



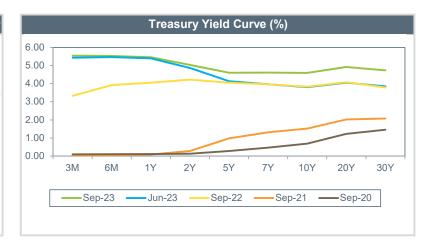
Capital Markets Review As of September 30, 2023

#### **Third Quarter Economic Environment**

#### **Key Economic Indicators**

During Q3, investors grappled with mixed signals regarding the health of the economy and the direction of corporate profits. Several factors were at play, including an uptick in inflation, a downgrade to the US debt rating, ongoing labor negotiations and strikes, and uncertainty around the funding of the US government—all of which complicated the outlook for investors. As the prospect of a "higher for longer" outlook for interest rates was digested by investors, it led to increased volatility and negative equity market returns in the latter part of the quarter. Among investors, there was an increasing focus on the behavior and financial health of the US consumer. Although labor market data releases, including wage growth, have exceeded expectations, rising energy costs and mortgage rates, as well as the resumption of student loan payments following a multi-year pause, raised concerns about a decline in consumer spending. Within the US, rising energy prices drove the August and September readings of the Consumer Price Index (CPI) to 3.7% for consecutive months, higher than earlier in the year. Global central banks and policymakers have continued to focus on the balance between maintaining downward pressure on inflation and avoiding significant disruption to economic growth. The Federal Open Markets Committee (FOMC) paused rate hikes during its September meeting—marking only the second pause since March 2022—but it also indicated that an additional rate increase should be expected before the end of the year.

Economic Indicators	Sep-23		Jun-23	Sep-22	Sep-20	20 Yr
Federal Funds Rate (%)	5.33	<b>A</b>	5.08	3.08	0.09	1.44
10 Year US Treasury Yield	4.59	<b>A</b>	3.81	3.83	0.69	2.92
30 Year US Treasury Yield	4.73	<b>A</b>	3.85	3.79	1.46	N/A
Consumer Price Index YoY (Headline) (%)	3.70	<b>A</b>	3.00	8.20	1.40	2.57
Unemployment Rate (%)	3.80	<b>A</b>	3.60	3.50	7.90	5.91
Real Gross Domestic Product YoY (%)	3.00	<b>A</b>	2.40	1.80	-2.00	2.02
PMI - Manufacturing	49.00	<b>A</b>	46.00	50.90	55.40	53.54
US Dollar Total Weighted Index	122.77	<b>A</b>	119.89	127.64	116.97	103.77
WTI Crude Oil per Barrel (\$)	90.79	<b>A</b>	70.64	79.49	40.22	69.15



Market Performance (%)	QTD	CYTD	1 Yr	3 Yr	5 Yr	10 Yr	15 Yr	20 Yr
US Large Cap Equity	-3.27	13.07	21.62	10.15	9.92	11.91	11.28	9.72
US Small Cap Equity	-5.13	2.54	8.93	7.16	2.40	6.65	8.13	8.13
Developed International Equity	-4.11	7.08	25.65	5.75	3.24	3.82	4.66	5.90
Developed International Small Cap Equity	-3.51	1.82	17.90	1.10	0.76	4.30	6.62	7.28
Emerging Markets Equity	-2.93	1.82	11.70	-1.73	0.55	2.07	3.76	7.30
US Aggregate Bond	-3.23	-1.21	0.64	-5.21	0.10	1.13	2.53	2.85
3 Month US Treasury Bill	1.31	3.60	4.47	1.70	1.72	1.11	0.80	1.41
US Real Estate	-1.90	-7.55	-12.14	7.13	5.65	8.16	5.60	7.62
Real Estate Investment Trusts (REITs)	-7.13	-2.14	2.99	5.76	2.77	5.96	5.89	7.73
Commodities	4.71	-3.44	-1.30	16.23	6.13	-0.75	-2.28	0.69

Treasury data courtesy of the US Department of the Treasury. Economic data courtesy of Bloomberg Professional Service. Real Gross Domestic Product YoY (%) is available quarterly; QTD returns are shown as "0.00" on interim-quarter months and until available. Market performance is representative of broad asset class index returns. Please see the addendum for indices used for each asset class.

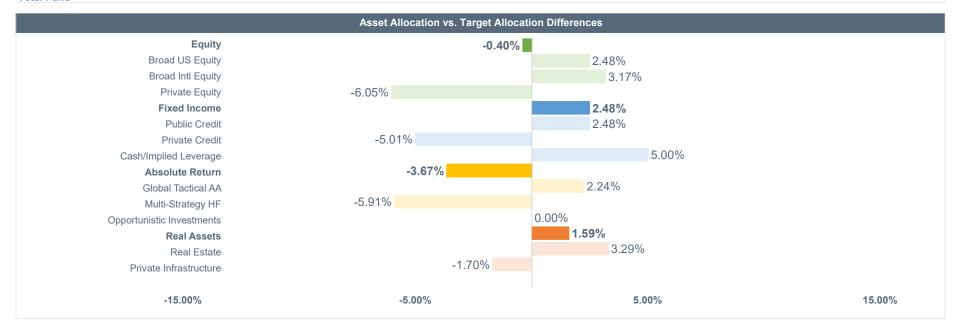




# North Dakota Board of University and School Lands Total Endowments

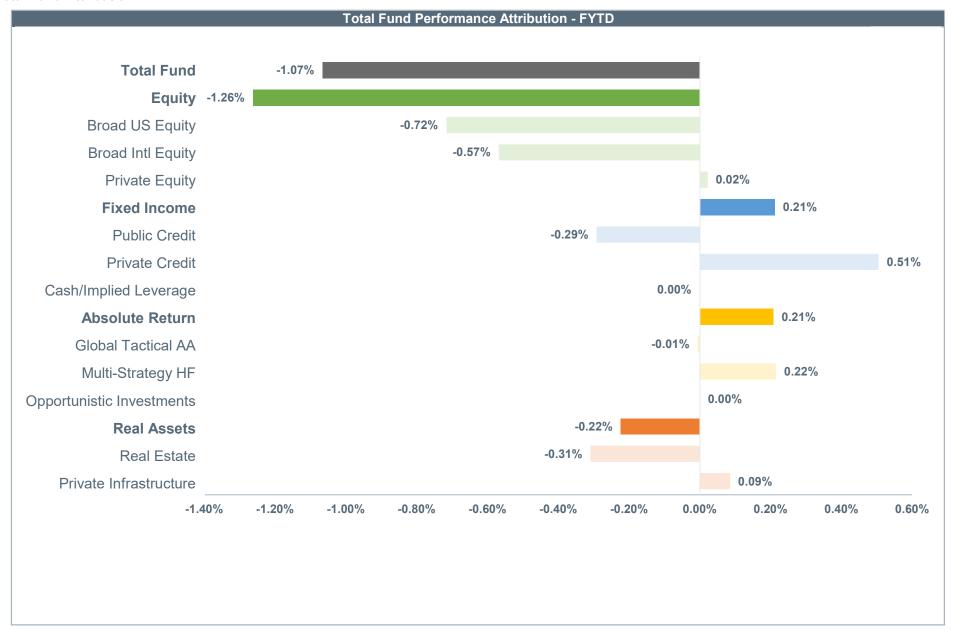
**Asset Allocation vs. Long-Term Target Allocation** 

