY WORLD IMI INDEX GEOGRAPHIC ALLOCATION AS OF 03/31/2014

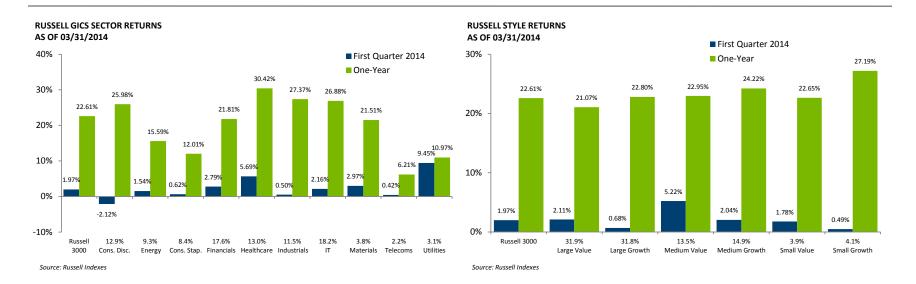


The two exhibits on this slide illustrate the percentage that each country/region represents of the global equity market as measured by the MSCI All Country World IMI Index and the MSCI All Country World ex-U.S. IMI Index.

#### MSCI ALL COUNTRY WORLD EX-U.S. IMI INDEX GEOGRAPHIC ALLOCATION AS OF 03/31/2014



## U.S. Equity Markets

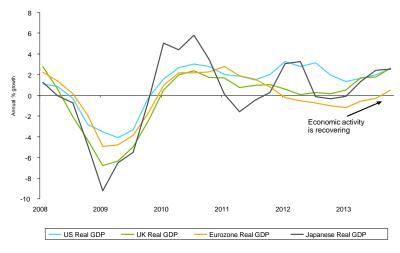


- The Russell 3000 Index generated a 1.97% return during the quarter and returned 22.61% over the one-year period.
- During the first quarter, the Utilities and Healthcare sectors were the best performers, posting returns of 9.45% and 5.69%, respectively. The Consumer Discretionary and Telecom sectors were the worst performers, producing returns of -2.12% and 0.42%, respectively.
- Performance across the market capitalization spectrum was mixed over the quarter. Small cap stocks trailed the larger segments of the market while mid cap stocks outperformed large cap stocks. A clearer picture emerged across style investing as value outperformed growth across all market capitalizations.

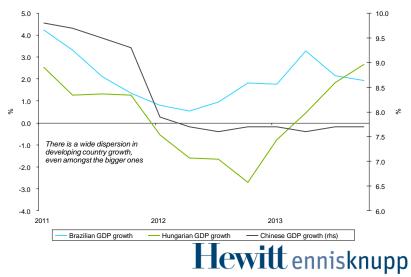
## Global Economic Progress

- Outside of the US, the key developed economies have all started to recover. This now includes Europe, which had been struggling with successive crises in its Southern region (see top chart).
- The underlying causes for the upswing are diverse. In Japan, ultra-loose monetary policy and a reform minded government were important. In the UK, a rebounding housing market and rising consumer confidence were factors. Meanwhile, in Europe, the easing of crisis conditions has clearly been a positive.
- This is not to say that we expect future developed country growth to be very strong, however, because many key problems have yet to be resolved. These include the still over indebted banking sector in Europe, a lack of salary growth in the UK and a rise in long term unemployment in the US.
- As for emerging markets, while they have yet to turn a corner on an overall basis so far, some countries are starting to do better, including Brazil and Hungary (see bottom chart).
- We still think that there are near term risks from rising US interest rates and the structural reorientation of the Chinese economy, but these signs of recovery are welcome.

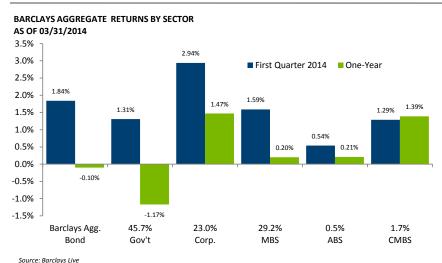
#### Economic growth is improving across the developed world

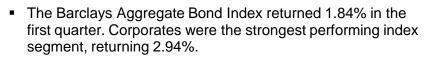


#### Some emerging market economies are beginning to rebound

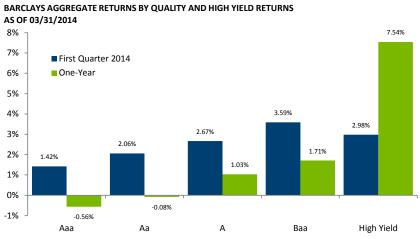


### U.S. Fixed Income Markets

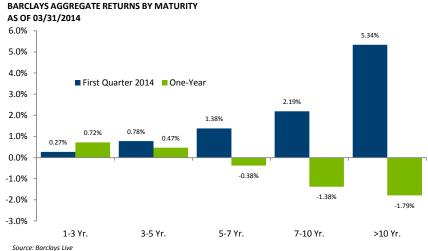




- In the investment grade market, lower quality bonds outperformed higher quality bonds.
- High yield bonds performed more or less in line with investment grade bonds.
- Driven by a sharp decline in long dated Treasury yields, long duration bonds outperformed shorter duration bonds.

