

**Adams County Retirement Plan
Strategic Asset Allocation and Investment Structure
November 2017**

This document is intended to supplement the Statement of Investment Policy (“IPS”) of the Adams County Retirement Plan. The IPS is long term in nature while this Strategic Asset Allocation and Investment Structure (“Investment Strategy”) document is designed to be reviewed, and if necessary revised, annually by the Board of the Adams County Retirement Plan (“Board”).

The Investment Strategy includes the following:

- Actuarial assumed rate of return,
- Strategic asset class targets and ranges, refined within the IPS allowable ranges,
- Liquidity Policy,
- Investment structure and performance benchmarks for the Total Plan and subcomponents, and
- Contact information for vendors involved with the investments of the Plan.

Actuarial Assumed Rate of Return

The current actuarial assumed rate of return is 7.5%

Strategic Asset Class Targets and Ranges

Asset Class	Sub-Asset Class	Current Target	Allowable Range
Equity		<u>45%</u>	<u>35% - 55%</u>
	Public Equity	40%	35% - 45%
	Private Equity	5%	0% - 10%
Debt		<u>25%</u>	<u>15% - 35%</u>
	Fixed Rate	10%	5% - 15%
	Floating Rate	15%	10% - 20%
Alternatives		<u>30%</u>	<u>15% - 40%</u>
	Low Volatility	10%	5% -15%
	Liquid Real Assets	5%	0% - 10%
	Equity Real Estate	15%	10% - 20%

Liquidity Policy

The IPS states that the Executive Director of the Plan will determine the appropriate level of cash reserves depending on the anticipated liquidity needs. The Executive Director has determined that the current liquidity requirement is \$2 million. When the balance exceeds \$3 million, excess reserve cash will be transferred into the invested assets. When the balance falls below \$500,000, the cash reserves will be replenished to \$2 million by liquidation of invested assets. The Executive Director, with the assistance of the Investment Consultant, will coordinate all investment manager cash inflows and outflows with the effected products and with the Plan’s custodial bank.

Investment Structure and Performance Benchmarks

The Plan’s investments, in total, by asset class and by individual manager, will be measured against appropriate benchmarks. Unless otherwise stated, performance will be compared on a net-of-investment management fees basis.

Absolute Return:	7.5%		
Relative Return:	Public Defined Benefit Pension Plans		
Benchmark Index:	40%	MSCI All Country World	(Equity – Public)
	5%	Russell 3000	(Equity – Private)
	10%	BBgBarc US Aggregate	(Debt – Fixed Rate)
	15%	Credit Suisse Leverage Loan	(Debt – Floating Rate)
	5%	HFRI Fund of Funds	(Low Volatility – Hedge FOF)
	5%	50% S&P 500/50% T-Bills	(Low Volatility – Defensive Equity)
	5%	Alerian MLP	(Liquid Real Assets – MLPs)
	10%	NFI ODCE Net of Fees	(Equity Real Estate – Private Core)
	5%	NCREIF Property	(Equity Real Estate – Private Value-add)

Investment management structure and benchmarks are on the following pages.

Investment Manager	Investment Product	Fee Structure	Investment Style/Universe	Benchmark Index	Target Allocation
Vanguard Group	Vanguard Institutional Index fund, Ticker VINIX	0.04% Expense Ratio	U.S. Equity S&P 500 Index	S&P 500	10%
Vanguard Group	Vanguard Total International Stock Market Index fund, Ticker VTSNX	0.09% Expense Ratio	Non-U.S. Equity Index	FTSE Global All Cap ex-US	10%
Capital Group/American Funds	New Perspective fund – R6 shares, Ticker RNPGX	0.45% Expense Ratio	Global Equity – Growth	MSCI All Country World	5%
Dodge & Cox	Dodge & Cox Global Stock fund, Ticker DODWX	0.63% Expense Ratio	Global Equity – Value	MSCI All Country World	5%
Fidelity Institutional Asset Management	Smid Cap Core Commingled fund: (IRS Rev. Rul. 81-100 fund)	0.65% of Assets	U.S. Equity Smid Cap Core	Russell 2500	5%
Aberdeen Asset Management	Emerging Markets fund, Ticker ABEMX	1.10% Expense Ratio	Emerging Markets Equity – Core	MSCI Emerging Markets	5%
Private Equity Program	Multiple Managers/Products	Varies	Private Equity	Russell 3000	5%
Denver Investments	Separate Account	0.30% on first \$25 million 0.25% on the balance	Core Fixed Income	BBgBarc US Govt/Credit	5%
TCW Group	MetWest Total Return Bond fund – Ticker MWTIX	0.44% Expense Ratio	Core Fixed Income	BBgBarc US Aggregate	5%
Barings LLC	Babson Floating Rate Income Fund – Commingled fund	0.48% of Assets	Senior Secured Floating Rate Loans	Credit Suisse Leveraged Loans	5%
Private Debt/Credit Program	Multiple Managers/Products	Varies	Private Debt and Credit	Credit Suisse Leveraged Loans	10%

