

N. STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION: ENERGY PERFORMANCE CONTRACT STATUS REPORT

Listed on the following pages is the reported status of all state agency and institutions of higher education's energy performance contracts as of June 30, 2023.

Energy Performance Contracts (EPC) can be used as an alternative funding source for state agencies and institutions of higher education to repair and improve facilities while increasing the overall energy and water efficiency of their physical assets. The contract guarantees annual utility usage savings by incorporating energy conservation measures such as new equipment into existing state owned facilities with sustainable operational practices. The reductions in utility usage is monetized and becomes the avoided utility cost that are the source of funds necessary to allow the financing of the project to replace, modify, or upgrade the agency's equipment. The contracts include equipment upgrades to lighting, heating, ventilating and air conditioning, plumbing systems and the installation of modern energy management control systems. EPC's can also support an agency's goals of renewable energy and their sustainable goals.

OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION
FY2024/2025 ANNUAL REPORT, SECTION III – N: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION
ENERGY PERFORMANCE CONTRACT STATUS REPORT

December 2023

Agency	Energy Conservation Measures (ECMs or FIMs) Evaluated or Completed	Energy Performance Contract (EPC) & Energy Management Program Status	EPC Contract Size (\$), Term (Years), Funding Method	Annual Energy / Contract Savings (1st Year)	Value of Identified CM Needs Funded by EPC
Department of Agriculture Administration/State Fair	Lights, Mechanical Equipment, Water Efficiency, Architectural Upgrades.	EPC signed January 2011, Project Accepted.	\$1,836,564 13 Years, Bank Loan	\$146,570	\$905,675
Department of Corrections	CTCF – DDC Controls, Lights, Boiler, Steam System, Water Conservation. BVCC – District Heating Plant, DDC Controls, Lights, Pumps. SCF – Chiller Replacement, DDC Controls, Lights, Pumps. AVCF – LCF; DDC Controls, HVAC upgrades, Chillers, Lights (interior and exterior), Plumbing.	EPC signed December 2010, Project Accepted. EPC signed January 2011, Project Accepted. EPC signed January 2012, Project Accepted. EPC signed December 2013, Project Accepted.	\$6,652,380 20 Years, Bank Loan \$6,546,186 15 Years, Bank Loan \$6,012,340 14 Years, Bank Loan \$10,870,772 15 Years, Bank Loan	\$381,684 \$576,001 \$428,848 \$1,237,150	\$2,327,940 \$1,516,626 \$1,500,000 \$1,800,000
Dept. of Education – CO School for the Deaf & Blind	Steam Plant, Lighting, Controls.	EPC signed October 2009, Project Accepted.	\$1,747,431 Total 15 Years, Bank Loan, (\$242,139 School Funds)	\$115,709	\$600,000
Dept. of Education – Talking Book Library	Lighting, HVAC, Controls.	EPC signed August 2010, Project Accepted.	\$219,909 Self-Funded	\$16,401	\$218,409
Department of Human Services	CMHIFL: Lighting, HVAC, Water Conservation. Trinidad SVNH: Contract Amended, Phase 2: Lighting, Boilers. Florence SVNH: Baseboard Heating System, Air-Conditioning Improvements.	EPC signed May 2005, Project Accepted. EPC signed July 2005, Project Accepted. EPC signed August 2005, Project Accepted.	\$728,021 12 Years, Bank Loan, and XCEL DSM Rebates \$707,562 13 Years, Bank Loan \$2,688,603 12 Years, Bank Loan	\$84,317 \$72,197 \$345,069	See Below N/A N/A

**OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION
 FY2024/2025 ANNUAL REPORT, SECTION III – N: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION
 ENERGY PERFORMANCE CONTRACT STATUS REPORT**