		Asset Allocation vs. Targ	et Allocation Differences		
	Asset Allocation	Asset Allocation (%)	Target Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)
Equity	2,402,763,952	37.60%	38.00%	28.00%	48.00%
Broad US Equity Broad International Equity Private Equity	1,116,868,072 1,161,058,686 124,837,194	17.48% 18.17% 1.95%	15.00% 15.00% 8.00%	12.00% 12.00% 0.00%	18.00% 18.00% 12.00%
Fixed Income	2,075,521,500	32.48%	30.00%	20.00%	40.00%
Public Credit Private Credit Cash/Implied Leverage	1,117,309,381 958,212,118 0	17.48% 14.99% 0.00%	15.00% 20.00% -5.00%	10.00% 10.00% -10.00%	20.00% 25.00% 5.00%
Absolute Return	724,052,964	11.33%	15.00%	10.00%	20.00%
Global Tactical Asset Allocation Multi-Strategy Hedge Fund Opportunistic Investments	143,403,910 580,649,054 0	2.24% 9.09% 0.00%	0.00% 15.00% 0.00%	N/A 10.00% 0.00%	N/A 20.00% 5.00%
Real Assets	1,188,250,436	18.59%	17.00%	8.00%	26.00%
Real Estate Private Infrastructure	849,243,864 339,006,571	13.29% 5.30%	10.00% 7.00%	5.00% 0.00%	15.00% 11.00%
Total Fund	6,390,588,851	100.00%	100.00%	-	-



Allocations shown may not sum up to 100% exactly due to rounding. During the transition to the new target allocations, it is expected that some asset classes will fall outside of policy ranges. The Global Tactical Asset Allocation composite will be liquidated over time.





Performance shown is net of fees. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Allocations shown may not sum up to 100% exactly due to rounding.

# North Dakota Board of University and School Lands Comparative Performance

	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Total Fund	-1.07	-1.07	4.17	8.74	5.43	4.02	4.93	4.67	6.24	08/01/1995
Target Allocation Index (Net)	-1.26	-1.26	4.28	8.76	4.84	5.08	5.75	5.62	N/A	
Difference	0.19	0.19	-0.11	-0.02	0.59	-1.06	-0.82	-0.95	N/A	
Broad US Equity	-3.79	-3.79	10.02	17.79	8.88	8.39	11.19	10.71	12.80	07/01/2009
Russell 3000 Index	-3.25	-3.25	12.39	20.46	9.38	9.14	11.64	11.28	13.38	
Difference	-0.54	-0.54	-2.37	-2.67	-0.50	-0.75	-0.45	-0.57	-0.58	
Broad International Equity	-2.87	-2.87	6.84	22.87	6.07	3.44	5.03	3.70	5.61	07/01/2009
MSCI ACW Ex US IM Index (USD) (Net)	-3.49	-3.49	5.30	20.19	3.77	2.57	4.73	3.48	5.65	
Difference	0.62	0.62	1.54	2.68	2.30	0.87	0.30	0.22	-0.04	
Private Equity	1.34	1.34	10.91	16.73	N/A	N/A	N/A	N/A	15.90	04/01/2021
Cambridge US Prvt Eq Index	0.00	0.00	5.27	6.47	17.80	14.71	15.68	14.26	11.47	
Difference	1.34	1.34	5.64	10.26	N/A	N/A	N/A	N/A	4.43	
Fixed Income	0.81	0.81	5.33	7.74	1.99	3.68	2.83	3.12	5.20	08/01/1995
Global Fixed Income Custom Index	0.27	0.27	5.11	7.71	-1.88	2.04	1.55	N/A	N/A	
Difference	0.54	0.54	0.22	0.03	3.87	1.64	1.28	N/A	N/A	
Public Credit	-1.86	-1.86	0.74	2.56	N/A	N/A	N/A	N/A	-1.46	07/01/2022
Bloomberg US Agg Bond Index	-3.23	-3.23	-1.21	0.64	-5.21	0.10	-0.09	1.13	-3.32	
Difference	1.37	1.37	1.95	1.92	N/A	N/A	N/A	N/A	1.86	
Private Credit	3.66	3.66	10.14	13.13	N/A	N/A	N/A	N/A	11.46	07/01/2022
Credit Suisse Leveraged Loan Index+1.5%	3.76	3.76	11.14	14.16	7.50	5.88	6.21	5.90	12.57	
Difference	-0.10	-0.10	-1.00	-1.03	N/A	N/A	N/A	N/A	-1.11	
Absolute Return	0.58	0.58	5.10	11.42	2.46	1.19	2.26	N/A	1.49	07/01/2014
Absolute Return Custom Index	-0.10	-0.10	4.84	12.26	1.23	3.47	4.76	N/A	4.15	
Difference	0.68	0.68	0.26	-0.84	1.23	-2.28	-2.50	N/A	-2.66	
Global Tactical Asset Allocation	-3.14	-3.14	-0.55	5.77	N/A	N/A	N/A	N/A	-1.42	07/01/2022
60% MSCI ACW (Net)/40% Bbrg Gbl Agg ldx	-3.46	-3.46	5.05	13.18	1.33	3.44	4.66	4.49	4.35	
Difference	0.32	0.32	-5.60	-7.41	N/A	N/A	N/A	N/A	-5.77	
Multi-Strategy Hedge Funds	2.59	2.59	4.44	7.08	N/A	N/A	N/A	N/A	8.37	07/01/2022
HFRI RV Multi Strat Index	1.72	1.72	3.50	3.83	4.62	3.85	3.86	3.81	3.05	
Difference	0.87	0.87	0.94	3.25	N/A	N/A	N/A	N/A	5.32	

Performance shown is net of fees, and annualized for periods greater than one year. Composite inception dates are based on availability of data for each asset class. The Global Fixed Income Custom Index and Absolute Return Custom Index are calculated monthly using beginning of month weights applied to each corresponding primary benchmark return. Please see the Addendum for additional custom index definitions. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Fiscal year ends 06/30. Beginning in 07/2023, the Global Tactical Asset Allocation composite is not factored into the Target Allocation due to the transition to new target allocations. As of 09/30, the Cambridge US Prvt Eq Index is unavailable due to it reporting on a quarter lag basis.



