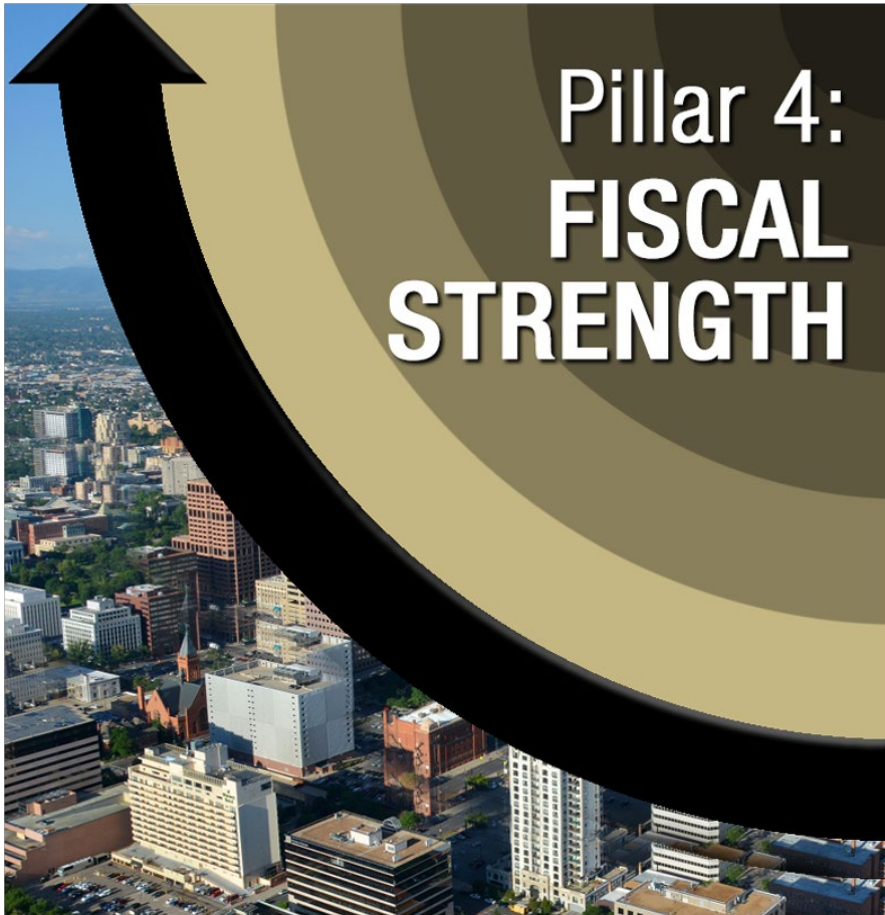


FY 2022-23 Efficiencies

March 26, 2024

Regent Finance Committee

Introduction



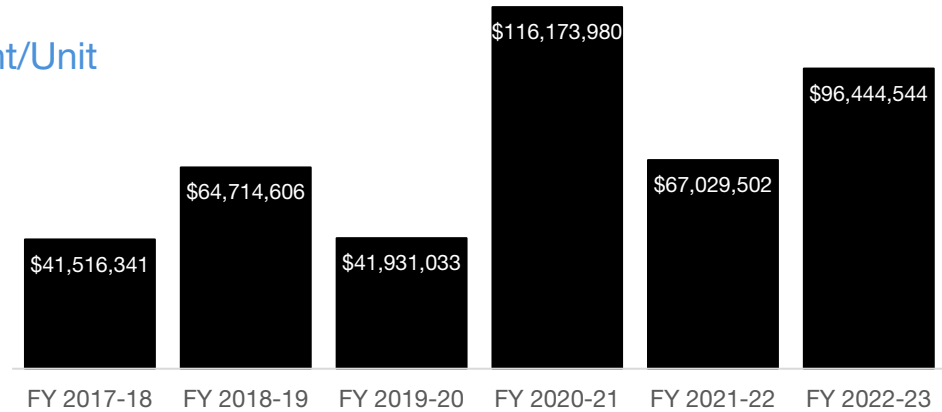
The university reports annually on its ongoing efforts to increase efficiency and deliver greater value. These efforts result in savings for students, departments, campuses, and employees.