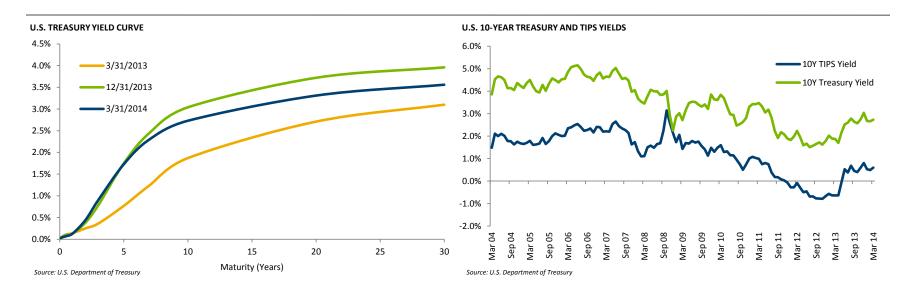


Source: Barclays Live





### U.S. Fixed Income Markets

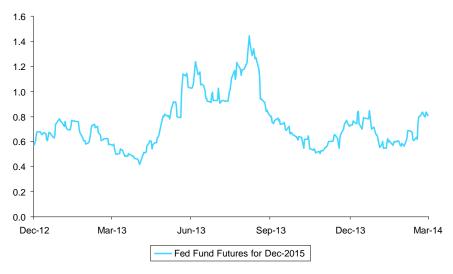


- The Treasury yield curve flattened during the first quarter, driven by long bond yields falling through much of the quarter. The fall in long yields was a function of a generally "risk off" environment driven by economic uncertainty in the US, impact of the unusually harsh winter, escalation of the Ukraine/Russia confrontation, and continuing concerns over the Chinese economy.
- The 10-year U.S. Treasury yield ended the quarter at 2.73%, 31 basis points lower than its level at the beginning of the quarter.
- 10-year TIPS yields fell by 20 basis points over the quarter and ended the quarter at 0.60%.

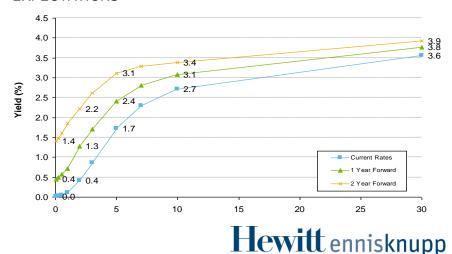
### Interest Rate Environment

- As was long trailed last year, the Federal Reserve finally started to taper its Quantitative Easing purchases in December and has been reducing them by \$10bn consistently each meeting.
- With the size of QE now down to \$55bn from \$85bn at the start of tapering, one could reasonably think that market expectations of rising interest rates would be brought forward. But this process was halted in Q1.
- The weaker US economic data and issues elsewhere actually caused a relatively sharp fall in interest rate expectations early in the quarter, before they rebounded in late March. Overall, interest rate expectations were little changed for the period as a whole (top chart).
- These lower expectations were also reflected in the yield curve, which flattened as longer duration rates fell back (bottom chart).
- We will need to wait for developments over the next few months to see whether movements in Q1 were merely a temporary phenomenon or something more longer lasting.