# North Dakota Board of University and School Lands Comparative Performance

	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Real Estate	-2.10	-2.10	-8.04	-12.36	6.74	5.06	6.25	N/A	6.85	07/01/2015
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	6.13	
Difference	0.00	0.00	0.10	0.52	0.55	0.34	0.82	N/A	0.72	
Private Infrastructure	1.78	1.78	5.84	9.91	N/A	N/A	N/A	N/A	9.25	02/01/2022
MSCI Wrld Infrastructure Index (Net)	-7.33	-7.33	-6.24	3.76	1.39	2.10	2.25	3.32	-6.12	
Difference	9.11	9.11	12.08	6.15	N/A	N/A	N/A	N/A	15.37	

Performance shown is net of fees, and annualized for periods greater than one year. Composite inception dates are based on availability of data for each asset class. The Global Fixed Income Custom Index and Absolute Return Custom Index are calculated monthly using beginning of month weights applied to each corresponding primary benchmark return. Please see the Addendum for additional custom index definitions. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Fiscal year ends 06/30. Beginning in 07/2023, the Global Tactical Asset Allocation composite is not factored into the Target Allocation due to the transition to new target allocations. As of 09/30, the Cambridge US Prvt Eq Index is unavailable due to it reporting on a quarter lag basis.



# North Dakota Board of University and School Lands Broad US Equity

			Comparat	ive Perform	nance					
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Broad US Equity	-3.79	-3.79	10.02	17.79	8.88	8.39	11.19	10.71	12.80	07/01/2009
Russell 3000 Index	-3.25	-3.25	12.39	20.46	9.38	9.14	11.64	11.28	13.38	
Difference	-0.54	-0.54	-2.37	-2.67	-0.50	-0.75	-0.45	-0.57	-0.58	
State Street Russell 1000 Index SL (CF)	-3.15	-3.15	13.01	21.19	9.50	9.60	N/A	N/A	11.20	06/01/2017
Russell 1000 Index	-3.15	-3.15	13.01	21.19	9.53	9.63	12.00	11.63	11.23	
Difference	0.00	0.00	0.00	0.00	-0.03	-0.03	N/A	N/A	-0.03	
State Street Russell Mid Cap Index (SA)	-4.67	-4.67	3.91	13.44	8.11	6.40	N/A	N/A	7.95	06/01/2017
Russell Mid Cap Index	-4.68	-4.68	3.91	13.45	8.09	6.38	8.68	8.98	7.95	
Difference	0.01	0.01	0.00	-0.01	0.02	0.02	N/A	N/A	0.00	
NT Small Cap Core (SA)	-6.42	-6.42	0.09	5.22	6.23	2.53	7.84	6.98	6.20	07/01/2014
Russell 2000 Index	-5.13	-5.13	2.54	8.93	7.16	2.40	6.62	6.65	5.88	
Difference	-1.29	-1.29	-2.45	-3.71	-0.93	0.13	1.22	0.33	0.32	



Performance shown is net of fees. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Allocations shown may not sum up to 100% exactly due to rounding. Fiscal year ends 06/30.



### North Dakota Board of University and School Lands Broad International Equity

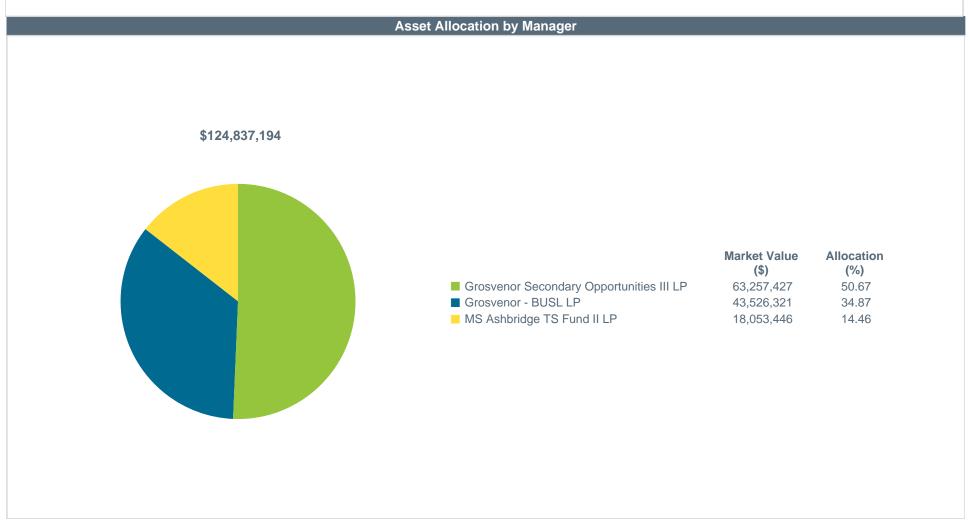
		Cor	nparative F	Performano	:e					
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Broad International Equity	-2.87	-2.87	6.84	22.87	6.07	3.44	5.03	3.70	5.61	07/01/2009
MSCI ACW Ex US IM Index (USD) (Net)	-3.49	-3.49	5.30	20.19	3.77	2.57	4.73	3.48	5.65	
Difference	0.62	0.62	1.54	2.68	2.30	0.87	0.30	0.22	-0.04	
State Street World Ex US Index (CF)	-4.10	-4.10	6.68	23.92	5.95	3.33	5.29	N/A	2.87	07/01/2014
MSCI Wrld Ex US Index (USD) (Net)	-4.10	-4.10	6.73	24.00	6.07	3.44	5.38	3.84	2.96	
Difference	0.00	0.00	-0.05	-0.08	-0.12	-0.11	-0.09	N/A	-0.09	
Acadian International Small Cap	-2.64	-2.64	3.32	19.17	N/A	N/A	N/A	N/A	-6.46	12/01/2021
MSCI EAFE Sm Cap Index (USD) (Net)	-3.51	-3.51	1.82	17.90	1.10	0.76	3.96	4.30	-9.35	
Difference	0.87	0.87	1.50	1.27	N/A	N/A	N/A	N/A	2.89	
State Street World Ex US Small Cap Index (CF)	-3.44	-3.44	1.78	17.16	N/A	N/A	N/A	N/A	-8.12	02/01/2022
MSCI Wrld Ex US Sm Cap Index (USD) (Net)	-3.48	-3.48	1.83	17.32	1.85	1.28	4.13	4.13	-8.14	
Difference	0.04	0.04	-0.05	-0.16	N/A	N/A	N/A	N/A	0.02	
Arrowstreet Emerging Markets	2.08	2.08	12.00	24.10	N/A	N/A	N/A	N/A	-2.31	12/01/2021
MSCI Emg Mkts Index (USD) (Net)	-2.93	-2.93	1.82	11.70	-1.73	0.55	3.22	2.07	-9.73	
Difference	5.01	5.01	10.18	12.40	N/A	N/A	N/A	N/A	7.42	
State Street MSCI Emerging Markets Index (SA)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-8.65	08/01/2023
MSCI Emg Mkts Index (USD) (Net)	-2.93	-2.93	1.82	11.70	-1.73	0.55	3.22	2.07	-8.61	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-0.04	



Performance shown is net of fees. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Allocations shown may not sum up to 100% exactly due to rounding. Fiscal year ends 06/30. In 07/2023, State Street MSCI Emerging Markets Index (CF) was funded, and NT Emerging Markets Index Fund was liquidated.



