



Nebraska Investment Council

Alternative Investment Performance Supplement
Data as of 12/31/2016

Aon Hewitt
Retirement and Investment

Investment advice and consulting services provided by Aon Hewitt Investment Consulting, Inc., an Aon Company.

AON
Empower Results®

Overview

- The state of Nebraska's Defined Benefit Plan, Cash Balance Benefit Plan, and Health Care and 50/50 Endowments invest in Private Equity and Real Estate
 - 5% policy target to Private Equity (all pools)
 - 7.5% policy target to Real Estate for DB and CBB Plans, 5% policy target to Real Estate for endowments
- The slides that follow include vintage year and partnership level performance information for these investments
- As private market investments are not valued as frequently as public market investments, performance information is reported on a time lag
 - All information presented in this presentation is as of December 31, 2016

Real Estate – DB/CBB & Endowment Performance Summary by Vintage Year

Vintage Year Performance – DB/CBB

Vintage Year	Number of Investments	Commitment	Unfunded Commitment	Cumulative Paid-In	Cumulative Distributions	Net Asset Value	Total Value	Return Multiples		
								DPI ¹	TVPI ²	IRR
2004	0	\$0	\$0	\$183,528,392	\$226,385,612	\$0	\$226,385,613	1.23x	1.23x	11.69%
2006	2	250,000,000	0	261,771,240	81,789,040	338,320,510	420,109,550	0.31x	1.60x	5.28%
2007	4	125,250,000	4,252,500	125,424,788	78,967,030	78,080,761	157,047,790	0.63x	1.25x	5.15%
2008	2	50,000,000	1,011,204	50,922,170	49,965,014	20,972,056	70,937,069	0.98x	1.39x	7.81%
2010	2	150,000,000	4,909,392	145,090,608	60,835,218	158,825,208	219,660,426	0.42x	1.51x	13.28%
2011	1	25,000,000	3,854,470	23,683,278	19,402,243	16,513,317	35,915,560	0.82x	1.52x	16.76%
2012	1	20,000,000	5,287,347	15,715,603	5,272,514	15,541,366	20,813,880	0.34x	1.32x	15.04%
2013	1	20,000,000	0	20,000,001	3,682,738	20,863,608	24,546,346	0.18x	1.23x	9.30%
2014	1	50,000,000	20,787,974	29,212,026	7,688,370	28,152,357	35,840,727	0.26x	1.23x	27.40%
2015	3	140,000,000	56,892,991	82,788,990	2,711,111	91,238,199	93,949,309	0.03x	1.13x	9.55%
2016	1	40,000,000	32,633,759	7,366,241	6,155	6,903,805	6,909,959	0.00x	0.94x	-11.32%
Total	18	\$870,250,000	\$129,629,637	\$945,503,337	\$536,705,044	\$775,411,185	\$1,312,116,230	0.57x	1.39x	7.12%

- Vintage years and investment types largely drive performance
- The 2004 vintage year consists of 100% REIT investments
- The 2006 vintage year consists of 100% open-end diversified Core equity funds

Vintage Year Performance -- Endowment

Vintage Year	Number of Investments	Commitment	Unfunded Commitment	Cumulative Paid-In	Cumulative Distributions	Net Asset Value	Total Value	Return Multiples		
								DPI ¹	TVPI ²	IRR
2008	1	\$20,000,000	\$1,615,289	\$18,288,538	\$22,827,893	\$5,944,556	\$28,772,449	1.25x	1.57x	11.76%
2009	1	10,000,000	1,299,257	8,629,591	5,877,981	4,520,996	10,398,977	0.68x	1.21x	5.86%
2010	3	26,000,000	0	26,000,000	4,791,037	36,440,620	41,231,657	0.18x	1.59x	10.94%
2014	1	7,500,000	3,118,196	4,381,804	1,150,802	4,222,853	5,373,655	0.26x	1.23x	28.43%
2015	1	10,000,000	5,566,951	4,425,205	0	4,750,251	4,750,251	0.00x	1.07x	14.32%
2016	1	6,000,000	0	6,000,000	96,704	6,234,998	6,331,702	0.02x	1.06x	5.59%
Total	8	\$79,500,000	\$11,599,693	\$67,725,138	\$34,744,416	\$62,114,275	\$96,858,691	0.51x	1.43x	10.84%

- 2008 consists of the domestic fund of funds, which has performed well early in its term
- 2009 is primarily weighted to the international fund of funds which is still relatively early in its term and still experiencing the J-curve effect
- 2010 consists of Core investments and have benefited from a positively timed entry into the market