Efficiency Efforts

- Pursue low-cost sourcing and efficiencies to reduce spending on books and pass savings to students
- Reviewing current processes for students and staff to ensure that they are updated and necessary
- Upgrade of building LED lights, boilers, roofs, insulation, and other equipment that provide savings in energy costs
- Realize personnel savings as a result of restructuring, reorganizing administrative areas, and implementing new systems
- Review technology equipment refresh cycle, ability to digitize processes and implementation of more efficient standardized operating procedures

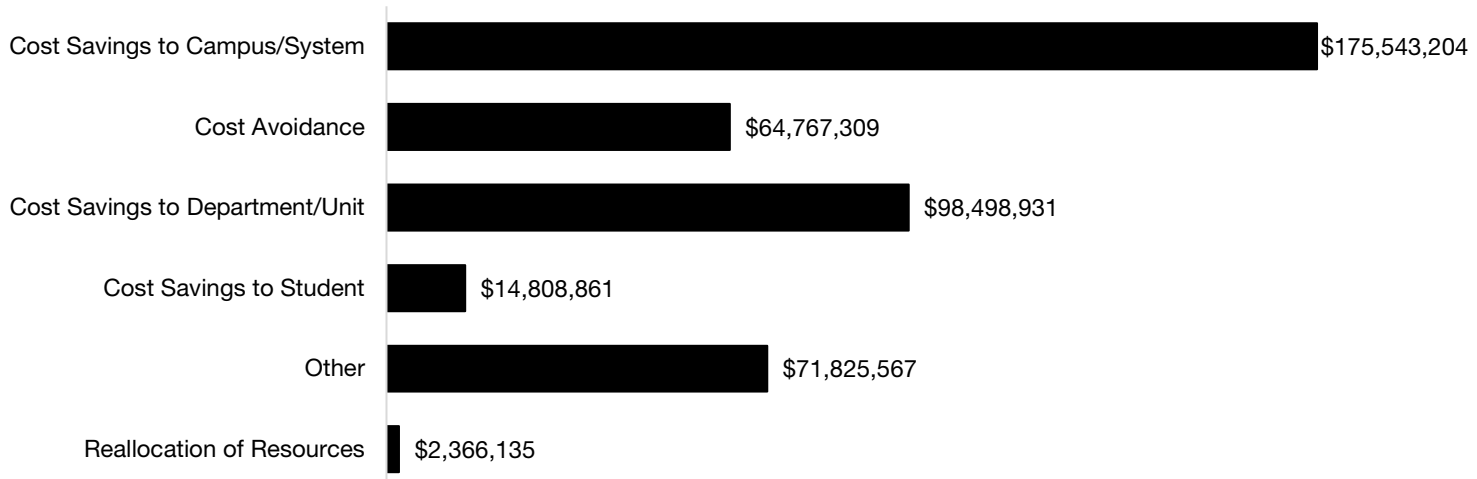
- The university reports annually on its ongoing efforts to increase efficiency and deliver greater value. These efforts result in savings to students, departments, campuses, and employees.

- Cost Savings to Campus/System
- Cost Savings to Department/Unit
- Cost Avoidance
- Cost Savings to Student
- Other
- Reallocation of Resources



\$428 million
FY 2017-18 to FY 2022-23

FY 2017-18 to FY 2022-23



Source: CU System Budget & Finance, Operating Efficiencies Report

FY 2022-23 CU Efficiencies Overview

Efficiency Type	Actions	Estimated Savings
Cost Avoidance	41	\$ 8,462,637
Cost Savings to Campus/ System	74	\$ 51,589,837
Cost Savings to Department/ Unit	180	\$ 22,052,766
Cost Savings to Student	3	\$ 3,150,000
Other	23	\$ 11,129,303
Reallocation of Resources	2	\$ 60,000
TOTAL	323	\$ 96,444,544

Accumulate Savings for Investment	4	\$ 6,819,489
Other	8	\$ 2,480,300
Redirect Savings to Area of Need outside Department/Unit	46	\$ 33,581,871
Redirect Savings to Area of Need within Department/Unit	123	\$ 21,378,466
Reduce Ongoing Costs of Operation	142	\$ 32,184,418
TOTAL	323	\$ 96,444,544

A scenic mountain valley with a dirt road, evergreen forests, and a bright sun in the sky. The sun is positioned in the upper left, creating a lens flare effect. The valley is filled with dense evergreen trees, and the mountainsides are rocky and sparsely vegetated. The sky is blue with scattered white clouds. The overall atmosphere is bright and sunny.

