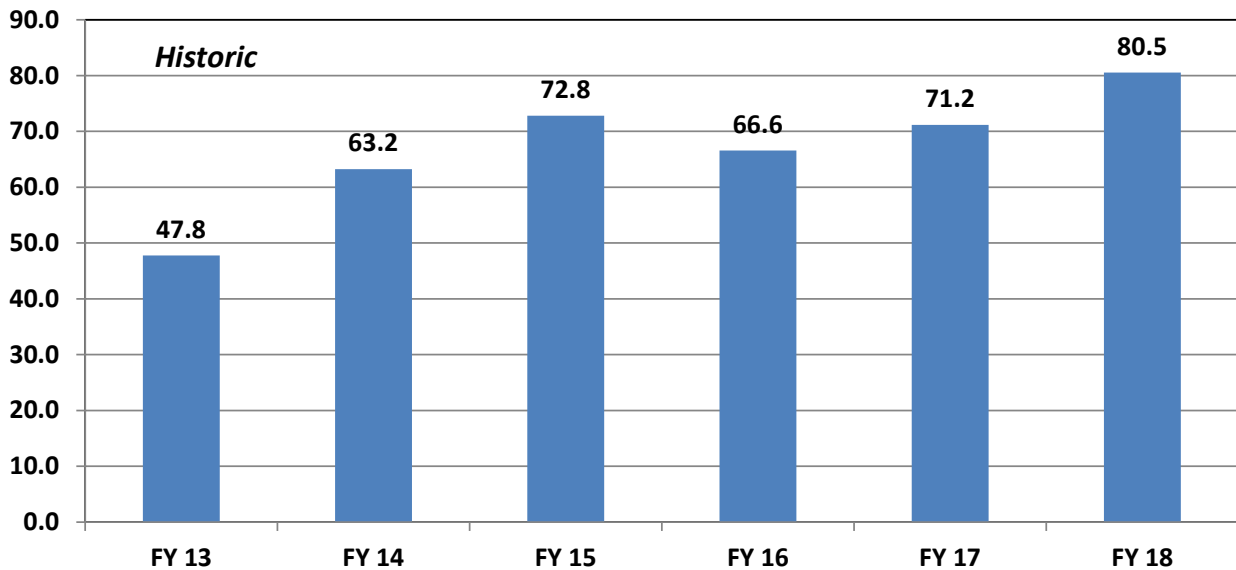


# Treasurer's Office Operating Indicators as of 6/30/18






<p><b>Total Debt (in millions)</b></p> <p><b>\$1,616.2</b></p> <p><b>Commercial Paper</b> (in millions) Total: \$40.0M Drawn: \$11.2M</p> <p><b>Total Pooled Investments</b> (in millions)</p> <p><b>\$1,931.7</b></p>	<p><b>Debt</b></p> <p>Projected FY18 Debt Capacity Ratio - 4.4% Policy Limit is 7.0%</p> <p><b>University of Colorado</b> <b>Bond Ratings:</b></p> <p><b>Moody's: Bond Rating: Aa1</b> <b>Commercial Paper: P-1</b> <b>(Stable)</b></p> <p><b>Fitch: Bond Rating: AA+</b> <b>Commercial Paper: F1+</b> <b>(Up)</b></p>
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**Pooled Realized Earnings in Millions \$**








# Operating Indicators for the Investment Environment

## Quarter ending 6/30/2018

<b>Stocks</b>	S & P 500 index	3.43%	
	Non-US Equity (MSCI ACWI)	0.53%	
<b>Bonds</b>	Bloomberg Aggregate Bond Index	-0.16%	
	Treasury Pool Performance	1.15%	
	Benchmark Performance	0.91%	

## 12 months ending 6/30/2018

<b>Stocks</b>	S & P 500 index	14.37%	
	Non-US Equity (MSCI ACWI)	10.73%	
<b>Bonds</b>	Bloomberg Aggregate Bond Index	-0.40%	
	Treasury Pool Performance	7.41%	
	Benchmark Performance	5.57%	