¹ DPI is the ratio of Cumulative Distributions to Cumulative Paid-In

² TVPI is the ratio of Total Value to Cumulative Paid-In

Aon Hewitt

Retirement and Investment

Real Estate -- DB/CBB Portfolio Time-Weighted Performance¹ by Investment

Partnership Name	Style	Investment Vehicle	Commitment	Net Asset Value	Time-Weighted Returns					
					Current Quarter	1 Year	3 Year	5 Year	Since Inception	Inception Date
Prudential Property Investment Separate Account	Core	Open end	\$135,000,000	\$182,723,371	2.24%	8.01%	11.67%	11.50%	5.24%	3/31/2006
UBS Trumbull Property Fund	Core	Open end	115,000,000	155,597,139	1.21%	6.15%	9.47%	9.34%	5.42%	6/30/2006
Barings Core Property Fund	Core	Open end	110,000,000	144,628,635	2.10%	8.98%	10.37%	10.29%	11.32%	11/10/2010
UBS Trumbull Property Income Fund	Core	Open end	60,000,000	66,251,415	1.52%	7.92%	N/A	N/A	9.37%	4/1/2015
Core			420,000,000	549,200,560	1.82%	7.72%	10.63%	10.47%	5.59%	3/31/2006
Prudential Property Investment Separate Account II	Core Plus	Open end	51,500,000	73,251,357	2.47%	9.64%	13.04%	13.24%	2.66%	6/29/2007
Core-Plus			51,500,000	73,251,357	2.47%	9.64%	13.04%	13.24%	2.66%	6/29/2007
Beacon Capital Strategic Partners Fund V, L.P.	Value Added	Closed end	23,750,000	1,240,272	5.73%	-14.86%	1.19%	2.28%	-10.55%	8/24/2007
Heitman Value Partners Fund II, L.P.	Value Added	Closed end	25,000,000	831,759	-3.13%	8.21%	16.14%	18.89%	0.91%	11/5/2007
Almanac Realty Securities Fund V, L.P.	Value Added	Closed end	25,000,000	6,054,505	4.78%	7.71%	8.93%	11.54%	7.34%	5/12/2008
Rockwood Capital Real Estate Partners Fund IX, L.P.	Value Added	Closed end	20,000,000	15,541,366	2.31%	10.69%	15.81%	N/A	N/A	12/28/2012
Almanac Realty Securities Fund VII, L.P.	Value Added	Closed end	40,000,000	14,127,073	3.42%	9.24%	N/A	N/A	7.53%	4/24/2015
Rockwood Capital Real Estate Partners Fund X, L.P.	Value Added	Closed end	40,000,000	6,903,805	-7.84%	N/A	N/A	N/A	33.83%	9/7/2016
Value Added			173,750,000	44,698,779	1.77%	7.53%	12.35%	13.88%	-1.70%	8/24/2007
Rockpoint Real Estate Fund III, L.P.	Opportunistic	Closed end	25,000,000	2,757,373	1.59%	-4.25%	2.65%	8.38%	N/A	9/28/2007
CB Richard Ellis Strategic Partners U.S. Opportunity Fund V, L.P.	Opportunistic	Closed end	25,000,000	14,917,551	5.05%	-2.88%	14.14%	11.51%	-22.35%	8/13/2008
Landmark Real Estate Partners VI, L.P.	Opportunistic	Closed end	40,000,000	14,196,573	-1.06%	-1.13%	9.26%	12.80%	35.71%	5/19/2010
AG Realty Fund VIII, L.P.	Opportunistic	Closed end	25,000,000	16,513,317	0.75%	13.83%	17.72%	14.71%	14.71%	1/23/2012
Torchlight Debt Opportunity Fund IV	Opportunistic	Closed end	20,000,000	20,863,608	4.83%	9.97%	9.86%	N/A	8.14%	10/10/2013
Landmark Real Estate Partners VII, L.P.	Opportunistic	Closed end	50,000,000	28,152,357	1.56%	4.54%	N/A	N/A	46.71%	9/12/2014
Torchlight Debt Opportunity Fund V	Opportunistic	Closed end	40,000,000	10,859,711	3.41%	15.21%	N/A	N/A	5.16%	6/29/2015
Opportunistic			225,000,000	108,260,490	2.32%	5.56%	14.78%	14.24%	-26.43%	9/28/2007
Total Direct RE Portfolio			\$870,250,000	\$775,411,185	1.95%	7.58%	11.55%	11.54%	5.55%	9/28/2007
NCREIF NFI-ODCE					1.88%	7.79%	11.04%	11.16%	5.54%	3/31/2006
Total Defined Benefit			\$870,250,000	\$750,832,873	1.95%	7.58%	11.55%	11.57%	7.40%	12/31/2004
Custom Benchmark					1.88%	7.79%	10.95%	10.88%	8.56%	12/31/2004

¹Returns shown are time-weighted, which ignores both the timing and magnitude of cash flows into and out of the portfolio. While time-weighted returns are commonly used as a standard measure of performance in traditional asset classes, the Internal Rate of Return ("IRR") is a better and more common measure of real estate performance