Comparative Performance												
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date		
Private Equity	1.34	1.34	10.91	16.73	N/A	N/A	N/A	N/A	15.90	04/01/2021		
Cambridge US Prvt Eq Index	0.00	0.00	5.27	6.47	17.80	14.71	15.68	14.26	11.47			
Difference	1.34	1.34	5.64	10.26	N/A	N/A	N/A	N/A	4.43			



Performance shown is net of fees. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Allocations shown may not sum up to 100% exactly due to rounding. Fiscal year ends 06/30. Market values for Private Equity is as of previous quarter end and adjusted for subsequent cash flows until the current quarter's valuations are available. 09/30 market value is unavailable for MS Ashbridge TS Fund II LP and Grosvenor Secondary Opp Fund III LP. As of 09/30, the Cambridge US Prvt Eq Index is unavailable due to it reporting on a quarter lag basis.



# North Dakota Board of University and School Lands Fixed Income

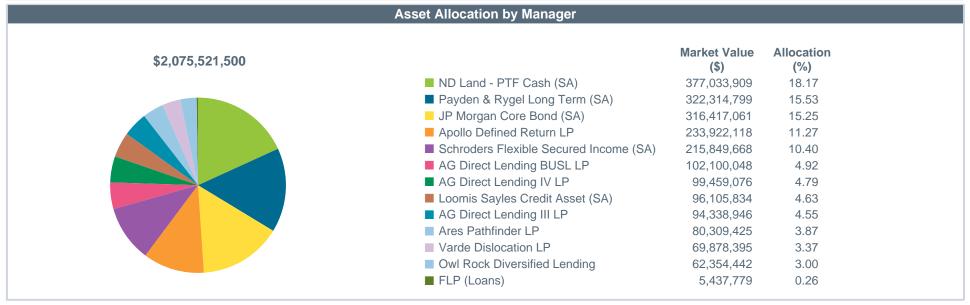
			Comparat	ive Perform	ance					
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Fixed Income	0.81	0.81	5.33	7.74	1.99	3.68	2.83	3.12	5.20	08/01/1995
Global Fixed Income Custom Index	0.27	0.27	5.11	7.71	-1.88	2.04	1.55	N/A	N/A	
Difference	0.54	0.54	0.22	0.03	3.87	1.64	1.28	N/A	N/A	
Public Credit	-1.86	-1.86	0.74	2.56	N/A	N/A	N/A	N/A	-1.46	07/01/2022
Bloomberg US Agg Bond Index	-3.23	-3.23	-1.21	0.64	-5.21	0.10	-0.09	1.13	-3.32	
Difference	1.37	1.37	1.95	1.92	N/A	N/A	N/A	N/A	1.86	
Payden & Rygel Long Term (SA)	-3.18	-3.18	-0.70	1.24	-4.46	0.43	0.53	1.68	4.77	08/01/1995
Bloomberg US Agg Bond Index	-3.23	-3.23	-1.21	0.64	-5.21	0.10	-0.09	1.13	4.18	
Difference	0.05	0.05	0.51	0.60	0.75	0.33	0.62	0.55	0.59	
JP Morgan Core Bond (SA)	-3.00	-3.00	-0.43	1.10	-4.44	-0.02	0.00	0.93	0.83	08/01/2012
JP Morgan FI Custom Index	-3.23	-3.23	-1.21	0.64	-4.92	-0.23	-0.27	0.64	0.56	
Difference	0.23	0.23	0.78	0.46	0.48	0.21	0.27	0.29	0.27	
Loomis Sayles Credit Asset (SA)	-0.53	-0.53	2.65	6.55	N/A	N/A	N/A	N/A	-1.63	04/01/2021
Loomis Sayles CA Custom Index	-0.59	-0.59	3.97	7.65	-0.55	2.38	2.56	3.29	-1.56	
Difference	0.06	0.06	-1.32	-1.10	N/A	N/A	N/A	N/A	-0.07	
FLP (Loans)	1.43	1.43	4.28	5.77	4.83	4.77	5.19	5.44	6.82	08/01/1995
ND Land - PTF Cash (SA)	1.30	1.30	3.40	4.18	1.61	1.65	N/A	N/A	1.61	07/01/2017
ICE BofAML 3 Mo US T-Bill Index	1.31	1.31	3.60	4.47	1.70	1.72	1.55	1.11	1.67	
Difference	-0.01	-0.01	-0.20	-0.29	-0.09	-0.07	N/A	N/A	-0.06	
Private Credit	3.66	3.66	10.14	13.13	N/A	N/A	N/A	N/A	11.46	07/01/2022
Credit Suisse Leveraged Loan Index+1.5%	3.76	3.76	11.14	14.16	7.50	5.88	6.21	5.90	12.57	
Difference	-0.10	-0.10	-1.00	-1.03	N/A	N/A	N/A	N/A	-1.11	
AG Direct Lending III LP	1.84	1.84	5.53	8.18	11.83	10.31	N/A	N/A	10.15	09/01/2018
CS Lvg'd Loan Index	3.37	3.37	9.91	12.47	5.91	4.31	4.64	4.33	4.38	
Difference	-1.53	-1.53	-4.38	-4.29	5.92	6.00	N/A	N/A	5.77	
AG Direct Lending IV LP	2.79	2.79	8.23	11.44	N/A	N/A	N/A	N/A	14.70	06/01/2021
CS Lvg'd Loan Index	3.37	3.37	9.91	12.47	5.91	4.31	4.64	4.33	4.66	
Difference	-0.58	-0.58	-1.68	-1.03	N/A	N/A	N/A	N/A	10.04	

Performance shown is net of fees. The Global Fixed Income Custom Index currently consists of the Bloomberg US Unv Bond Index. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Fiscal year ends 06/30.