#### Monetary policy tightening expectations checked this quarter



## CURRENT TREASURY CURVE AND FORWARD RATE EXPECTATIONS



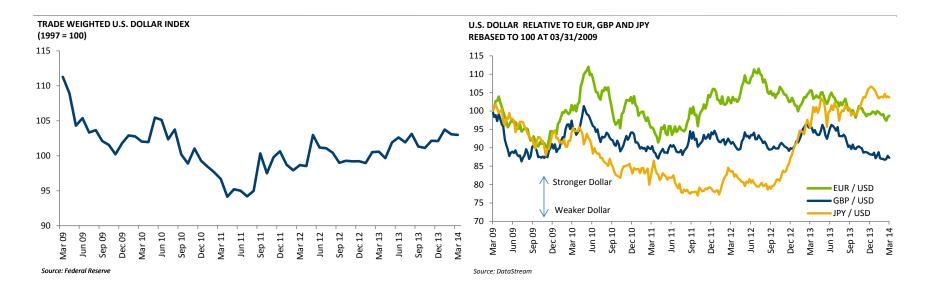
## **Credit Spreads**

Spread (bps)	3/31/2014	12/31/2013	3/29/2013	Quarterly Change (bps)	1-Year Change (bps)
U.S. Aggregate	44	45	56	-1	-12
Long Gov't	5	6	4	-1	1
Long Credit	155	158	183	-3	-28
Long Gov't/Credit	102	105	113	-3	-11
MBS	38	34	58	4	-20
CMBS	107	126	133	-19	-26
ABS	50	55	49	-5	1
Corporate	106	114	139	-8	-33
High Yield	358	382	457	-24	-99
Global Emerging Markets	294	298	287	-4	7

Source: Barclays Live

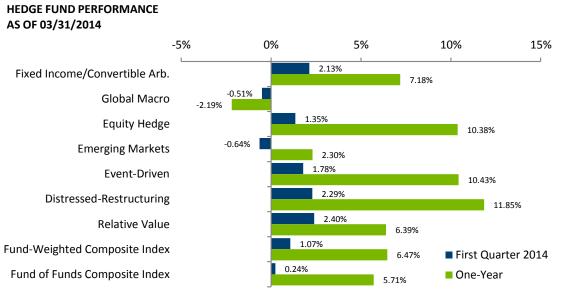
- During the first quarter, credit spreads fell across most areas of the bond market; the exception segment was Mortgage Backed Securities.
- High yield bond spreads (-24 basis points) fell by the most over the quarter, followed by CMBS (-19 bps).

## Currency



- As measured through the broad trade weighted U.S. dollar index, the U.S. dollar modestly appreciated during the quarter.
- Across the major currency pairs, the dollar weakened through the first quarter.
- The discrepancy between the strengthening dollar on a trade weighted basis and weakening against the major currency pairs is due to the currency exposures in the trade weighted index.

### Hedge Fund Markets Overview

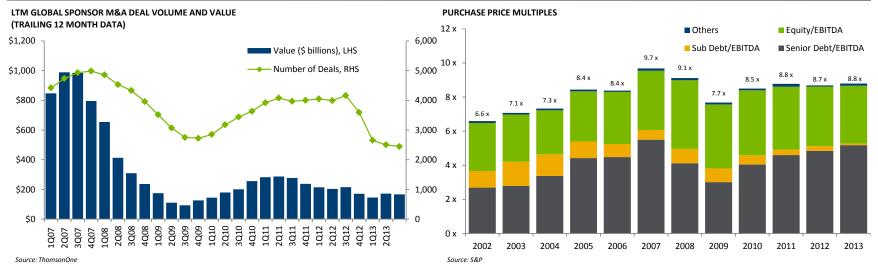


Note: Latest 5 months of HFR data are estimated by HFR and may change in the future.

Source: HFR

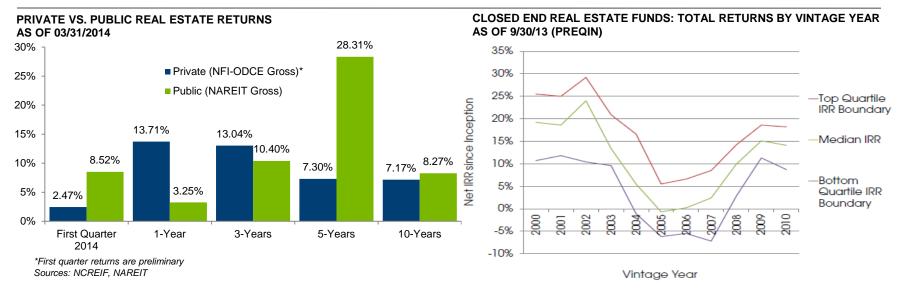
- Hedge fund performance was mixed over the quarter.
- The HFRI Fund-Weighted Composite Index and the HFRI Fund of Funds Composite Index produced returns of 1.07% and 0.24%, respectively, during the quarter.
- Relative Value and Distressed-Restructuring strategies were the strongest performers during the quarter, gaining 2.40% and 2.29%, respectively.