²Total Defined Benefit performance includes liquidated investments

Real Estate -- DB/CBB Evolution of Portfolio Performance

Partnership Name	Vintage Year	RE Strategy	IRR as of						TVPI as of					
			12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015	12/31/2016	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015	12/31/2016
Prudential Property Investment Separate Account	2006	Core	0.16%	1.47%	3.02%	4.06%	5.06%	5.31%	1.01x	1.08x	1.21x	1.33x	1.49x	1.58x
UBS Trumbull Property Fund	2006	Core	2.11%	3.06%	3.80%	4.50%	5.16%	5.25%	1.12x	1.20x	1.30x	1.42x	1.55x	1.63x
Barings Core Property Fund	2010	Core	17.16%	13.98%	12.75%	11.85%	12.30%	11.54%	1.19x	1.31x	1.43x	1.54x	1.38x	1.49x
UBS Trumbull Property Income Fund	2015	Core	N/A	N/A	N/A	N/A	8.84%	9.36%	N/A	N/A	N/A	N/A	1.07x	1.15x
Core			1.77%	2.97%	4.10%	4.90%	5.88%	6.09%	1.08x	1.17x	1.28x	1.40x	1.42x	1.51x
Prudential Property Investment Separate Account II	2007	Core Plus	-4.35%	-0.61%	1.97%	3.70%	6.10%	6.74%	0.86x	0.97x	1.11x	1.16x	1.29x	1.37x
Core-Plus			-4.35%	-0.61%	1.97%	3.70%	6.10%	6.74%	0.86x	0.97x	1.11x	1.16x	1.29x	1.37x
Beacon Capital Strategic Partners Fund V	2007	Value Added	-18.57%	-14.09%	-11.26%	-8.36%	-7.57%	-7.85%	0.51x	0.52x	0.56x	0.64x	0.64x	0.62x
Heitman Value Partners Fund II	2007	Value Added	-10.70%	-0.69%	5.18%	7.32%	8.35%	8.53%	0.83x	0.98x	1.18x	1.32x	1.43x	1.46x
Almanac Realty Securities Fund V	2008	Value Added	7.68%	8.94%	12.56%	12.75%	11.94%	11.64%	1.09x	1.15x	1.32x	1.42x	1.44x	1.46x
Rockwood Capital Real Estate Partners Fund IX, L.P.	2012	Value Added	N/A	-86.70%	1.03%	16.87%	17.67%	15.04%	N/A	0.22x	1.01x	1.14x	1.25x	1.32x
Almanac Realty Securities Fund VII, L.P.	2015	Value Added	N/A	N/A	N/A	N/A	8.74%	10.48%	N/A	N/A	N/A	N/A	1.05x	1.11x
Rockwood Capital Real Estate Partners Fund X, L.P.	2016	Value Added	N/A	N/A	N/A	N/A	N/A	-11.32%	N/A	N/A	N/A	N/A	N/A	0.94x
Value Added			-10.34%	-3.77%	1.44%	3.79%	4.73%	4.97%	0.80x	0.90x	1.05x	1.14x	1.19x	1.19x
Rockpoint Real Estate Fund III	2007	Opportunistic	14.39%	15.02%	15.44%	15.01%	14.67%	14.18%	1.19x	1.29x	1.36x	1.37x	1.38x	1.37x
CB Richard Ellis Strategic Partners U.S. Opportunity Fund V	2008	Opportunistic	-7.72%	-2.24%	0.19%	2.67%	5.89%	5.08%	0.87x	0.94x	1.01x	1.12x	1.34x	1.32x
Landmark Real Estate Partners VI	2010	Opportunistic	60.07%	37.10%	28.48%	27.26%	23.88%	21.41%	1.42x	1.58x	1.50x	1.62x	1.63x	1.58x
AG Realty Fund VIII	2011	Opportunistic	N/A	12.49%	13.41%	14.35%	17.09%	16.76%	N/A	1.09x	1.16x	1.25x	1.42x	1.52x
Torchlight Debt Opportunity Fund IV	2013	Opportunistic	N/A	N/A	-1.94%	6.27%	8.86%	9.30%	N/A	N/A	0.97x	1.06x	1.15x	1.23x
Landmark Real Estate Partners VII, L.P.	2014	Opportunistic	N/A	N/A	N/A	38.93%	106.52%	27.40%	N/A	N/A	N/A	1.21x	1.31x	1.23x
Torchlight Debt Opportunity Fund V	2015	Opportunistic	N/A	N/A	N/A	N/A	-3.73%	10.24%	N/A	N/A	N/A	N/A	0.98x	1.09x
Opportunistic			8.78%	11.13%	11.42%	12.81%	14.11%	12.85%	1.12x	1.22x	1.25x	1.32x	1.38x	1.37x
Total Defined Benefit Portfolio			2.96%	4.19%	5.30%	6.16%	7.06%	7.12%	1.09x	1.16x	1.23x	1.30x	1.34x	1.39x

- Total portfolio performance continues to move in a positive direction
- Beacon V continues to be the most challenged fund investment, currently being held at 0.62x, this is the only non-Core investment that is projected over its life to deliver less than a 1.0x; Beacon is projecting a 0.85x

Real Estate -- Endowment Portfolio Time-Weighted Performance and Evolution of Portfolio Performance

Partnership Name	Style	Investment Vehicle	Commitment	Net Asset Value	Time-Weighted Returns					
					Current Quarter	1 Year	3 Year	5 Year	Since Inception	Inception Date
Prudential Property Investment Separate Account	Core	Open end	\$6,000,000	\$8,862,625	2.30%	8.00%	11.20%	11.21%	12.94%	12/31/2009
UBS Trumbull Property Fund	Core	Open end	8,500,000	11,921,850	1.21%	6.15%	9.47%	9.40%	10.76%	1/4/2010
Barings Core Property Fund	Core	Open end	11,500,000	15,656,146	2.10%	8.98%	10.37%	10.29%	11.31%	11/10/2010
UBS Trumbull Property Income Fund	Core	Open end	6,000,000	6,234,998	1.52%	N/A	N/A	N/A	5.59%	4/1/2016
Core			32,000,000	42,675,619	1.81%	7.83%	10.36%	10.28%	12.09%	12/31/2009
Metropolitan Real Estate Partners VI, L.P.	Opportunistic	Closed end	20,000,000	5,944,556	1.00%	6.53%	14.23%	14.22%	6.98%	12/1/2008
Metropolitan Real Estate Partners International III, L.P.	Opportunistic	Closed end	10,000,000	4,520,996	-2.43%	-2.59%	3.19%	6.48%	-20.42%	6/19/2009
Landmark Real Estate Partners VII, L.P.	Opportunistic	Closed end	7,500,000	4,222,853	1.56%	4.54%	N/A	N/A	35.56%	12/22/2014
Metropolitan Real Estate Secondaries and Co-Investments Fund, L.P.	Opportunistic	Closed end	10,000,000	4,750,251	-5.29%	1.60%	N/A	N/A	24.29%	12/30/2015
Value Added and Opportunistic			47,500,000	19,438,656	-0.91%	3.06%	12.27%	12.82%	4.87%	12/1/2008
Total Endowment Portfolio			\$79,500,000	\$62,114,275	0.95%	6.27%	11.06%	11.33%	4.25%	12/1/2008
NCREIF NFI-ODCE					1.88%	7.79%	11.04%	11.16%	4.09%	12/1/2008