### North Dakota Board of University and School Lands Fixed Income

	Comparative Performance												
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date			
AG Direct Lending BUSL LP	7.74	7.74	9.46	12.66	N/A	N/A	N/A	N/A	11.96	06/01/2022			
CS Lvg'd Loan Index	3.37	3.37	9.91	12.47	5.91	4.31	4.64	4.33	8.48				
Difference	4.37	4.37	-0.45	0.19	N/A	N/A	N/A	N/A	3.48				
Owl Rock Diversified Lending	3.21	3.21	9.49	14.24	N/A	N/A	N/A	N/A	9.88	11/01/2021			
CS Lvg'd Loan Index	3.37	3.37	9.91	12.47	5.91	4.31	4.64	4.33	4.73				
Difference	-0.16	-0.16	-0.42	1.77	N/A	N/A	N/A	N/A	5.15				
Apollo Defined Return LP	2.59	2.59	13.50	18.17	N/A	N/A	N/A	N/A	11.01	04/01/2022			
CS Lvg'd Loan Index+2%	3.88	3.88	11.55	14.72	8.03	6.40	6.74	6.42	7.94				
Difference	-1.29	-1.29	1.95	3.45	N/A	N/A	N/A	N/A	3.07				
Ares Pathfinder LP	9.42	9.42	9.49	9.08	N/A	N/A	N/A	N/A	35.80	03/01/2021			
Schroders Flexible Secured Income (SA)	2.50	2.50	9.05	10.76	N/A	N/A	N/A	N/A	3.70	09/01/2021			
3 Month LIBOR Index (USD)+1.75%	1.77	1.77	5.04	6.41	3.49	3.65	3.52	3.08	4.17				
Difference	0.73	0.73	4.01	4.35	N/A	N/A	N/A	N/A	-0.47				
Varde Dislocation LP	3.02	3.02	13.62	17.83	13.77	N/A	N/A	N/A	15.80	07/01/2020			

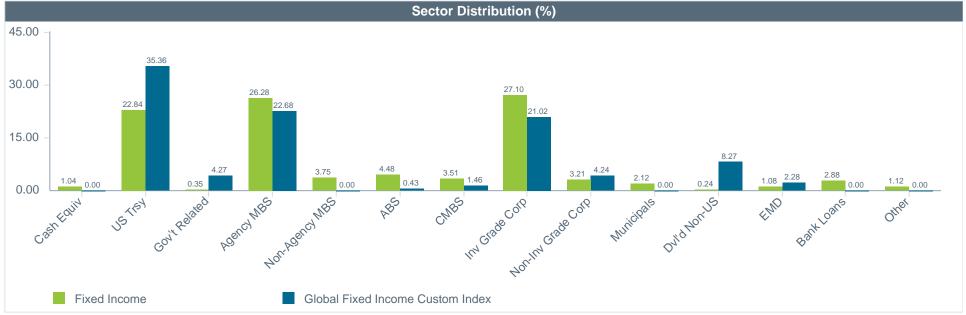


Performance shown is net of fees. The Global Fixed Income Custom Index currently consists of the Bloomberg US Unv Bond Index. RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Fiscal year ends 06/30.



### North Dakota Board of University and School Lands Fixed Income vs. Global Fixed Income Custom Index Portfolio Characteristics

	Portfolio	Benchmark
Effective Duration	5.93	5.91
vg. Maturity	8.11	8.25
Avg. Quality	A1	N/A
Coupon Rate (%)	3.68	3.24
rield To Worst (%)	6.07	5.73
Current Yield (%)	4.26	N/A



Fixed Income characteristics and sector distributions only include Payden & Rygel Long Term (SA), JP Morgan Core Bond (SA), and Loomis Sayles Credit Asset (SA). Allocation to "Other" consists of CDOs and Convertibles.