## Private Equity Market Overview



- Fundraising: \$314 billion closed during 2013, a 17% increase over the prior year and 5% above the ten year average level of \$300 billion. While well below the peak pre-crisis levels (\$490B) it is approaching the higher end of reasonable levels. Dry powder has increased to an estimated \$890 billion, less than 1% below the 2008 peak.
- **Buyout:** Activity has increased since last quarter; \$235 billion of global sponsor-backed M&A deals closed in 2013. This is a 37% increase over the prior year and 14% above that of the five year average. 2013 purchase price multiples (PPMs) increased to 8.8x EBITDA from 8.7x the previous year. European PPMs were still below their ten year averages.
- Venture: Investment activity rose during 4Q 2013 to \$8.4 billion in 1,077 deals vs. \$7.9 billion in 1,032 deals in 3Q. 2013 activity ended slightly above that of 2012 by number of deals and by capital. Exit activity continues to be low but shows some signs of improvement, especially amongst IPO's.
- Mezzanine: Mezzanine lenders continue to raise capital with 2013 levels being 42% above the ten year average, but are having trouble deploying capital.
   Estimated dry powder is \$42.6 billion; funds are requesting investment period extensions.
- **Distressed Debt:** Activity continues to be subdued and is expected to continue in this manner. Credit health is being maintained by covenant lite structures, plenty of available capital for refinance, and growing GDP. Increased leverage on current deals may result in more distressed opportunities in a couple of years.
- Secondaries: 2013 funds raised totaled \$17 billion, 84% of that raised in 2012. Dry powder stands at ~\$42 billion, 2x the average annual deployment rate over the last seven years. Transaction activity was \$26.5 billion, the second highest level recorded and is expected to remain high in 2014. Average discounts finished the year 8.3%, and high quality funds can trade at a premium.
- **Infrastructure:** Funds raised in 2013 increased by over 30% over those seen in 2012. While there is strong investor appetite, the number of funds in the market is at an all-time high, causing fundraising to be extremely competitive. 2013 investment activity declined slightly compared to that of 2012.

### U.S. Commercial Real Estate Markets



- Total returns in private commercial real estate moderated slightly in 1Q\*, a welcome sign after 2013's resurgence. Despite still robust capital flows, the Core recovery is mature--and in many coastal markets fully valued--thus expect a resumption of moderating total return trends going forward. PREA's consensus forecast of the NPI for 2014 is 8.7%---back in line with the sector's long run average.
- U.S. REITs had a very strong start to 2014 up 10.0% in 1Q; a decline in Treasury yields and continued strength in operating fundamentals helped spur the rally. In addition, REITs have enjoyed very low debt financing costs in recent years which has helped leverage returns; new 10-year debt was obtained at an average rate of around 4.0% in 2012 and 2013; compared to 5.4% in 2011, 6.3% in 2010 and 7.6% in 2009. Above average volatility is expected to persist due to non real estate factors influencing broader equity market trends.
- Sector fundamentals continue to rebound more widely, helping to support and expand current pricing. Non Core investments should disproportionally benefit as value enhancement strategies are executed (e.g. leasing, repositioning, select development). Metro areas significantly supported by technology, healthcare and energy sectors are expected to continue to outperform.
- In particular, growth in rental rates, which has been modest to-date in all property types except apartments, have plenty of room for improvement. Above average net operating income growth should present itself as excess space continues to be absorbed—creating on-going attractive cash flow yields--even in the Core sector.
- New supply is expected to rise across most property types, albeit still quite modestly with the exception of the apartment sector. While the demand/supply
  gap should remain favorable for most property types near term, market select will become even more important as the supply cycle ramps up.
- Rising interest rates should be monitored. While gains in sector fundamentals will help offset rising rates, the offset will not be complete. Portfolio structure
  and other long term risk mitigation measures are important to managing liquidity and interest rate sensitivities.



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## **Explanatory Notes**

## **Explanatory Notes**

<u>Note:</u> Market values are used in this report to calculate performance for the Endowment and Operating pools. Market values reflect trade date accounting provided by the custodial bank Northern Trust.

Non-U.S. Equity Benchmark – The non-U.S. Equity asset class benchmark has remained the MSCI ACWI ex-U.S. Index, despite the underlying strategy moving to the MSCI ACWI ex-U.S. IMI Index, because it is the benchmark identified in the Endowment Investment Policy Statement (IPS) for this asset class. These indices are very similar. The MSCI ACWI ex-U.S. IMI Index includes a very small (12.7%) diversifying allocation to small international companies that are not included in the MSCI ACWI ex-U.S. Index.

<u>Peer Universe Comparison Floating Bar Chart</u> – In this chart the universe returns are shown in percentiles, with the lowest percentile/rank representing the best performance in that time period. The shaded blocks shown for each time period represent the range of returns in the peer universe from the 95<sup>th</sup> percentile to the 5<sup>th</sup> percentile. Returns below the red boxes fall in the worst 5 percent for that period, and returns above the light blue boxes fall in the top 5 percent. The Investment Metrics / BNY Mellon Universe includes reported performance from 516 Endowment and Foundations. The average market value within the Endowment and Foundations universe was \$876.3 million as of quarter-end.