Partnership Name	Vintage Year	RE Strategy	IRR as of						TVPI as of					
			12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015	12/31/2016	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015	12/31/2016
Barings Core Property Fund	2010	Core	17.14%	13.97%	12.74%	11.85%	12.23%	11.57%	1.19x	1.31x	1.43x	1.54x	1.45x	1.56x
Prudential Property Investment Separate Account	2010	Core	16.26%	11.97%	13.10%	12.84%	12.95%	11.90%	1.13x	1.11x	1.21x	1.35x	1.52x	1.63x
UBS Trumbull Property Fund	2010	Core	13.55%	10.34%	9.89%	10.08%	10.46%	9.68%	1.17x	1.13x	1.23x	1.36x	1.50x	1.58x
UBS Trumbull Property Income Fund	2016	Core	N/A	N/A	N/A	N/A	N/A	5.59%	N/A	N/A	N/A	N/A	N/A	1.06x
Core			16.21%	12.36%	11.71%	11.36%	11.71%	10.86%	1.18x	1.19x	1.29x	1.41x	1.48x	1.49x
Metropolitan Real Estate Partners VI	2008	Opportunistic	8.27%	9.10%	10.75%	11.58%	12.05%	11.76%	1.15x	1.24x	1.37x	1.47x	1.55x	1.57x
Metropolitan Real Estate Partners International III	2009	Opportunistic	-1.02%	4.40%	8.01%	7.91%	7.26%	5.86%	0.99x	1.07x	1.18x	1.22x	1.23x	1.21x
Landmark Real Estate Partners VII, L.P.	2014	Opportunistic	N/A	N/A	N/A	23.04%	132.97%	28.43%	N/A	N/A	N/A	1.21x	1.31x	1.23x
Metropolitan Real Estate Secondaries and Co-Investments Fund, L.P.	2015	Opportunistic	N/A	N/A	N/A	N/A	66.86%	14.32%	N/A	N/A	N/A	N/A	1.29x	1.07x
Value Added and Opportunistic			7.25%	8.40%	10.26%	10.97%	11.72%	10.82%	1.12x	1.20x	1.32x	1.39x	1.43x	1.38x
Total Endowment Portfolio			9.53%	9.76%	10.83%	11.14%	11.71%	10.84%	1.14x	1.20x	1.30x	1.40x	1.46x	1.43x

- Total portfolio performance continues to move in a positive direction, though returns moderated somewhat over the most recent trailing year
- The majority of the Endowment's portfolio was invested after the Global Financial Crisis and does not suffer from any real legacy investment problems

Private Equity – DB/CBB & Endowment Performance Summary by Vintage Year

Defined Benefit Portfolio

Vintage Year	Number of Investments	Total Commitments	Portfolio Returns			TVPI Quartile	IRR Quartile
			DPI ³	TVPI ⁴	IRR		
2005	1	\$50,000,000	1.03x	1.43x	7.03%	2	3
2006	2	125,000,000	0.97x	1.44x	7.68%	2	2
2007	5	103,002,649	1.03x	1.57x	11.07%	2	2
2008	5	104,500,000	0.90x	1.64x	15.82%	2	1
2009	4	70,000,000	0.53x	1.50x	11.76%	3	3
2010	2	35,000,000	0.42x	1.30x	10.36%	3	3
2011	2	35,000,000	0.83x	1.39x	16.12%	2	2
2012	5	105,000,000	0.31x	1.36x	15.33%	2	2
2013	4	87,500,000	0.15x	1.15x	8.63%	3	3
2014	5	144,599,150	0.12x	1.10x	7.79%	3	3
2015	2	45,000,000	0.00x	1.09x	9.58%	2	2
2016	3	115,070,600	0.05x	1.13x	27.73%	1	1
2017	2	100,000,000	N/A	N/A	N/A	N/A	N/A
Total Defined Benefit Portfolio	42	\$1,119,672,399	0.64x	1.40x	10.67%	N/A	N/A

Endowment Portfolio

Vintage Year	Number of Investments	Total Commitments	Portfolio Returns			TVPI Quartile	IRR Quartile
			DPI ³	TVPI ⁴	IRR		
2008	1	\$45,000,000	0.42x	1.36x	10.33%	3	2
2010	1	20,000,000	0.38x	1.64x	19.61%	2	1
2012	2	25,000,000	0.42x	1.31x	18.00%	2	2
2014	1	20,000,000	0.08x	1.07x	6.28%	3	3
2017	1	20,000,000	N/A	N/A	N/A	N/A	N/A
Total Endowment Portfolio	6	\$130,000,000	0.38x	1.38x	13.36%	N/A	N/A

- The Defined Benefit portfolio's performance continues to improve and is above the benchmark performance metrics of IRR, TVPI and DPI. Performance is currently being driven by vintage years 2008 and 2012. In addition, 6 of 12 vintage years within the portfolio are generating IRRs greater than 11.0%.
 - 2005 and 2006 vintage years, comprised of fund of funds investments, continue to realize investments as DPI increased 0.16x compared to December 31, 2015.
 - All 2008 vintage year funds are performing well, with Ares Corporate Opportunities Fund III, Quantum Energy Partners V, and CVC European Equity Partners V among the best performing with IRRs and TVPIs above 14.5% and 1.6x, respectively.
 - Vintage year 2012 is performing well with all funds generating net TVPIs and IRRs above 1.25x and 11.0%, respectively.
 - Vintage years 2014 to 2016 are too young to assess. We expect performance to increase as the underlying funds mature.
- The Endowment Portfolio, composed primarily of fund of funds, continues to mature with increased IRR and TVPI performance of 143 bps and 0.11x, respectively, year-over-year. Abbott Capital Private Equity Fund VI and RCP Fund VII continue to mature with net IRRs and TVPIs above 10.0% and 1.35x, respectively, representing an increase over the prior year.