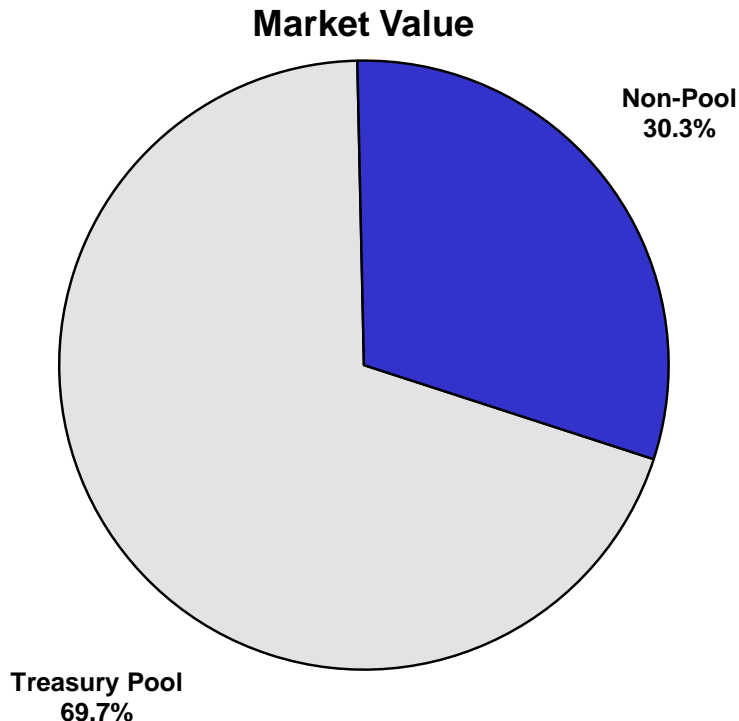
# UNIVERSITY OF COLORADO

## Treasury Pool and Non-Pool Investments as of 6/30/2018

Treasury Pool and Non-Pool Investments	6/30/2018 Market Value (In Millions)	6/30/2017 Market Value (In Millions)
Treasury Pool:		
Investments	\$1,931.7	\$1,943.8
Treasury Internal Loans	20.4	25.3
Treasury Pool	\$1,952.0	\$1,969.1
Non-Pool	850.4 *	599.3
Total Investments	\$2,802.5	\$2,568.4

Treasury Pool and Non-Pool Investments	Cost Basis (In Millions)	Cost Basis (In Millions)
Treasury Pool:		
Investments	\$1,672.3	\$1,760.4
Treasury Internal Loans	20.4	25.3
Subtotal Treasury Pool	\$1,692.7	\$1,785.7
Non-Pool	801.1	559.6
Total Investments	\$2,493.8	\$2,345.3

\* Includes \$161M of cross-over refunding debt escrow assets



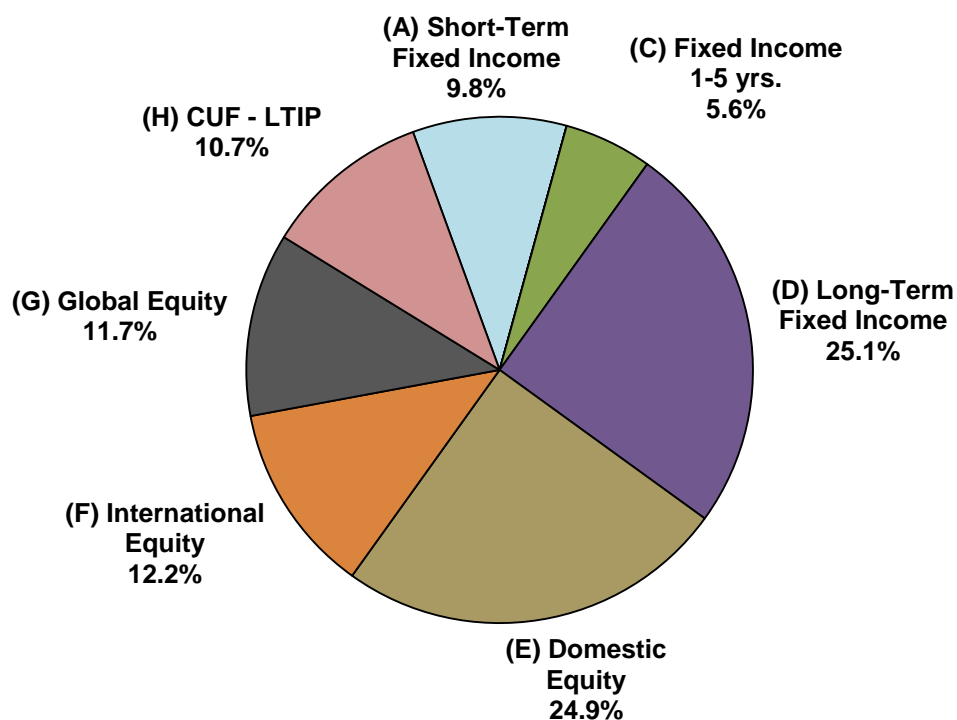
# UNIVERSITY OF COLORADO

## Treasury Pool Investment Returns and Market Values at 6/30/2018

<b>Returns vs. Benchmarks</b>	<b>TOTALS</b>
Returns (By Segment) Apr-Jun	1.15%
Benchmark Returns Apr-Jun	0.91%
Returns (By Segment) Last 12 Months	7.41%
Benchmark Returns Last 12 Months	5.57%
Returns (By Segment) Last 3 Years	5.64%
Benchmark Returns Last 3 Years	4.87%