December 2023

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Department of Human Services (continued)	Homelake SVNH: Lighting, Central Plant HVAC Upgrades, Water Conservation, Irrigation Automation.	EPC signed October 2006, Project Accepted.	\$810,702 15 Years, Bank Loan, and GEO Grant	\$78,197	N/A
	Walsenburg SVNH: Lighting, HVAC and Controls, Water Conservation.	EPC signed April 2007, Project Accepted.	\$1,126,127 15 Years, Bank Loan	\$187,145	N/A
	Rifle and Fitzsimons: Lighting, HVAC and Controls, Water Conservation, Irrigation.	EPC signed November 2011, Project Accepted.	\$3,345,116 15 Years, Bank Loan, and Federal Grant	\$134,305	N/A
	Developmentally Disabled Facilities; GJRC and WRRRC and Group Homes: Lighting, HVAC and Controls, Water Conservation, Solar Shading.	EPC signed October 2006, Project Accepted.	\$1,114,682 12 Years, Bank Loan	\$121,007	See Below
	Division of Youth Corrections: Locations: Lighting, HVAC and Controls, Boiler Plant Decentralization, Water Conservation, Ditch Water Utilization for Irrigation.	EPC signed July 2008, Project Accepted.	\$9,922,214 13.2 Years, Bank Loan	\$893,359	See Below
	CMHIP: Chiller Plant, Coal Plant Modifications, Lighting, HVAC and Controls, Water Conservation.	EPC signed September 2011, Project Accepted.	\$8,931,275 10 Years, Bank Loan	\$1,079,174	See Below
	Phase 6: Scope of Work in Development.	IGA signed July 2023			
Total Value of identified CM Needs funded by the multiple phases of EPC work at DHS					\$7,866,156
Department of Labor & Employment	Lighting, Water, HVAC Controls, Flat Plate Chiller, New Chiller, New Boilers, LEED-EB.	Financed and managed as part of the EPC listed under DPA below. Project included the CDLE building at East 12th Ave, Denver.			
Department of Military Affairs	Lighting and HVAC Controls (2 Buildings Only).	EPC signed May 1996, Project Accepted.	\$166,718 10 Years	\$26,222	N/A

OFFICE OF THE STATE ARCHITECT, DEPARTMENT OF PERSONNEL AND ADMINISTRATION
FY2024/2025 ANNUAL REPORT, SECTION III – N: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION
ENERGY PERFORMANCE CONTRACT STATUS REPORT

December 2023

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Department of Natural Resources	The Division of Parks signed the Energy Audit, April 2009. Division internally funds energy efficiency projects based on the energy audit.				
	The Division of Wildlife signed the Energy Audit, June 2010. Audit is completed, use of internal funds to implement selected improvements.				
Department of Personnel & Administration	Phase 1: Lighting, Water, HVAC Controls, Chiller System, Heating Plant, Insulation, VFDs, Energy Resource Conservation Program.	EPC signed December 2003, Project Accepted.	\$8,771,349 19 Years, Bank Loan, and XCEL DSM Rebates	\$631,009	\$2,271,000
Division of Capital Assets (Includes 1881 Pierce, State Capitol Building, CDLE, and the demolished Judicial/Heritage Buildings)	Phase 2: New Chiller, New Boilers, HVAC Replacement, Lighting Controls, LEED-EB in Three Downtown Buildings, Photovoltaic System.	Amendment signed Feb. 2005, Project Accepted.	\$4,316,461 19 Years, Bank Loan, and XCEL DSM Rebates	\$294,376	\$2,005,330
	Phase 3: LEED-EB, Ground Source Geo-Exchange (Executive Mansion), Lighting Controls, HVAC, Plumbing, PV Systems.	Amendment signed May 2008, Project Accepted.	\$9,257,026 19 Years, Bank Loan, and XCEL DSM Rebates	\$733,856	\$0
	Phase 4: Geo-Exchange for Capitol Grounds, Lights, Mechanical System.	Amendment signed 2011, Project Accepted.	\$6,191,716 Total (\$1,541,716) 15 Years, Bank Loan, (\$4,600,000 DOE Grant) (\$500,000 Internal Funds)	\$100,554	\$4,000,000
Department of Personnel & Administration	Phase 1: Conversion of Lights to LED Lamps	EPC signed October 2019, Measurement/Verification Started.	\$2,332,666 13 Years, Bank Loan, and XCEL DSM Rebates	\$196,568	\$0
Division of Capital Assets	Phase 2: Steam Conversion to Natural Gas, HVAC, RetroCx, Solar, and Irrigation Controls.	EPC signed August 2022, In Construction.	19 Years, Bank Loan	\$253,399	\$0
Department of Public Health & Environment	Recommissioning, Lighting, Boiler Controls, Waterless Urinals, Vending Misers, PV Systems, Xeriscape Project.	CDPHE will continue to initiate energy conservation work with controlled maintenance, capital construction, internal funds, and Federal funds.			
Department of Revenue	Pierce Street Building: Lights, Boilers, Flat Plate Chiller, Controls, PV System.	Financed and managed as part of the DPA EPC described under DPA above.			