Aon Hewitt

Retirement and Investment

See page 12 for notes

Investment advice and consulting services provided by Aon Hewitt Investment Consulting, Inc., an Aon Company.



Private Equity -- DB/CBB & Endowment Performance by Investment

Partnership Name	Vintage Year	Investment Type	Total Commitments	Unfunded Commitment	Cumulative Paid-In	Cumulative Distributions	Net Asset Value	Total Value ¹	DP ²	TVPI ³	IRR
Defined Benefit Portfolio											
TRG Growth Partnership II, L.P. ⁶	2006	Buyout - Large	\$25,000,000	\$683,404	\$24,749,075	\$21,433,437	\$10,189,213	\$31,622,650	0.87x	1.28x	5.58%
New Mountain Partners III, L.P.	2007	Buyout - Mega	25,000,000	1,868,428	25,504,984	23,747,190	21,046,453	44,793,643	0.93x	1.76x	12.85%
Presidio Partners 2007, L.P. ¹⁰	2007	Venture - Late	20,000,000	2,115,524	19,870,686	22,517,410	7,680,676	30,198,086	1.13x	1.52x	9.36%
Sun Capital Partners V, L.P.	2007	Distressed Debt	18,002,649	2,291,186	18,299,030	10,574,481	14,358,430	24,932,911	0.58x	1.36x	7.09%
The Resolute Fund II, L.P.	2007	Buyout - Large	25,000,000	3,143,060	26,318,312	24,240,535	12,936,290	37,176,825	0.92x	1.41x	9.06%
Wayzata Opportunities Fund II, L.P.	2007	Distressed Debt	15,000,000	3,000,000	17,475,000	29,628,648	2,494,265	32,122,913	1.70x	1.84x	16.34%
Accel-KKR Capital Partners III, L.P.	2008	Buyout - Medium	12,500,000	4,871,349	12,505,791	10,192,774	8,871,696	19,064,470	0.82x	1.52x	13.69%
Ares Corporate Opportunities Fund III, L.P.	2008	Distressed Debt	20,000,000	1,862,411	24,534,553	28,205,440	17,460,000	45,665,440	1.15x	1.86x	22.34%
Bridgepoint Europe IV, L.P. ⁷	2008	Buyout - Mega	26,000,000	2,166,007	24,108,066	23,759,381	12,426,225	36,185,606	0.99x	1.50x	10.68%
CVC European Equity Partners V, L.P. ⁷	2008	Buyout - Mega	26,000,000	3,528,701	28,922,704	30,442,453	16,137,224	46,579,677	1.05x	1.61x	14.96%
Quantum Energy Partners V, L.P.	2008	Energy	20,000,000	2,178,876	20,942,351	7,708,414	27,150,150	34,858,564	0.37x	1.66x	18.35%
Fulcrum Growth Partners IV, L.P.	2009	Buyout - Small	10,000,000	2,017,362	8,905,639	4,548,121	9,089,927	13,638,048	0.51x	1.53x	9.98%
Lincolnshire Equity Fund IV, L.P.	2009	Buyout - Medium	20,000,000	893,208	21,105,888	8,416,968	20,239,358	28,656,326	0.40x	1.36x	10.12%
Longroad Capital Partners III, L.P.	2009	Distressed Debt	20,000,000	11,953,855	8,046,145	3,721,239	265,959	3,987,198	0.46x	0.50x	-35.02%
New Enterprise Associates 13, L.P.	2009	Venture - Balanced	20,000,000	700,000	19,302,071	13,717,200	25,844,321	39,561,521	0.71x	2.05x	19.28%
EIF United States Power Fund IV, L.P.	2010	Energy	20,000,000	6,078,721	18,992,386	7,145,611	17,228,259	24,373,870	0.38x	1.28x	11.21%
Merit Mezzanine Fund V, L.P.	2010	Mezzanine	15,000,000	915,918	14,084,082	6,864,283	11,796,496	18,660,780	0.49x	1.32x	9.57%
Ares Mezzanine Partners, L.P.	2011	Mezzanine	15,000,000	722,466	8,520,566	9,780,971	61,226	9,842,197	1.15x	1.16x	8.87%
Lightyear Fund III, L.P.	2011	Buyout - Medium	20,000,000	1,693,169	22,915,656	16,184,537	17,551,176	33,735,713	0.71x	1.47x	18.32%
Ares Corporate Opportunities Fund IV, L.P.	2012	Distressed Debt	20,000,000	5,783,929	17,476,254	4,761,548	18,084,542	22,846,090	0.27x	1.31x	14.02%
Dover Street VIII, L.P.	2012	Secondaries	25,000,000	4,125,000	20,875,000	10,877,737	17,879,444	28,757,181	0.52x	1.38x	22.95%
Green Equity Investors VI, L.P.	2012	Buyout - Large	20,000,000	2,893,241	20,518,332	4,410,233	21,180,431	25,590,664	0.21x	1.25x	13.01%
McCarthy Capital V, L.P.	2012	Buyout - Small	20,000,000	2,245,253	19,411,511	8,020,630	17,580,809	25,601,439	0.41x	1.32x	11.24%
New Enterprise Associates 14, L.P.	2012	Venture - Balanced	20,000,000	1,200,000	18,807,229	2,109,889	26,671,381	28,781,270	0.11x	1.53x	17.29%
Accel-KKR Capital Partners IV, L.P.	2013	Buyout - Medium	12,500,000	4,709,946	9,195,630	1,536,197	8,982,467	10,518,664	0.17x	1.14x	10.09%
Beecken Petty O'Keefe Fund IV, L.P.	2013	Buyout - Small	20,000,000	6,837,155	13,162,845	2,645,055	14,619,193	17,264,247	0.20x	1.31x	16.20%
Pine Brook Capital Partners II, L.P.	2013	Buyout - Large	30,000,000	8,012,209	22,803,740	723,987	25,249,119	25,973,106	0.03x	1.14x	7.99%
Wayzata Opportunities Fund III, L.P.	2013	Distressed Debt	25,000,000	16,547,500	12,358,995	3,812,500	8,478,272	12,290,772	0.31x	0.99x	-0.33%
CVC Capital Partners VI, L.P. ⁷	2014	Buyout - Mega	19,599,150	7,006,361	9,775,854	546,229	9,837,151	10,383,380	0.06x	1.06x	6.70%
New Mountain Partners IV, L.P.	2014	Buyout - Large	30,000,000	12,637,691	17,362,309	1,000,581	21,176,159	22,176,740	0.06x	1.28x	23.86%
Quantum Energy Partners VI, LP	2014	Energy	30,000,000	19,302,440	11,318,279	1,519,623	14,667,864	16,187,487	0.13x	1.43x	61.00%
The Energy & Minerals Group Fund III, LP	2014	Energy	35,000,000	4,807,515	30,578,507	732,811	25,478,367	26,211,178	0.02x	0.86x	-7.81%
The Resolute Fund III, L.P.	2014	Buyout - Large	30,000,000	17,846,240	18,316,870	6,388,209	15,023,163	21,411,372	0.35x	1.17x	15.78%
Francisco Partners IV, L.P.	2015	Buyout - Large	20,000,000	10,200,000	9,800,000	0	10,572,192	10,572,192	0.00x	1.08x	7.60%
Wynnchurch Capital Partners IV, L.P.	2015	Buyout - Medium	25,000,000	21,036,091	3,963,909	0	4,477,960	4,477,960	0.00x	1.13x	15.79%