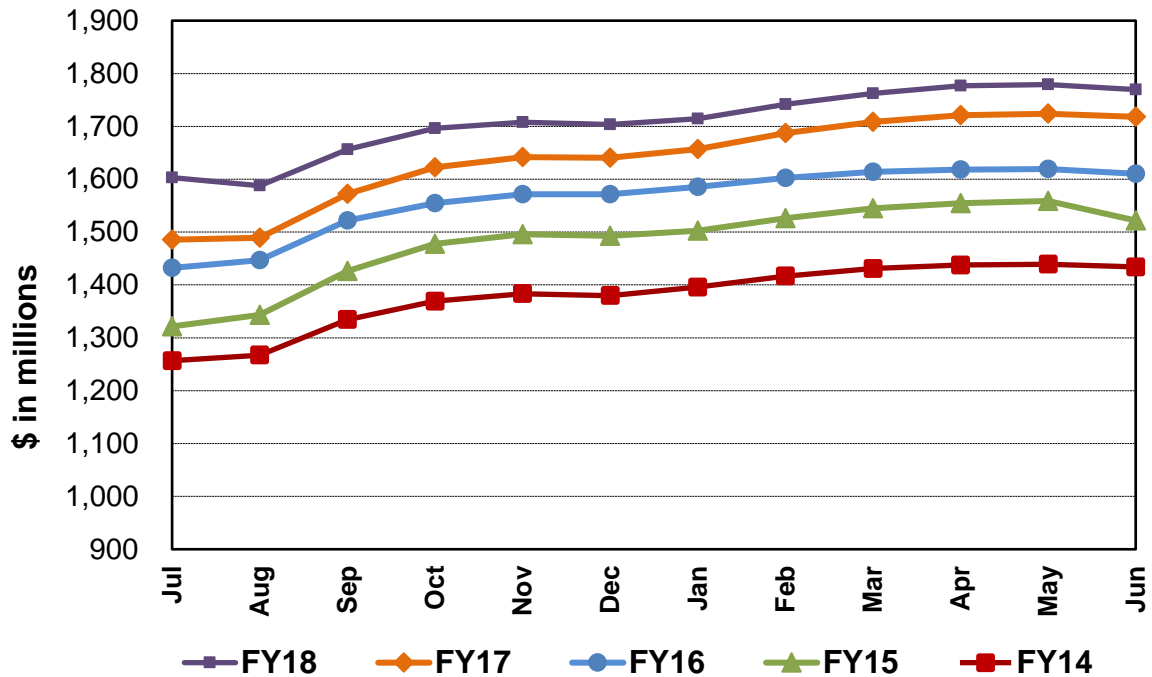
<b>Asset Categories</b>	<b>Segment</b>	<b>6/30/2018 Market Value (In Millions)</b>	<b>6/30/2017 Market Value (In Millions)</b>
(A) Short-Term Fixed Income	1	189.7	326.1
(B) Enhanced Cash	1.5	0.0	0.0
(C) Fixed Income 1-5 yrs.	2	108.8	269.1
(D) Long-Term Fixed Income	3	484.4	377.7
(E) Domestic Equity	3	481.2	418.7
(F) International Equity	3	235.5	187.5
(G) Global Equity	3	226.1	184.5
(H) CUF - LTIP	3	205.9	180.2
<b>Total Market Value of Pool <sup>1</sup></b>		<b>1,931.7</b>	<b>1,943.8</b>

<sup>1</sup> Market values include accrued interest and dividends



# UNIVERSITY OF COLORADO

## Average Daily Balances - Treasury Pool Investments



\*Average Daily Balances include pooled investments only at cost

## Pooled Investment Realized Revenues and Expenditures as of Quarter Ending June 30

	Actual FY18	Actual FY17
REVENUES	80,541,941	71,157,682
Less:		
Bank Services, Manager and Consultant Fees	7,273,601	6,798,610
Operating Expenses	1,333,851	1,258,579
<b>TOTAL NET REVENUES</b>	<b>89,149,393</b>	<b>79,214,870</b>

## Report on Investment of University Custodial Endowments

The University of Colorado Foundation, Inc. performs as the investment manager for the University Custodial Endowments. Under the governance structure at the Foundation, the Foundation's Investment Committee makes policy and asset allocation recommendations regarding investments to the Foundation's Board of Directors. The Foundation's Board of Directors has fiduciary responsibility for the investment of these funds. Actual management of the investments is handled by Perella Weinberg Partners.