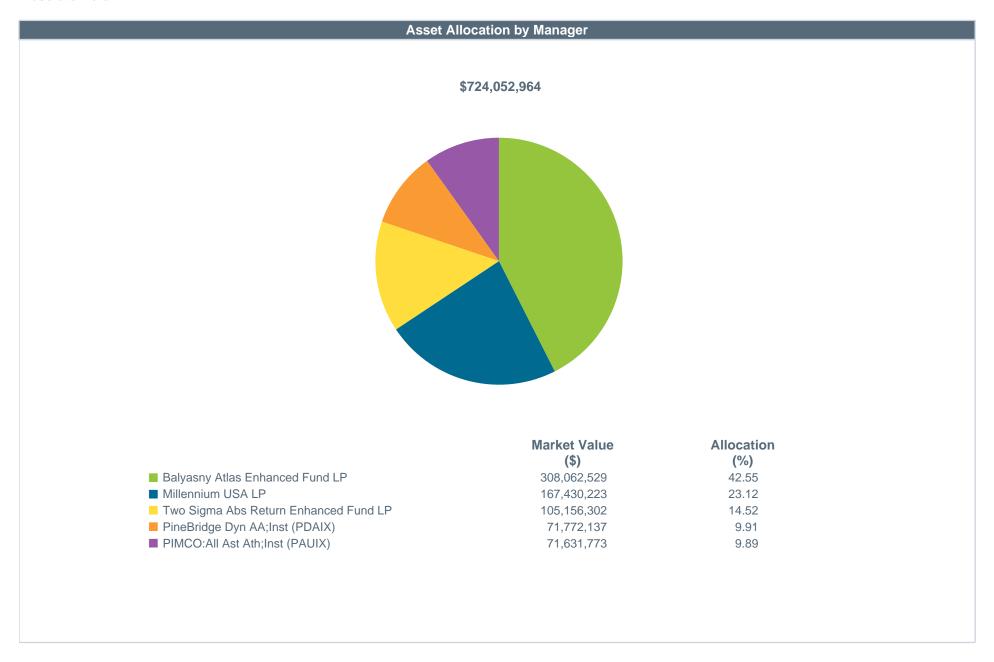


### North Dakota Board of University and School Lands Absolute Return

Comparative Performance												
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date		
Absolute Return	0.58	0.58	5.10	11.42	2.46	1.19	2.26	N/A	1.49	07/01/2014		
Absolute Return Custom Index	-0.10	-0.10	4.84	12.26	1.23	3.47	4.76	N/A	4.15			
Difference	0.68	0.68	0.26	-0.84	1.23	-2.28	-2.50	N/A	-2.66			
Global Tactical Asset Allocation	-3.14	-3.14	-0.55	5.77	N/A	N/A	N/A	N/A	-1.42	07/01/2022		
60% MSCI ACW (Net)/40% Bbrg Gbl Agg Idx	-3.46	-3.46	5.05	13.18	1.33	3.44	4.66	4.49	4.35			
Difference	0.32	0.32	-5.60	-7.41	N/A	N/A	N/A	N/A	-5.77			
PIMCO:All Ast Ath;Inst (PAUIX)	-2.89	-2.89	-0.48	7.05	3.11	1.38	1.86	N/A	0.61	07/01/2014		
All Asset Custom Index (Eql Wtd)	-1.41	-1.41	4.34	8.60	1.59	3.57	4.03	4.01	3.59			
Difference	-1.48	-1.48	-4.82	-1.55	1.52	-2.19	-2.17	N/A	-2.98			
PineBridge Dyn AA;Inst (PDAIX)	-3.43	-3.43	-0.69	4.97	N/A	N/A	N/A	N/A	-10.19	01/01/2022		
Consumer Price Index+5%	2.12	2.12	7.57	8.88	11.03	9.25	8.71	7.91	11.11			
Difference	-5.55	-5.55	-8.26	-3.91	N/A	N/A	N/A	N/A	-21.30			
Multi-Strategy Hedge Funds	2.59	2.59	4.44	7.08	N/A	N/A	N/A	N/A	8.37	07/01/2022		
HFRI RV Multi Strat Index	1.72	1.72	3.50	3.83	4.62	3.85	3.86	3.81	3.05			
Difference	0.87	0.87	0.94	3.25	N/A	N/A	N/A	N/A	5.32			
Millennium USA LP	4.64	4.64	7.67	10.40	N/A	N/A	N/A	N/A	11.54	01/01/2022		
HFRI RV Multi Strat Index	1.72	1.72	3.50	3.83	4.62	3.85	3.86	3.81	1.56			
Difference	2.92	2.92	4.17	6.57	N/A	N/A	N/A	N/A	9.98			
Balyasny Atlas Enhanced Fund LP	1.40	1.40	N/A	N/A	N/A	N/A	N/A	N/A	3.19	03/01/2023		
HFRI RV Multi Strat Index	1.72	1.72	3.50	3.83	4.62	3.85	3.86	3.81	0.72			
Difference	-0.32	-0.32	N/A	N/A	N/A	N/A	N/A	N/A	2.47			
Two Sigma Abs Return Enhanced Fund LP	2.94	2.94	N/A	N/A	N/A	N/A	N/A	N/A	5.16	05/01/2023		
HFRI RV Multi Strat Index	1.72	1.72	3.50	3.83	4.62	3.85	3.86	3.81	1.70			
Difference	1.22	1.22	N/A	N/A	N/A	N/A	N/A	N/A	3.46			







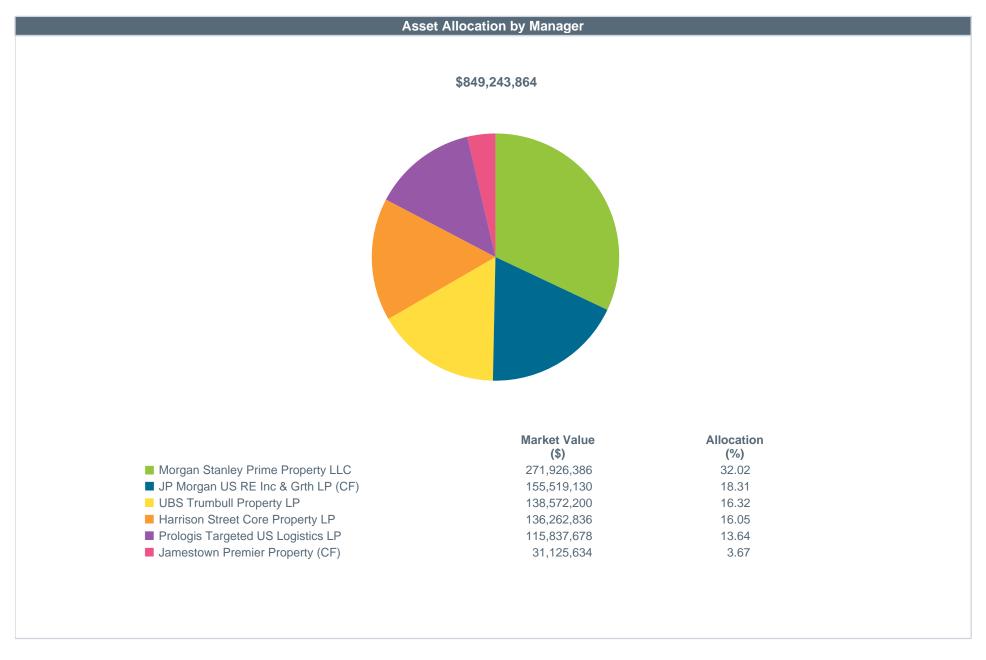




## North Dakota Board of University and School Lands Real Estate

Comparative Performance										
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Real Estate	-2.10	-2.10	-8.04	-12.36	6.74	5.06	6.25	N/A	6.85	07/01/2015
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	6.13	
Difference	0.00	0.00	0.10	0.52	0.55	0.34	0.82	N/A	0.72	
Morgan Stanley Prime Property LLC	-0.22	-0.22	-3.66	-7.22	8.02	6.37	7.00	N/A	7.59	07/01/2015
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	6.13	
Difference	1.88	1.88	4.48	5.66	1.83	1.65	1.57	N/A	1.46	
UBS Trumbull Property LP	-1.62	-1.62	-11.98	-16.73	1.46	0.06	1.62	N/A	2.68	07/01/2015
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	6.13	
Difference	0.48	0.48	-3.84	-3.85	-4.73	-4.66	-3.81	N/A	-3.45	
Jamestown Premier Property (CF)	-6.74	-6.74	-44.66	-51.79	-22.35	-14.94	-8.43	N/A	-5.83	07/01/2015
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	6.13	
Difference	-4.64	-4.64	-36.52	-38.91	-28.54	-19.66	-13.86	N/A	-11.96	
Prologis Targeted US Logistics LP	-2.10	-2.10	-6.24	-11.09	18.28	15.72	16.75	N/A	16.46	04/01/2016
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	5.58	
Difference	0.00	0.00	1.90	1.79	12.09	11.00	11.32	N/A	10.88	
JP Morgan US RE Inc & Grth LP (CF)	-4.56	-4.56	-7.82	-13.52	5.26	3.51	4.58	N/A	4.69	07/01/2016
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	5.50	
Difference	-2.46	-2.46	0.32	-0.64	-0.93	-1.21	-0.85	N/A	-0.81	
Harrison Street Core Property LP	-2.16	-2.16	-2.45	-3.08	N/A	N/A	N/A	N/A	4.50	02/01/2022
NCREIF ODCE Index (AWA) (Net)	-2.10	-2.10	-8.14	-12.88	6.19	4.72	5.43	7.19	-1.28	
Difference	-0.06	-0.06	5.69	9.80	N/A	N/A	N/A	N/A	5.78	