See page 12 for notes.

Aon Hewitt
Retirement and Investment

Private Equity -- DB/CBB & Endowment Performance by Investment (cont'd)

Partnership Name	Vintage Year	Investment Type	Total Commitments	Unfunded Commitment	Cumulative Paid-In	Cumulative Distributions	Net Asset Value	Total Value ¹	DPI ²	TVPI ³	IRR
Defined Benefit Portfolio											
Bridgepoint Europe V, L.P. ⁷	2016	Buyout - Large	25,070,600	15,160,760	6,290,777	0	7,253,432	7,253,432	0.00x	1.15x	21.07%
Dover Street IX, L.P.	2016	Secondaries	50,000,000	48,000,000	2,000,000	701,277	2,544,609	3,245,886	0.35x	1.62x	68.91%
McCarthy Capital VI, L.P.	2016	Buyout - Medium	40,000,000	34,702,784	5,297,216	15,218	4,857,836	4,873,054	0.00x	0.92x	-11.42%
Ares Corporate Opportunities Fund V, L.P.	2017	Distressed Debt	50,000,000	50,000,000	0	0	0	0	N/A	N/A	N/A
Green Equity Investors VII, L.P.	2017	Buyout - Mega	50,000,000	50,000,000	0	0	0	0	N/A	N/A	N/A
Total Direct Portfolio			\$969,672,399	\$395,737,761	\$634,416,241	\$352,630,817	\$527,441,735	\$880,072,552	0.56x	1.39x	12.17%
Abbott Capital Private Equity Fund V, L.P.	2005	Fund of Funds	\$50,000,000	\$2,500,000	\$47,500,000	\$48,976,995	\$18,786,192	\$67,763,187	1.03x	1.43x	7.03%
Pathway Private Equity Fund XV III, LLC ⁹	2006	Fund of Funds	100,000,000	8,347,272	100,756,637	100,657,158	47,835,828	148,492,986	1.00x	1.47x	8.12%
Total Fund of Funds Portfolio			\$150,000,000	\$10,847,272	\$148,256,637	\$149,634,153	\$66,622,020	\$216,256,173	1.01x	1.46x	7.76%
Total Defined Benefit Portfolio			\$1,119,672,399	\$406,585,033	\$782,672,878	\$502,264,970	\$594,063,755	\$1,096,328,726	0.64x	1.40x	10.67%
Endowment Portfolio											
Dover Street VIII, L.P.	2012	Secondaries	\$15,000,000	\$2,475,000	\$12,525,000	\$6,526,644	\$10,727,665	\$17,254,309	0.52x	1.38x	22.95%
Total Direct Portfolio			\$15,000,000	\$2,475,000	\$12,525,000	\$6,526,644	\$10,727,665	\$17,254,309	0.52x	1.38x	22.95%
Abbott Capital Private Equity Fund VI, L.P.	2008	Fund of Funds	\$45,000,000	\$4,500,000	\$40,500,000	\$17,100,792	\$37,905,042	\$55,005,834	0.42x	1.36x	10.33%
RCP Fund VII, L.P.	2010	Fund of Funds	20,000,000	2,600,621	18,237,190	6,970,528	22,980,927	29,951,455	0.38x	1.64x	19.61%
RCP Fund VIII, L.P.	2012	Fund of Funds	10,000,000	4,114,735	6,341,311	1,341,311	6,151,194	7,492,505	0.21x	1.18x	9.60%
Abbott Capital Private Equity Fund VII, L.P.	2014	Fund of Funds	20,000,000	10,700,000	9,300,630	700,000	9,209,674	9,909,674	0.08x	1.07x	6.28%
Ironsides Partnership Fund IV, L.P.	2017	Fund of Funds	20,000,000	20,000,000	0	0	65,046	65,046	N/A	N/A	N/A
Total Fund of Funds Portfolio			\$115,000,000	\$41,915,356	\$74,379,131	\$26,112,631	\$76,311,883	\$102,424,515	0.35x	1.38x	12.57%
Total Endowment Portfolio			\$130,000,000	\$44,390,356	\$86,904,131	\$32,639,275	\$87,039,548	\$119,678,824	0.38x	1.38x	13.36%

See page 12 for notes.