The University Custodial Endowments is comprised of assets gifted to or restricted by the Regents of the University of Colorado, which are under the control of the Foundation for investment management purposes in accordance with the Regent action in 1982 and the revised investment agreement signed in June, 2007.

As of June 30, 2018, the University Custodial Endowments had a total market value of \$222.3 million. This is approximately 13.3% of the total managed by the CU Foundation in the Long Term Investment Pool (LTIP). The other funds in the LTIP are gifts given to the University of Colorado Foundation directly, for the benefit of the University of Colorado and the university's investment for its Treasury Pool.



### Long Term Investment Pool Asset Allocation as of 6/30/2018

Asset Class	Allowable Allocation	PWP LT Target Allocation	Actual Allocation*
<b>Equity-Like-80%</b>			
Global Public Equities	30% - 70%	45.00%	48.60%
<i>Domestic</i>			19.59%
<i>International</i>			14.68%
<i>Global</i>			14.33%
Global Private Capital	15% -35%	25.00%	23.46%
Real Assets	5% -20%	10.00%	8.32%
Stock Distributions			0.03%
			<u>80.42%</u>
<b>Fixed Income-Like</b>			
Global Hedge Funds	0 - 30%	15.00%	15.42%
Global Fixed Income & Cash	0 - 20%	5.00%	4.16%
			<u>19.58%</u>
<b>Total</b>		<b>100.00%</b>	<b>100.00%</b>
Ending Market Value at 6/30/2018			\$1,668,750,126
Ending Cost Basis at 6/30/2018			\$1,226,813,833
Unrealized Gain at 6/30/2018			<u>\$441,936,293</u>

\*Allocation data from performance reports and Market Value data from service delivery / accounting reports.

## **Report on University Bank Accounts**

One new Bank Accounts was opened for the Anschutz Medical campus, and none were closed during FY18 Q4.

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## **Report on Authorized Traders**

On November 14, 1996, the Regents authorized the Treasurer to designate employees to perform in-house investment transactions which are the day-to-day business of the Treasurer's office and which follow the Investment Policy approved by the Board. All investment purchases except investments in Money Market Funds in the Goldman Sachs portal, CUF LTIP, Fisher Small Cap Value Fund, and all equity mutual funds are safe kept by Wells Fargo Institutional Retirement and Trust. All proceeds from investment maturities or sales are wired to the University's concentration bank account per the University's contract agreement with Wells Fargo.

The authorized traders (all from the Treasurer's Office) are Dan Wilson, Gary Bomba, and Michelle Travis.

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## **Report on Liability Management**

As of June 30, 2018, the University of Colorado had approximately \$1.62 billion in outstanding long-term external obligations. Directly issued revenue bonds accounted for approximately \$1.56 billion of the total external obligations. The balance is comprised of the CUPCO Campus Village Apartment bonds (\$53.0 million) and Fitzsimons Redevelopment Authority bonds (\$7.5 million). CU's current projected debt ratio for FY18, which measures the university's ability to meet currently outstanding debt service obligations with current resources<sup>[1]</sup>, is 4.4%. When all approved (but not yet financed) capital projects from the five-year capital plan are included, the debt ratio decreases to a forecasted low of 2.9% by fiscal year 2024. University of Colorado started a Commercial Paper program on June 5, 2018 and has issued \$40.0M.

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## **Internal Loans from Treasury Pool and Permanent Land Fund**

The University's debt financing strategy limits internal loans to 15% of the Treasury Pool investment balance. For fiscal year 2018, this level is \$242 million.

As of June 30, 2018, the principal outstanding on internal campus loans totaled \$9.1 million, and outstanding receivables totaled \$11.2 million. The university has an additional \$58.1 million in outstanding loan commitments, which have not been drawn down.

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<sup>[1]</sup> The Value and Earnings Stabilization Fund totaled \$45 million as of June 30, 2018.