CU Boulder

FY 2022-23 CU Boulder Efficiencies

Efficiency Type	Actions	Estimated Savings
Cost Avoidance	11	\$ 1,710,711
Cost Savings to Campus/ System	7	\$ 104,535
Cost Savings to Department/ Unit	42	\$ 1,103,952
Cost Savings to Student	2	\$ 1,320,000
Other	6	\$ 20,000
Reallocation of Resources	0	\$ -
TOTAL	68	\$ 4,259,198

Other	3	\$ 2,305,000
Redirect Savings to Area of Need outside Department/Unit	7	\$ 39,500
Redirect Savings to Area of Need within Department/Unit	34	\$ 1,314,455
Reduce Ongoing Costs of Operation	24	\$ 600,243
TOTAL	68	\$ 4,259,198

CU Boulder Efficiencies

Students

- The CU Bookstore utilized its inclusive access program to deliver electronically delivered course materials to applicable classes
 - The bookstore can negotiate bulk discounts, which are passed on to the student
 - \$1.3 million estimated annual savings
- Eliminated the institutional aid application used to identify families that looked low-income on the FAFSA but were higher
 - Cutting down workload for staff and removing an access barrier for students
 - Benefit students due to the improved process
 - \$20,000 estimated annual savings

CU Boulder Efficiencies

Space and Infrastructure

- The College of Engineering and Applied Science replaced seven old low-efficiency fume hoods with more modern, high-efficiency ones
 - Five of the seven hoods were salvaged from lab remodels, further increasing their cost efficiency
 - The higher-efficiency hoods also free up exhaust capacity for future exhaust demands
 - \$50,000 estimated one-time savings

Operational

- The Research Integrity Office (RIO) implemented a new delivery system utilizing Distribution Services to deliver packages
 - This process ensures timely, consistent delivery without requiring office staff to monitor the door throughout the day
 - Frees up at least one hour per day of administrative time
 - \$9,880 estimated annual savings

CU Boulder Efficiencies

Leveraging Technology

- BioFrontiers found residual value for retired Office of Information Technology networking hardware in the BioFrontiers cluster environment
 - They recycled hardware from the campus science network and used those resources to improve other segments of the BioFrontiers computing network
 - \$100,000 estimated one-time savings

A scenic mountain valley with a dirt road, evergreen forests, and a bright sun in the sky. The sun is positioned in the upper left, creating a lens flare effect. The valley is filled with dense evergreen trees, and a dirt road winds through the foreground. The sky is blue with scattered white clouds. The overall scene is bright and sunny.

CU Denver

FY 2022-23 CU Denver Efficiencies

Efficiency Type	Actions	Estimated Savings
Cost Avoidance	9	\$ 170,400
Cost Savings to Campus/ System	6	\$ 74,897
Cost Savings to Department/ Unit	33	\$ 833,948
Cost Savings to Student	0	\$ -
Other	0	\$ -
Reallocation of Resources	2	\$ 60,000
TOTAL	50	\$ 1,139,245

Other	1	\$ 40,000
Redirect Savings to Area of Need within Department/Unit	11	\$ 574,152
Reduce Ongoing Costs of Operation	38	\$ 525,093
TOTAL	50	\$ 1,139,245

CU Denver Efficiencies

Space and Infrastructure

- Continued energy efficiency measures
 - Replacement of inefficient lighting with LED lighting
 - Replacement of alkaline smoke detectors with Lithium batteries in Lynx Crossing
 - Implemented space and technology efficiencies through shared offices, cubicles and meeting room spaces
 - \$47,000 estimated annual savings

CU Denver Efficiencies

Operational

- Reduction of general operating expenses as a result of targeted reduced spending, reduced printing, eliminated copier contracts, and implementation of more efficient standardized operating procedures
 - \$335,000 estimated annual savings*
- Reduction of expenses through partnership building, researching competing vendors and utilizing enterprise agreements
 - \$16,000 estimated annual savings
- Personnel savings as a result of restructuring and reorganizing administrative areas and eliminating positions through attrition
 - \$818,000 estimated annual savings

*\$125,000 of savings is from consolidated entities, shared with the CU Anschutz campus

CU Denver Efficiencies

Leveraging Technology

- Utilization of technology to further paperless initiatives and process improvements
 - Implemented DocuSign in Facilities to more efficiently manage document routing and signatures
 - Moved from paper system to QR codes for Applied Lesson scheduling
 - \$88,000 estimated annual savings*