Aon Hewitt
Retirement and Investment

Investment advice and consulting services provided by Aon Hewitt Investment Consulting, Inc., an Aon Company.

Private Equity -- DB/CBB & Endowment Evolution of Portfolio Performance

Partnership Name	Vintage Year	Investment Type	IRR as of								
			12/31/2008	12/31/2009	12/31/2010	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/30/2015	12/31/2016
Defined Benefit Portfolio											
Abbott Capital Private Equity Fund V, L.P.	2005	Fund of Funds	-14.36%	-4.63%	0.08%	3.48%	4.99%	6.93%	7.60%	7.29%	7.03%
Pathway Private Equity Fund XVIII, LLC ⁹	2006	Fund of Funds	-12.83%	-11.45%	-2.96%	0.66%	3.01%	6.22%	7.65%	7.81%	8.12%
TRG Growth Partnership II, L.P. ⁶	2006	Buyout - Large	-26.40%	-2.64%	5.35%	2.30%	4.77%	4.85%	5.91%	5.35%	5.58%
New Mountain Partners III, L.P.	2007	Buyout - Mega	-17.57%	-7.55%	-1.61%	6.95%	8.94%	11.17%	8.24%	11.41%	12.85%
Presidio Partners 2007, L.P. ¹⁰	2007	Venture - Late	-19.11%	-3.67%	-10.34%	-1.79%	-6.82%	-4.24%	5.97%	10.45%	9.36%
Sun Capital Partners V, L.P.	2007	Distressed Debt	-64.23%	-9.54%	5.91%	9.71%	10.32%	11.20%	10.20%	8.12%	7.09%
The Resolute Fund II, L.P.	2007	Buyout - Large	-18.22%	-7.04%	-0.60%	3.33%	6.71%	10.55%	10.33%	10.36%	9.06%
Wayzata Opportunities Fund II, L.P.	2007	Distressed Debt	-19.14%	16.14%	16.81%	16.01%	15.43%	16.88%	17.04%	16.32%	16.34%
Accel-KKR Capital Partners III, L.P.	2008	Buyout - Medium	-9.18%	-4.51%	2.82%	18.21%	13.06%	17.30%	15.06%	14.07%	13.69%
Ares Corporate Opportunities Fund III, L.P.	2008	Distressed Debt	N/A	15.34%	41.10%	29.67%	27.14%	24.90%	23.64%	22.21%	22.34%
Bridgepoint Europe IV, L.P. ⁷	2008	Buyout - Mega	-98.56%	-46.99%	-11.75%	1.78%	9.70%	12.62%	11.12%	10.87%	10.68%
CVC European Equity Partners V, L.P. ⁷	2008	Buyout - Mega	N/A	11.55%	14.05%	10.55%	11.76%	12.64%	11.30%	12.17%	14.96%
Quantum Energy Partners V, L.P.	2008	Energy	-16.93%	-34.76%	-32.63%	-25.04%	7.75%	19.73%	16.59%	7.90%	18.35%
Fulcrum Growth Partners IV, L.P.	2009	Buyout - Small	N/A	6.68%	100.09%	17.23%	11.60%	7.23%	9.56%	9.88%	9.98%
Lincolnshire Equity Fund IV, L.P.	2009	Buyout - Medium	N/A	-64.65%	-65.41%	-27.71%	-14.24%	0.46%	7.26%	8.08%	10.12%
Longroad Capital Partners III, L.P.	2009	Distressed Debt	N/A	N/A	-32.27%	-21.75%	-9.10%	-21.56%	-28.60%	-22.38%	-35.02%
New Enterprise Associates 13, L.P.	2009	Venture - Balanced	N/A	-12.60%	3.76%	12.98%	17.39%	20.77%	21.05%	19.37%	19.28%
EIF United States Power Fund IV, L.P.	2010	Energy	N/A	N/A	N/A	-7.93%	-16.68%	-6.39%	17.53%	13.33%	11.21%
Merit Mezzanine Fund V, L.P.	2010	Mezzanine	N/A	N/A	-6.47%	-16.19%	-5.13%	0.76%	8.08%	8.04%	9.57%
Ares Mezzanine Partners, L.P.	2011	Mezzanine	N/A	N/A	N/A	-3.32%	8.03%	9.72%	8.12%	9.07%	8.87%
Lightyear Fund III, L.P.	2011	Buyout - Medium	N/A	N/A	N/A	17.70%	16.32%	14.93%	20.11%	18.59%	18.32%
Ares Corporate Opportunities Fund IV, L.P.	2012	Distressed Debt	N/A	N/A	N/A	N/A	-8.82%	-12.60%	8.28%	8.66%	14.02%
Dover Street VIII, L.P.	2012	Secondaries	N/A	N/A	N/A	N/A	95.48%	92.76%	49.90%	32.28%	22.95%
Green Equity Investors VI, L.P.	2012	Buyout - Large	N/A	N/A	N/A	N/A	1.81%	2.75%	8.52%	12.32%	13.01%
McCarthy Capital V, L.P.	2012	Buyout - Small	N/A	N/A	N/A	N/A	-13.25%	23.32%	11.98%	12.60%	11.24%
New Enterprise Associates 14, L.P.	2012	Venture - Balanced	N/A	N/A	N/A	N/A	-6.40%	8.14%	15.93%	20.24%	17.29%
Accel-KKR Capital Partners IV, L.P.	2013	Buyout - Medium	N/A	N/A	N/A	N/A	N/A	-56.68%	-21.06%	12.66%	10.09%
Beecken Petty O'Keefe Fund IV, L.P.	2013	Buyout - Small	N/A	N/A	N/A	N/A	N/A	-13.60%	-4.86%	-4.62%	16.20%
Fine Brook Capital Partners II, L.P.	2013	Buyout - Large	N/A	N/A	N/A	N/A	N/A	N/A	-16.55%	-10.20%	7.99%
Wayzata Opportunities Fund III, L.P.	2013	Distressed Debt	N/A	N/A	N/A	N/A	N/A	-24.10%	-14.58%	-17.42%	-0.33%
CVC Capital Partners VI, L.P. ⁷	2014	Buyout - Mega	N/A	N/A	N/A	N/A	N/A	N/A	-26.58%	-21.88%	6.70%
New Mountain Partners IV, L.P.	2014	Buyout - Large	N/A	N/A	N/A	N/A	N/A	N/A	3.24%	25.76%	23.86%
Quantum Energy Partners VI, L.P.	2014	Energy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	58.40%	61.00%
The Energy & Minerals Group Fund III, LP	2014	Energy	N/A	N/A	N/A	N/A	N/A	N/A	-1.25%	-18.34%	-7.81%
The Resolute Fund III, L.P.	2014	Buyout - Large	N/A	N/A	N/A	N/A	N/A	N/A	-5.28%	8.02%	15.78%
Francisco Partners IV, L.P.	2015	Buyout - Large	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.06%	7.60%
Wynnchurch Capital Partners IV, L.P.	2015	Buyout - Medium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.33%	15.79%