**Outstanding Long-Term Obligations of the University of Colorado  
As of June 30, 2018**

Long-Term Obligations	Final Maturity	Interest Rate	Original Amount Issued	Outstanding
<b><u>Revenue Bonds</u></b>				
University Enterprise Revenue Refunding Bonds, Series 2007A	2033	3.625 to 5.0	184,180,000	27,725,000
University Enterprise Revenue Bonds, Series 2009A	2038	2.75 to 5.375	165,635,000	5,235,000
Tax-Exempt University Enterprise Revenue Bonds, Subseries 2009B-1	2018	2.0 to 5.0	76,725,000	0
Taxable University Enterprise Revenue Bonds, Series 2009B-2 (BAB)	2036	4.579 to 6.264	138,130,000	138,130,000
Tax-Exempt University Enterprise Refunding Revenue Bonds, Series 2009C	2026	2.0 to 5.0	24,510,000	2,545,000
Taxable University Enterprise Revenue Bonds, Series 2010A (BAB)	2035	0.755 to 5.601	35,510,000	26,430,000
Tax-Exempt University Enterprise Refunding Revenue Bonds, Series 2010B	2023	2.0 to 5.0	56,905,000	20,790,000
Taxable University Enterprise Revenue Bonds, Series 2010C (QECCB)	2020	1.155 to 3.773	4,375,000	2,775,000
University Enterprise Revenue Bonds, Series 2011A	2041	2.0 to 5.0	203,425,000	35,060,000
University Enterprise Revenue Refunding Bonds, Series 2011B	2024	2.0 to 5.0	52,600,000	39,485,000
University Enterprise Revenue Refunding Bonds, Series 2012A-1	2029	1.5 to 5.0	121,850,000	119,125,000
University Enterprise Revenue Refunding Bonds, Series 2012A-2	2035	2.0 to 5.0	53,000,000	43,015,000
University Enterprise Revenue Refunding Bonds, Series 2012A-3	2030	2.0 to 5.0	47,165,000	34,015,000
University Enterprise Revenue Bonds, Series 2012B	2042	2.0 to 5.0	95,705,000	17,940,000
Tax-Exempt University Enterprise Revenue Bonds, Series 2013A	2043	2.0 to 5.0	142,460,000	13,515,000
Taxable University Enterprise Revenue Bonds, Series 2013B	2043	1.088 to 5.177	11,245,000	10,540,000
Tax-Exempt University Enterprise Revenue Bonds, Series 2014A	2046	0.550 to 3.440	203,485,000	38,670,000
Tax-Exempt University Enterprise Refunding Revenue Bonds, Series 2014B1	2034	0.180 to 3.490	100,440,000	97,790,000
Tax-Exempt University Enterprise Refunding Revenue Bonds, Series 2015A	2038	0.17 to 3.29	102,450,000	95,190,000
Tax-Exempt University Enterprise Refunding Revenue Bonds, Series 2015B	2033	0.22 to 3.09	3,925,000	2,910,000
Taxable University Enterprise Refunding Revenue Bonds, Series 2015C	2027	0.299 to 3.039	71,325,000	66,445,000
Tax-Exempt University Enterprise Revenue Bonds, Series 2016A	2047	1.5 to 5.0	31,430,000	30,885,000
Tax-Exempt University Enterprise Revenue Refunding Bonds, Series 2016B-1	2039	2.0 to 5.0	156,810,000	155,245,000
Tax-Exempt University Enterprise Revenue Refunding Bonds, Series 2017A-1	2034	3.0 to 5.0	66,930,000	61,505,000
Tax-Exempt University Enterprise Revenue Refunding Bonds, Series 2017A-2	2046	3.0 to 5.0	471,390,000	470,745,000
<b>Total Revenue Bonds</b>			<b>\$2,621,605,000</b>	<b>\$1,555,710,000</b>
<b><u>Other Long-Term Obligations</u></b>				
Fitzsimons Redevelopment Authority, Series 2014(1)	2025	2.3	11,695,000	7,481,000
Colorado Educational & Cultural Facilities Authority Student Housing Revenue Refunding Bonds, Series 2008(2)	2037	4.0 to 5.5	54,055,000	53,040,000
<b>Total Other Long-Term Obligations</b>			<b>\$65,750,000</b>	<b>\$60,521,000</b>
<b>Total Revenue Bonds &amp; Other Obligations</b>			<b>\$2,687,355,000</b>	<b>\$1,616,231,000</b>

<sup>1</sup> Issued to refund bonds, the proceeds of which financed the University Physicians Inc. (UPI) building.

<sup>2</sup> These bonds were issued on behalf of an affiliate of the University of Colorado Real Estate Foundation to refinance a student housing facility on the downtown Denver campus. The facility has been acquired and the bond obligations have been assumed by the CU Property Corporation.