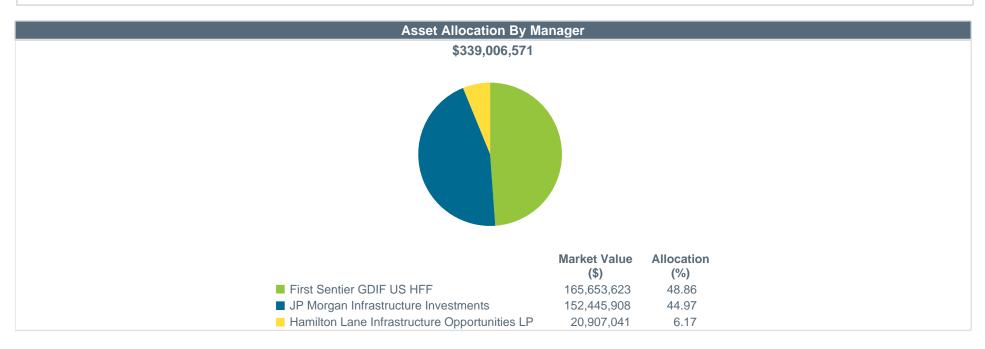






### North Dakota Board of University and School Lands Private Infrastructure

Comparative Performance											
	QTD	FYTD	CYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date	
Private Infrastructure	1.78	1.78	5.84	9.91	N/A	N/A	N/A	N/A	9.25	02/01/2022	
MSCI Wrld Infrastructure Index	-7.33	-7.33	-6.24	3.76	1.39	2.10	2.25	3.32	-6.12		
Difference	9.11	9.11	12.08	6.15	N/A	N/A	N/A	N/A	15.37		
JP Morgan Infrastructure Investments	2.58	2.58	7.64	11.28	N/A	N/A	N/A	N/A	10.48	02/01/2022	
MSCI Wrld Infrastructure Index	-7.33	-7.33	-6.24	3.76	1.39	2.10	2.25	3.32	-6.12		
Difference	9.91	9.91	13.88	7.52	N/A	N/A	N/A	N/A	16.60		
First Sentier GDIF US HFF	1.26	1.26	4.19	8.61	N/A	N/A	N/A	N/A	7.65	05/01/2022	
MSCI Wrld Infrastructure Index	-7.33	-7.33	-6.24	3.76	1.39	2.10	2.25	3.32	-7.53		
Difference	8.59	8.59	10.43	4.85	N/A	N/A	N/A	N/A	15.18		
Hamilton Lane Infrastructure Opportunities LP	0.03	0.03	6.59	10.80	N/A	N/A	N/A	N/A	21.33	08/01/2022	
MSCI Wrld Infrastructure Index	0.00	0.00	1.18	11.97	4.00	3.66	3.37	4.11	-3.16		
Difference	0.03	0.03	5.41	-1.17	N/A	N/A	N/A	N/A	24.49		









## North Dakota Board of University and School Lands Alternative Investment Private Credit Fund Performance Listing

Fund Name	Vintage	Asset Class	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Fund IRR (%)	Quartile	Index IRR (%)	Fund Multiple
AG Direct Lending III LP	2018	Private Credit - Direct Lending	150,000,000	138,000,000	101,587,664	94,338,946	10.63	N/A	0.11	1.42
AG Direct Lending IV LP	2020	Private Credit - Direct Lending	100,000,000	90,648,632	14,521,305	99,459,076	13.71	N/A	-6.88	1.26
Ares Pathfinder LP	2020	Private Credit - Specialty Finance	100,000,000	67,852,983	4,364,056	80,309,425	15.42	N/A	-5.50	1.25
Varde Dislocation LP	2020	Private Credit - Distressed/Special Situations	100,000,000	79,500,000	25,262,426	69,878,395	8.73	N/A	-5.44	1.20
			450,000,000	376,001,615	145,735,451	343,985,842	11.26		-2.91	1.30

Certain valuations (marked with a \*\*) are preliminary estimates of valuation as of the date of reporting and reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. Index IRR represents the dollar-weighted returns calculated using the Barclays US Agg Bond Index assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital. Quartile data is based on information provided by Preqin.



## North Dakota Board of University and School Lands Alternative Investment Private Equity Fund Performance Listing

Fund Name	Vintage	Asset Class	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Fund IRR (%)	Quartile	Index IRR (%)	Fund Multiple
Ashbridge Transformational Secondaries II LP	s 2021	Private Equity - Secondaries	25,000,000	13,500,000	0	18,053,446 *	31.80	N/A	9.09	1.34
Grosvenor BUSL LP	2021	Private Equity - Multi- Stage	130,000,000	40,257,514	1,954,059	43,526,321	9.06	N/A	0.98	1.13
Grosvenor Secondary Opportunities III L	P 2021	Private Equity - Fund of Funds	150,000,000	51,636,257	0	63,257,427 *	21.45	N/A	-0.57	1.23
			305,000,000	105,393,771	1,954,059	124,837,194	16.76		1.27	1.20

Certain valuations (marked with a \*\*) are preliminary estimates of valuation as of the date of reporting and reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. Index IRR represents the dollar-weighted returns calculated using the Russell 3000 Index assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital. Quartile data is based on information provided by Preqin.



Fund Name Vintage	Asset Class	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Fund IRR (%)	Quartile	Index IRR (%)	Fund Multiple
Hamilton Lane Infrastructure Opportunities 2019 LP	Real Assets - Core Infrastructure	25,000,000	19,734,868	1,345,740	20,907,041 *	15.94	N/A	-15.44	1.13
		25,000,000	19,734,868	1,345,740	20,907,041	15.94		-15.44	1.13

Certain valuations (marked with a '\*') are preliminary estimates of valuation as of the date of reporting and reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. Index IRR represents the dollar-weighted returns calculated using the MSCI Wrld Real Estate Index (USD) (Net) assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital. Quartile data is based on information provided by Preqin.



### North Dakota Board of University and School Lands Addendum

#### **Performance Related Comments**

- Manager inception dates shown represent the first full month following initial funding.
- RVK began monitoring the assets of North Dakota Board of University and School Lands in Q3 2014. Prior historical data was provided by North Dakota Board of University and School Lands.
- Real Estate composite, manager, and index performance are available on a quarterly basis. Market values are as of the most recent quarter-end and adjusted for subsequent cash flows. Interim period performance assumes a 0.00% return.
- Indices show N/A for since inception returns when the fund contains more history than the corresponding benchmark.
- As of 07/2014, composite and manager performance is provided and calculated by RVK.
- Net performance for FLP bank loans represent Fees Payable.
- During 03/2021, JPM FI Intermediate Bond transitioned from intermediate duration to full duration core mandate.
- During 08/2021, Schroders Securitized Credit transitioned into Schroders Flexible Secured Income.
- During 12/2022, Varde Dislocation LP was moved from the Opportunistic Investments composite into the Private Credit composite.
- RVK cautions that the interpretation of time-weighted returns on non-marketable investments such as Private Equity, Private Real Estate, and Private Credit is imperfect at best, and can potentially be misleading.