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 FY2024/2025 ANNUAL REPORT, SECTION III – N: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION
 ENERGY PERFORMANCE CONTRACT STATUS REPORT**

December 2023

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Department of Transportation	Lights, Heating Equipment, Building Envelope, Water Efficiency.	EPC signed January 2012, Project Accepted.	\$9,520,211 15 Years, Bank Loan	\$682,395	N/A
Office of Information Technology	Limited potential because of type and location of buildings. Most buildings are small and remote with limited lighting, heating or ventilation equipment. The energy usage is primarily for communication equipment.				
History Colorado	Energy efficiency projects managed through the normal operations and maintenance process or through controlled maintenance projects. Geothermal heating system under design/construction for the Fort Garland site. Most of the buildings owned by the Historical Society have particular design requirements that limit energy conservation measures.				
Adams State University	Lighting, Heating Plant.	1996 EPC, Completed May 1997, Project Accepted.	\$1,354,255 10 Years	\$246,594	\$278,000
	Lights, Metering.	2010 EPC, Phase 1 signed Feb. 2010, Project Accepted.	\$1,214,188 16 Years, Bank Loan	\$95,639	\$0
	Mechanical Equipment, Water Efficiency.	Phase 2: Amendment 2011, Project Accepted.	\$1,531,622 15 Years, Bank Loan	\$120,106	\$0
Arapahoe Community College	ACC will continue to pursue opportunities to initiate energy conservation work with CM, CC projects, and internal agency funds.				
Auraria Higher Education Center	Lighting, Water Conservation, Sub Metering, HVAC Equipment, Expand DDC, Variable Speed Pumping, Chillers, Boiler Plant, Pool Cover, Steam System.	EPC signed September 1996, Completed in May 1997, Project Accepted.	\$2,135,119 10 Years	\$284,370	\$1,569,300
	IGA in Negotiation, 2023 Estimated Cost of Audit \$294,812				
Colorado Community Colleges @ Lowry	Lights, Heating systems, Cooling Systems, Controls.	EPC signed June 2009, Project Accepted.	\$1,545,758 15 Years, Bank Loan, XCEL DSM Rebates, and Internal Funds.	\$162,188	\$509,393
Colorado Mesa University	Lighting, Energy Management System, HVAC, Commissioning.	EPC signed May 2008, Project Accepted.	\$2,111,278 15 Years, Bank Loan, and XCEL DSM Rebates	\$201,458	\$1,464,780

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ENERGY PERFORMANCE CONTRACT STATUS REPORT

December 2023

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Colorado Northwestern CC: Rangely and Craig	Lights, Heating, Boiler replacement, Cooling Systems, Utility Management System: New Ground Source Heat Pump for New Craig Campus.	As part of the larger Rangely community group, EPC signed September 2008, Project Accepted.	\$6,493,084 Total (\$1,339,698 Financed) 19 Years, Bank Loan, Internal Funds, & Grants	\$108,585	\$0
Colorado School of Mines	Lights, Water, Irrigation, Heat Recovery.	EPC signed April 2011, Project Accepted.	\$2,744,000 10 Years, Bank Loan	\$286,339	\$0
	New Chiller Plant, HVAC Controls, LED Lamps Upgrade, Solar PV.	EPC signed February 2018, Project Accepted.	\$4,798,500 Internal School Funds	\$321,572	\$0
	Solar Amendment	Amendment signed Dec. 2021, In Construction.	\$4,732,92 Self-Funded	\$147,083	\$0
Colorado State University	Lighting, Heating Plant, HVAC Controls, Water Efficiency, Chillers, Resource Conservation Program, Geo-Exchange Power Plant (2020).	School has an Energy Management Program that funds many small energy conservation projects on many campus facilities. The school has reduced its energy usage while the campus was constructing new facilities or renovating existing facilities.			
Colorado State University – Pueblo	1st Project: Lighting, HVAC Controls, Steam Traps, Irrigation Controls.	1997 EPC, Completed July 1997, Project Accepted.	\$1,055,005 10 Years, Bank Loan	\$167,019	\$565,251
	2nd Project: Boiler Plant Decentralization, Chillers, Lighting, Kitchen Retrofit.	2004 EPC, Project Accepted.	\$6,051,607 12 Years, Bank Loan	\$427,585	\$3,900,000
	3rd Project: Boilers, Lights, Controls, HVAC, Water.	EPC signed June 2016, Measurement/Verification Started.	\$12,500,000 20 Years, Bank Loan	\$653,000	\$1,226,850
	3rd Project: Amendments 1 & 2: PV System, Demand Side Management.	Amendments signed Sept. 2019, Measurement/Verification Started.	\$0 cost Amendment PPA for Solar PV	\$903,241 (from PPA contract)	\$0
Community College of Aurora	Lights, Water, DDC Controls, Cooling Upgrades.	EPC signed September 2013, Project Accepted.	\$2,367,073 15 Years, Bank Loan	\$270,433	\$0
Fort Lewis College	Boiler Replacement, Lighting Retrofit, Water Efficiency, and HVAC Controls.	EPC signed March 2012, Project Accepted.	\$9,400,000 20 Years, Bank Loan	\$330,448	\$125,820