*\$57,000 of savings is from consolidated entities, shared with the CU Anschutz campus



CU Anschutz

FY 2022-23 CU Anschutz Efficiencies

Efficiency Type	Actions	Estimated Savings
Cost Avoidance	11	\$ 3,588,941
Cost Savings to Campus/ System	8	\$ 2,365,330
Cost Savings to Department/ Unit	46	\$ 1,644,190
Cost Savings to Student	0	\$ -
Other	5	\$ 62,300
Reallocation of Resources	0	\$ -
TOTAL	70	\$ 7,660,761

Accumulate Savings for Investment	1	\$ 6,183
Other	3	\$ 15,300
Redirect Savings to Area of Need within Department/Unit	10	\$ 1,124,498
Reduce Ongoing Costs of Operation	56	\$ 6,514,780
TOTAL	70	\$ 7,660,761

CU Anschutz Efficiencies

Space and Infrastructure

- Continued energy efficiency measures
 - Xcel Energy rebates for energy savings initiatives and savings from purchasing natural gas directly from suppliers
 - Replacement of inefficient lighting with LED lighting
 - Removal of bluegrass on the Anschutz campus, resulting in savings on water, fertilizer, and maintenance costs
 - Recommissioned additional building HVAC systems to optimize performance and energy efficiency
 - Implemented space and technology efficiencies through shared offices and cubicles
 - \$5.0 million estimated annual savings

CU Anschutz Efficiencies

Operational

- Reduction of general operating expenses as a result of reduced printing, eliminating copier contracts, and implementation of more efficient standardized operating procedures
 - \$1.1 million estimated annual savings*
- Reduction of expenses through partnership building, researching competing vendors, and utilizing enterprise agreements
 - \$1.0 million estimated annual savings
- Personnel savings as a result of consolidating and reorganizing administrative areas
 - \$135,000 estimated annual savings

*\$125,000 of savings is from consolidated entities, shared with the CU Denver campus

CU Anschutz Efficiencies

Leverage Technology

- Utilization of technology to further paperless initiatives and process improvements
 - Implemented Smartsheet technology to replace manual and paper processes in the areas of HR recruitment, on-call payment processing in School of Medicine
 - Implemented DocuSign in Facilities to more efficiently manage document routing and signatures
 - Implemented OnBase forms to eliminate manual data entry
 - \$281,000 estimated annual savings*

*\$57,000 of savings is from consolidated entities, shared with the CU Denver campus



UCCS

FY 2022-23 UCCS Efficiencies

Efficiency Type	Actions	Estimated Savings
Cost Avoidance	1	\$ 57,000
Cost Savings to Campus/System	5	\$ 107,187
Cost Savings to Department/ Unit	3	\$ 39,000
Cost Savings to Student	1	\$ 1,830,000
Other	8	\$ 1,832,928
Reallocation of Resources	0	\$ -
TOTAL	18	\$ 3,866,115

Other	1	\$ 120,000
Redirect Savings to Area of Need outside Department/Unit	2	\$ 54,000
Redirect Savings to Area of Need within Department/Unit	7	\$ 108,928
Reduce Ongoing Costs of Operation	8	\$ 3,583,187
TOTAL	18	\$ 3,866,115

UCCS Efficiencies

Students

- Textbook Affordability and Access Program (TAAP) provides students easy and affordable access to their textbooks by the first day of class
 - \$1.83 million estimated annual savings

Space and Infrastructure

- Replaced Gallogly Rec & Wellness Center pool boiler
 - Improved boiler operating efficiencies will save energy costs and aid in reducing ongoing maintenance and repair costs
 - \$8,000 estimated annual savings
- Replacement of El Pomar Center/Kraemer Family Library and Columbine roof, decking, and insulation
 - Up to \$16,000 estimated annual savings

UCCS Efficiencies

Operational

- Human Resources automated updated standard operating procedures
 - Automated filing of merit increase letters and performance evaluations
 - Provided a charge meeting recording to initiate position searches
 - Utilized an existing system to disclose and track conflict of interest disclosures
 - \$37,000 estimated annual cost avoidance
- Infrastructure and Sustainability consolidated technicians' communication devices to one phone model and one carrier, implemented Mobile Device Management (MDM) software to manage the devices in-house and migrated the Housing Group into this shared system
 - Faster response time to work orders
 - \$10,000 estimated annual savings
- Campus-wide position eliminations
 - \$1.7 million estimated annual savings