Investment Manager	Investment Product	Fee Structure	Investment Style/Universe	Benchmark Index	Target Allocation
Grosvenor Capital Management	Grosvenor Institutional Partners, L.P.	1.25% on first \$25 million 1.00% on next \$25 million	Hedge Fund of Funds Multi-Strategy	HFR Fund of Funds - Diversified	5%
Parametric	Parametric Defensive Equity fund LLC	0.35% of Assets	Defensive Equity	50% S&P 500 / 50% T-Bills	5%
Tortoise Capital Advisors	Master Limited Partnership (MLP) Separate Account	0.75% of Assets	U.S. Equity MLPs	Alerian MLP	5%
Principal Real Estate Investors	Principal U.S. Property Account: Insurance Separate Account	1.1% under \$10 million 1.0% over \$10 million 0.95% over \$25 million	Equity Real Estate - U.S. Private Core	NFI ODCE	10%
Harbert Management Corporation	Harbert United States Real Estate Fund V – Commingled fund	1.5% of Committed/Managed Assets 20% incentive over 9% Preferred	Equity Real Estate - U.S. Private Value-add	NCREIF Property	5%
	Harbert United States Real Estate Fund VI – Commingled fund	1.25% of Committed/Managed Assets 20% incentive over 9% Preferred	Equity Real Estate - U.S. Private Value-add	NCREIF Property	

Private Equity Program Structure:

Management Firm	Investment Product	Commitment	Vintage	Investment Fees	Investment Style
Mesirow Private Equity Investments	Equity Partnership Fund III, L.P.	\$4 million	2005 - 2007	1.0% of Committed Capital	Private Equity Multi-Strategy FOF
	Equity Partnership Fund IV, L.P.	\$4.5 million	2007 - 2009	1.0% of Committed Capital	Private Equity Multi-Strategy FOF

Management Firm	Investment Product	Commitment	Vintage	Investment Fees	Investment Style
Adams Street Partners	Partnership Fund Program - 2012 Global Offering	\$4 million	2012 - 2014	1.0% on first \$25 million: 0.5% Year 1, 0.75% Year 2, 10% decline per year after year 7	Private Equity Multi-Strategy FOF
NGP Energy Capital Management	NGP Natural Resources XI, L.P.	\$2 million	2015 - 2017	1.5% of Committed Capital 20% Carry over 8% Preferred	North American Energy
Strategic Value Partners, LLC	Strategic Value Partners Special Situations III, L.P.	\$2 million	2015 - 2017	1.75% of Committed Capital 20% Carry over 8% Preferred	Global Distressed Debt and Special Situations
RCP Advisors	RCP Fund XI, LP	\$6 million	2016 - 2018	Yrs 1 - 5: 1% of Committed Capital Yrs 6 - 10: 0.75% of Committed Capital 5% Carry over 12% Preferred	Private Equity - Small Buyout FOF

Private Debt/Credit Program Structure:

Management Firm	Investment Product	Commitment	Vintage	Investment Fees	Investment Style
Principal Global Investors	Principal Real Estate Debt Fund, L.P.	\$10 million	2014 - 2016	0.65% of Invested Assets 15% Incentive over 8% Preferred	Mezzanine/High Yield Real Estate Loans
Golub Capital Partners	Golub International 11, L.P.	\$8 million	2016 - 2018	1.25% of Middle Market Assets 0.50% of Syndicated Loan Assets 20% Carry over 8% Preferred	Middle Market Loans
Principal Global Investors	Principal Real Estate Debt Fund II, L.P.	\$12 million	2017 - 2019	0.85% of Invested Assets 15% Incentive over 7% Preferred	Mezzanine/High Yield Real Estate Loans