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FY2024/2025 ANNUAL REPORT, SECTION III – N: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION
ENERGY PERFORMANCE CONTRACT STATUS REPORT

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Front Range Community College	Lighting Retrofits, Water Efficiency, HVAC Upgrades.	EPC signed November 2012, Project Accepted.	\$1,048,549	\$69,593	\$0
Lamar Community College	Lights, Controls, Boiler, HVAC.	EPC signed June 2011, Project Accepted.	\$3,113,305 19 Years, Bank Loan, and Internal Funds	\$156,327	\$0
Morgan Community College	Lights, Controls.	Many energy projects completed with internal funds and the utility line item budget			
Northeastern Junior College	Lights, Controls, Boilers, Utility Management System, Commissioning.	EPC signed May 2009, Project Accepted.	\$2,466,631 12 Years, Bank Loan, XCEL DSM Rebates, and Internal Funds.	\$213,328	\$0
Otero College	OC will continue to pursue opportunities to initiate energy conservation work with CM, CC projects, and internal agency funds.				
Pikes Peak State College	PPSC will continue to pursue opportunities to initiate energy conservation work with CM, CC projects, and internal agency funds.				
Pueblo CC	Lights, HVAC, Controls, Envelope, Irrigation.	EPC signed November 2020, In Close-Out.	\$5,771,063	\$391,429	\$0
Red Rocks Community College	Boilers, Chiller, HVAC, Lighting, Water.	EPC signed September 2005, Project Accepted.	\$1,317,560 14.7 Years, Bank Loan, XCEL DSM Rebates, and Internal Funds	\$89,408	\$745,000
Trinidad State College	Lights, Boilers, Controls, Vending Machine Controls, Utility Management Software.	EPC signed May 2009, Project Accepted.	\$1,136,299 13 Years, Bank Loan, and Internal Funds	\$60,005	N/A
University of Colorado Boulder	Housing Department implement projects with an EPC - Lighting, Water, Controls, Boilers.	Housing Department Contract signed September 2004, Project Accepted.	\$6,000,599 12 Years	\$775,457	N/A
	Water, LED Lights, Insulation Controls, Recommission.	Coors Event Center, EPC signed March 2015, Project Accepted.	\$2,429,101 19.5 Years, CU Funds	\$111,082	N/A
	Water, LED Lights, Insulation, Controls, Central Plant Upgrades.	MacAllister, EPC signed September 2014, Project Accepted.	\$10,936,867 20 Years, CU Funds	\$575,590	N/A

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FY2024/2025 ANNUAL REPORT, SECTION III – N: STATE AGENCIES / INSTITUTIONS OF HIGHER EDUCATION
ENERGY PERFORMANCE CONTRACT STATUS REPORT

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	Boiler Replacement, Hot Water, RTU Replacement, Controls, LED Lights.	Wilderness Place, EPC signed August 2015, Project Accepted. New IGA signed June 2022	\$6,648,459 16.3 Years, CU Funds	\$383,795	N/A
UC: Colorado Springs	Initial ECMs: Chiller, Boilers. Windows, HVAC, Irrigation, Solar PV.	IGA signed February 2022			
UC: Denver	Improving their facilities with their own internal funds.				
University of Northern Colorado	1st Project, Phase 1: Lighting, Water, Utility Rate Modification, Resource Conservation Program.	EPC signed May 2003, Construction Completed, Project Accepted.	\$1,495,446 12 Years, Bank Loan	\$322,294	Both Phases \$2,061,968
	1st Project, Phase 2: Heating Plant Upgrades, DDC Controls, HVAC, and Evaporative Cooling.	EPC signed February 2004, Construction Completed, Project Accepted.	\$3,172,209 12 Years, Bank Loan	\$313,691	
	2nd Project: Chiller, HVAC, Water, DDC, Lighting Improvements.	EPC signed January 2016, Project Accepted.	\$8,727,727 15 Years, Bank Loan	\$533,979	\$3,988,068
Western Colorado University	Lighting, Heating Plant, HVAC Controls.	EPC signed December 1996, Project Accepted.	\$3,334,399 10 Years	\$484,117	\$477,078
	Lighting, Controls, HVAC, Window, Retro-Commissioning, Water.	EPC signed June 2010, Project Accepted.	\$1,418,908 15 Years	\$151,438	\$0
TOTALS			\$222,643,228	\$18,172,705	\$41,922,644

Total Number of EPC projects (or discrete phase)	58
In Design/Construction	5
In Measurement and Verification	2
Completed (agency responsible for savings)	51