UCCS Efficiencies

Leveraging Technology

- Negotiated combined purchase of computers between the Office of Information Technology and College of Engineering for the new Engineering Building
 - \$100,000 estimated one-time savings
- MOU between Underline Inc. and UCCS to swap 12 fiber strands
 - \$300,000 estimated one-time savings
- Move more systems to virtual labs within the College of Engineering and Learning Excel Centers
 - \$90,000 estimated initial savings and \$30,000 ongoing
- Redistributed computers and laptops across campus
 - \$46,000 estimated one-time savings



System Administration

FY 2022-23 System Administration Efficiencies

Efficiency Type	Actions	Estimated Savings
Cost Avoidance	9	\$ 2,935,585
Cost Savings to Campus/ System	48	\$ 48,937,888
Cost Savings to Department/ Unit	56	\$ 18,431,677
Cost Savings to Student	0	\$ -
Other	4	\$ 9,214,075
Reallocation of Resources	0	\$ -
TOTAL	117	\$ 79,519,225

Accumulate Savings for Investment	3	\$ 6,813,306
Redirect Savings to Area of Need outside Department/Unit	37	\$ 33,488,371
Redirect Savings to Area of Need within Department/Unit	61	\$ 18,256,433
Reduce Ongoing Costs of Operation	16	\$ 20,961,115
TOTAL	117	\$ 79,519,225

System Administration Efficiencies

- Risk Management - Total Property/Casualty/Workers' Compensation Self-Insurance Program Recovery Savings
 - \$18.0 million estimated annual savings
- Treasury – Refinanced existing bonds, refunded bonds and commercial paper, and other debt savings
 - \$30.4 million estimated annual savings
- PSC – Implemented a streamlined procurement solution for purchases with strategic suppliers
 - \$1.33 million estimated annual cost avoidance
- UIS – Re-negotiated Oracle annual support contract
 - \$300,000 estimated annual cost avoidance

A scenic mountain landscape featuring a dirt path in the foreground, a dense forest of evergreen trees in the middle ground, and rugged mountains in the background. The sun is shining brightly from the upper left, creating a large lens flare effect. The sky is blue with scattered white clouds. The image is overlaid with a semi-transparent yellow-green geometric shape in the bottom right corner.

Appendix

CU Boulder Efficiencies

Space and Infrastructure

- Planning, Design and Construction (PD&C) created an initiative to test pilot the process of complying with the new Buy Clean Colorado provisions on projects ahead of the required implementation in 2024
 - The test pilot helped the department understand the compliance and reporting process, allowing it to implement it more efficiently in 2024 when it is required
 - \$8,000 estimated annual savings

Operational

- The Capital Finance office re-evaluated the process for gathering information required for the annual Bond Fund report
 - The office created standard queries that could produce 80% of the information required
 - An estimated 40 hours of labor for units and capital finance staff to be used for other core work
 - \$3,000 estimated annual savings

CU Boulder Efficiencies

Leveraging Technology

- Campus switched to a digital commencement program, eliminating the printing and distribution costs of a paper program
 - \$22,000 estimated annual savings
- The Leeds School of Business was able to extend the lifetime of the marketing lab computers from four to six years based on the computing power needed to run the programs on these computers
 - These computers help faculty and students come together to do marketing-based experiments
 - \$10,000 estimated annual savings

UCCS Efficiencies

Students

- The Office of Diversity Equity and Inclusion provided in-house training and DEI Education and Outreach programs, avoiding the cost of hiring off-campus speakers and consultants
 - \$40,000 estimated annual savings

Space and Infrastructure

- The Anschutz Engineering Center project team implemented several construction efficiencies
 - Additional wall insulation for higher thermal performance
 - High-performance glazing with Low-E coating and thermally broken frames
 - Updated or installed LED lighting, motion-activated sink faucets, low-flow restroom fixtures, variable air volume HVAC, EV Charging Station
 - \$9,187 estimated annual savings

UCCS Efficiencies

Space and Infrastructure continued

- The Office of Sustainability secured a Green Action Fund grant to demonstrate the durability and resiliency of plastic shingles on the Demonstration House
 - \$41,000 estimated one-time savings

Leveraging Technology

- Migrated student housing work orders into the existing Turnaround Management Association (TMA) system, digitized accounts payable and personnel files
 - \$50,000 estimated one-time savings