Private Equity – DB/CBB & Endowment Evolution of Portfolio Performance (cont'd)

Partnership Name	Vintage		IRR as of									
	Year	Investment Type	12/31/2008	12/31/2009	12/31/2010	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/30/2015	12/31/2016	
Bridgepoint Europe V, L.P. ⁷	2016	Buyout - Large	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21.07%
Dover Street IX, L.P.	2016	Secondaries	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	68.91%
McCarthy Capital VI, L.P.	2016	Buyout - Medium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-11.42%
Ares Corporate Opportunities Fund V, L.P.	2017	Distressed Debt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Green Equity Investors VII, L.P.	2017	Buyout - Mega	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Defined Benefit Portfolio			-18.50%	-5.38%	2.14%	4.74%	6.59%	9.02%	9.90%	9.78%	10.67%	
Endowment Portfolio												
Abbott Capital Private Equity Fund VI, L.P.	2008	Fund of Funds	-36.79%	-26.23%	-16.87%	-7.23%	-0.65%	5.07%	8.03%	9.59%	10.33%	
RCP Fund VII, L.P.	2010	Fund of Funds	N/A	N/A	N/A	-42.38%	-24.35%	-1.65%	11.14%	14.73%	19.61%	
Dover Street VIII, L.P.	2012	Secondaries	N/A	N/A	N/A	N/A	95.48%	92.76%	49.90%	32.28%	22.95%	
RCP Fund VIII, L.P.	2012	Fund of Funds	N/A	N/A	N/A	N/A	-47.52%	-33.15%	-7.63%	5.48%	9.60%	
Abbott Capital Private Equity Fund VII, L.P.	2014	Fund of Funds	N/A	N/A	N/A	N/A	N/A	N/A	-24.03%	-4.31%	6.28%	
Ironsides Partnership Fund IV, L.P.	2017	Fund of Funds	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Endowment Portfolio			-36.79%	-26.23%	-16.87%	-13.03%	-1.59%	4.89%	10.13%	11.93%	13.36%	
Total Portfolio			-18.82%	-5.61%	1.90%	4.43%	6.37%	8.87%	9.92%	9.90%	10.85%	

Notes

1. Total Value = Cumulative Distributions + Net Asset Value
2. DPI = Cumulative Distributions/Cumulative Paid-In
3. TVPI = Total Value/Cumulative Paid-In
4. Potential Market Exposure = Net Asset Value + Unfunded Commitments
5. Does not include exposure from fund of funds managers.
6. Formerly known as Citigroup Venture Capital International Growth Partnership II, L.P. The Rohatyn Group acquisition finalized in Q4 2013.
7. Commitments to Bridgepoint Europe IV and CVC European Equity Partners V were both EUR 20.0mm. The USD commitments were converted at an exchange rate of 1.30 USD/EUR. The commitment to CVC Capital Partners VI was EUR 15.0mm with a converted exchange rate of 1.30661 USD/EUR. The commitment to Bridgepoint Europe V was EUR 20.0mm with a converted exchange rate of 1.25353 USD/EUR.
8. Source: Burgiss. Benchmark returns for each vintage year are calculated based on the pooled cash flows of all relevant vintage year funds in the Burgiss database. Benchmark returns are as of December 31, 2016. The total portfolio peer universe returns are the commitment-weighted averages of the individual vintage year benchmark returns.
9. A roll-forward 12/31/2016 NAV has been used for Pathway Private Equity Fund XVIII, LLC.
10. Formerly known as CMEA Ventures VII, L.P.
11. The Public Market Equivalent (PME) return is measured against the Wilshire 5000 using the Long-Nickels/Index Comparison Method (ICM) methodology. This methodology calculates the hypothetical return that could have been achieved by purchasing/selling shares in the index on the same dates and in the same amounts as the cash flows to/from the private market portfolio.