#### **Index Comments**

- The Target Allocation Index (Net) is a static custom index that is calculated monthly and consists of:
  - From 07/2023 through present: 15% Russell 3000 Index, 15% MSCI ACWI Ex USA IMI, 15% Barclays US Aggregate Index, 20% CS Leveraged Loans Index +1.5%, 15% HFRI RV Multi-Strategy Index, 10% NCREIF ODCE Index (AWA) (Net), 8% Cambridge US Private Equity Index, 7% MSCI World Infrastructure Index, and -5% ICE BofAML 3 Month US Treasury Bill Index.
  - From 07/2022 through 06/2023: 15% Russell 3000 Index, 15% MSCI ACWI Ex USA IMI, 5% Barclays US Universal Index, 20% CS Leveraged Loans Index +1.5%, 5% Global 60/40 (60% MSCI All Country World IMI, 40% Barclays US Aggregate Bond Index), 10% HFRI RV Multi-Strategy Index, 15% NCREIF ODCE Index, 8% Cambridge US Private Equity Index, and 7% MSCI World Infrastructure Index.
  - From 05/2020 through 06/2022: 19% Russell 3000 Index, 19% MSCI ACW Ex US Index (USD) (Net), 22% Global Fixed Income Custom Index, 15% NCREIF ODCE Index (AWA) (Net), 15% Absolute Return Index, 5% Cambridge US Private Equity Index, and 5% MSCI World Infrastructure Index.
  - From 07/2019 through 04/2020: 18.5% Russell 3000 Index, 18.5% MSCI ACW Ex US Index (USD) (Net), 23% Global Fixed Income Custom Index, 15% NCREIF ODCE Index (AWA) (Net), 15% Absolute Return Custom Index, and 10% DIS Custom Index.
  - From 02/2018 through 06/2019: 17% Russell 3000 Index, 17% MSCI ACW Ex US Index (USD) (Net), 21% Global Fixed Income Custom Index, 15% NCREIF ODCE Index (AWA) (Net), 20% Absolute Return Custom Index, and 10% DIS Custom Index.
  - From 07/2016 through 01/2018: 17% Russell 3000 Index, 15% MSCI ACW Ex US Index (USD) (Net), 23% Global Fixed Income Custom Index, 15% NCREIF ODCE Index (AWA) (Net), 20% Absolute Return Custom Index, and 10% DIS Custom Index.
  - From 04/2016 through 06/2016: 17.6% Russell 3000 Index, 15.5% MSCI ACW Ex US Index (USD) (Net), 23.8% Global Fixed Income Custom Index, 12% NCREIF ODCE Index (AWA) (Net), 20.7% Absolute Return Custom Index, and 10.4% DIS Custom Index.
  - From 01/2016 through 03/2016: 17.7% Russell 3000 Index, 15.6% MSCI ACW Ex US Index (USD) (Net), 25.3% Global Fixed Income Custom Index, 10% NCREIF ODCE Index (AWA) (Net), 21% Absolute Return Custom Index, and 10.4% DIS Custom Index.
  - From 10/2015 through 12/2015: 17.9% Russell 3000 Index, 15.9% MSCI ACW Ex US Index (USD) (Net), 25.5% Global Fixed Income Custom Index, 9% NCREIF ODCE Index (AWA) (Net), 21.1% Absolute Return Custom Index, and 10.6% DIS Custom Index.
  - From 07/2015 through 09/2015: 19.5% Russell 3000 Index, 17.4% MSCI ACW Ex US Index (USD) (Net), 26.2% Global Fixed Income Custom Index, 4.1% NCREIF ODCE Index (AWA) (Net), 22% Absolute Return Custom Index, and 10.8% DIS Custom Index.
  - From 07/2014 through 06/2015: The index was calculated monthly using beginning of month asset class weights applied to each corresponding primary benchmark return.
  - From 01/2013 through 06/2014: 18.7% Russell 1000 Index, 12.4% Russell 2500 Index, 7.5% FTSE EPRA/NAREIT US Index, 12.4% MSCI EAFE Index (USD) (Net), 33.3% Bloomberg US Agg Bond Index, 0.70% CS Lvg'd Loan Index, 10% Bloomberg US Corp Hi Yld Index, and 5% Bloomberg Gbl Agg Ex USD Index (Hedged).
  - From 07/2009 through 12/2012: 15% Russell 1000 Index, 10% Russell 2500 Index, 6% FTSE EPRA/NAREIT US Index, 10% MSCI EAFE Index (USD) (Net), 32.3% Bloomberg US Agg Bond Index, 1.70% CS Lvg'd Loan Index, 10% Bloomberg US Corp Hi Yld Index, 5% Bloomberg Gbl Agg Ex USD Index (Hedged), and 10% ICE BofAML Cnvrt Bonds Index (All Qual).

### North Dakota Board of University and School Lands Addendum

#### Cont.

- The Global Fixed Income Custom Index is calculated monthly using beginning of month weights applied to each corresponding primary benchmark return. From 04/2019 through 06/2022, the index consisted of the Bloomberg US Unv Bond Index. Prior to 03/2019, the index consisted of 75% Bloomberg US Unv Bond Index and 25% Bloomberg Multi-Universe Index.
- The Absolute Return Custom Index is calculated monthly using beginning of month weights applied to each corresponding primary benchmark return. Prior to 07/2022, the index consisted of 60% MSCI ACW IM Index (USD) (Net) and 40% Bloomberg US Agg Bond Index.

The All Asset Custom Index (Eql Wtd) is an equal-weighted hybrid created independently by RVK specifically for PIMCO's All Asset strategies, and it consists of the following benchmarks:

- 1. Short Term Strategies: ICE BofAML 1 Yr T-Bill Index
- 2. US Core and Long Maturity Bond Strategies: Bloomberg US Agg Bond Index
- 3. EM and Gbl Bond Strategies: PIMCO GLADI Index\*
- 4. Crdt Strategies: ICE BofAML US Hi Yld Master II Index
- 5. Inflation Related Strategies: Bloomberg US Trsy US TIPS Index
- 6. US Equity Strategies: Russell 3000 Index
- 7. Global Equity Strategies: MSCI ACW Index (USD) (Net)
- 8. Alternative Strategies: ICE BofAML 3 Mo US T-Bill Index + 3%

The asset class market performance is represented by the respective indices:

- US Large Cap Equity = S&P 500 Index (Cap weighted)
- US Small Cap Equity = Russell 2000 Index
- Developed International Equity = MSCI EAFE Index (USD) (Net)
- Developed International Small Cap Equity = MSCI EAFE Small Cap Index (USD) (Net)
- Emerging Markets Equity = MSCI Emerging Markets Index (USD) (Net)
- US Aggregate Bond = Bloomberg US Aggregate Bond Index
- 3 Month US Treasury Bill = ICE BofAML 3 Month US T-Bill Index
- US Real Estate = NCREIF ODCE Index (AWA) (Gross)
- Real Estate Investment Trust (REITs) = FTSE NAREIT Equity REITs Index (TR)
- Commodities = Bloomberg Commodities Index (TR)

<sup>\*</sup>Performance for the PIMCO GbI Advantage Bond Index (London Close) prior to 01/01/2004 consists of the JPM EMBI GbI Dvf'd Index (TR).

**PORTLAND** BOISE CHICAGO NEW YORK

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