

Missouri University of Science and Technology CRR 110.015 Facilities Needs and Reporting

CRR 110.015 was established to keep the facilities of the University of Missouri system in good condition to ensure the needs of the University’s education and research missions are met. CRR 110.015 requires an annual investment to maintain a Campus Facilities Condition Needs Index (FCNI) of 0.30 or lower for Education and General (E&G) facilities. Auxiliary (Non-E&G) facilities have a target of 1% of the building current replacement value.

Current status of Education and General (E&G) Facilities

E&G Facilities <i>(Dollars shown in Millions)</i>	2020	2021	2022	2023	2024
Target Spend	\$17.9	\$21.9	\$18.8	\$20.0	\$20.8
Actual Spend	\$13.0	\$14.1	\$16.6	\$21.1	\$24.5
Recurring	\$8.5	\$8.1	\$7.4	\$8.3	\$10.0
One-Time	\$4.5	\$6.0	\$9.2	\$12.8	\$14.5
Difference in Target and Actual	(\$4.9)	(\$7.8)	(\$2.2)	\$1.1	\$3.8
Facilities Critical Needs	\$182.1	\$185.1	\$214.9	\$252.8	\$267.2
Needs within 1 Year	\$22.9	\$18.8	\$23.9	\$27.2	\$29.1
Two to Five Years	\$51.2	\$49.9	\$60.5	\$74.6	\$74.9
Ten Years	\$108.0	\$116.4	\$130.5	\$151.0	\$163.2
Recommended Target for next year	\$21.9	\$18.8	\$20.0	\$20.8	\$21.6
Campus FCNI	0.21	0.21	0.23	0.25	0.26

S&T currently has a campus FCNI of 0.26 which is below the CRR 110.015 allows, and a projected \$267.2 million facilities needs, with a current deferred needs of \$129 million. Currently, ten (10) facilities need major renovations, and six (6) facilities need total renovations or replacements. For details, please see the list of buildings on page 3 of this report.

S&T spent \$24.5 million for CRR 110.015 for FY 2024. The facilities critical needs will increase by \$19.3 million for a total of \$286.5 million.

Current status of Auxiliary (Non-E&G) Facilities

In 2023, S&T did not meet the spending goal for Non-E&G facilities.

Non E&G Facilities <i>(Dollars shown in Millions)</i>	2019	2020	2021	2022	2023
Target Spend	\$3.1	\$3.1	\$3.3	\$3.4	\$3.5
Actual Spend	\$1.5	\$3.4	\$1.1	\$1.0	\$2.5
Difference in Target and Actual	(\$1.5)	\$0.3	(\$2.2)	(\$2.3)	(\$1.0)

S&T FY24 E&G Building M&R Project List		
Building	Project Description	Cost
General Site	Substation Relocation	\$4,215,804
Schrenk Hall	Vivarium Lab Renovation	\$148,376
General Site	Hwy 63 Underpass Replacement	\$4,736,927
Schenk Hall - East	Renovation	\$713,826
Multiple Buildings	Norwood, Parker, Harris HVAC Replacement	\$489,117
Engineering Research Lab	Medium Voltage Research Lab Renovation	\$695,594
Parker Hall	Restroom Renovation	\$122,591
Centennial Hall	Roof Replacement	\$1,528,247
Emerson Hall	Dehumidification Upgrade	\$230,503
Computer Science	Chiller & Cooling Tower Replacement	\$1,358,403
Toomey Hall	Energy Conservation Upgrades	\$1,060,260
Humanities and Social Science	Roof Replacement	\$196,831
McNutt Hall	Elevator Renovation	\$165,966
Emerson Hall	Window Replacement	\$526,426
Rolla Building	Renovation (Interior and Exterior)	\$183,417
Centennial Hall	Classroom 104/105 Renovation	\$229,901
Wilson Library	Classroom Renovation	\$476,487
Centennial Hall	Restroom, Fire Suppression and Interior Improvements	\$883,977
Multiple Buildings	Residential Demolition	\$208,327
Centennial Hall	214/215 Office Renovation	\$269,000
Computer Science	Data Center ACU Replacement	\$167,449
Engineering Management	Active Learning Classroom Renovation	\$121,525
Various	Building Demolition	\$618,051
Kummer Student Design Center	IGEM Lab Renovation	\$156,205
Various	Routine Maintenance	\$5,026,485
Total		\$24,529,693

S&T FY24 Non-E&G Building M&R Project List		
Building	Project Description	Cost
Miner Village	Improvements to Interior and Exterior	\$1,654,035
Havener Center	Roof Replacement	\$673,417
Havener Center	Fire Alarm Replacement	\$107,419
Residential Commons 1 & 2	Fire Alarm Replacement	\$294,358
Parking Lots	Maintenance & Repair	\$228,534
Various	Water Damage Repairs	\$305,275
Various	Routine Maintenance	\$1,478,051
Total		\$4,741,089

Education and General Building List			
Building Number	Building Name	Age	FCNI
R0001	SCHRENK HALL WEST	51	0.08
R0001E	SCHRENK HALL EAST	86	0.62
R0002	BUTLER-CARLTON HALL	65	0.12
R0003	EMERSON HALL	66	0.18
R0004	FULTON HALL	101	0.26
R0006	HARRIS HALL	84	0.58
R0010	NORWOOD HALL	121	0.29
R0011	MSTR	64	0.51
R0013	IDE BUILDING	115	0.57
R0014	PARKER HALL	112	0.38
R0015	PHYSICS BUILDING	61	0.41
R0016	ROLLA BUILDING	153	0.18
R0033	CUSTODIAL & LANDSCAPE SERVICES	18	0.08
R0034	STUDENT HEALTH COMPLEX	35	0.11
R0040	TOOMEY HALL	16	0.12
R0041	ALTMAN HALL	66	0.38
R0047	800 TIM BRADLEY WAY	65	0.24
R0052	COMPRESSIBLE FLOW LABORATORY	55	0.28
R0053	HUMANITIES AND SOCIAL SCIENCES BUILDING	53	0.44
R0055	COMPUTER SCIENCE BUILDING	53	0.52
R0056	ENGINEERING RESEARCH LABORATORY	53	0.58
R0057	CENTENNIAL HALL	52	0.37
R0082	CHANCELLOR'S RESIDENCE	135	0.14
R0088	STRAUMANIS-JAMES HALL	57	0.16
R0089	TEMPORARY RESEARCH FACILITY	57	0.34
R0091	CURTIS LAWS WILSON LIBRARY	57	0.41
R0093	GALE BULLMAN BUILDING	55	0.17
R0101	ROCK MECHANICS AND EXPLOSIVE RES CENTER	85	0.53
R0104	PHYSICS OBSERVATORY	51	3.23
R0112	DANGEROUS MATERIALS STORAGE FACILITY	44	0.35
R0135	V.H. MCNUTT HALL	37	0.18
R0139	ENGINEERING MANAGEMENT BUILDING	37	0.35
R0141	CASTLEMAN HALL	32	0.24
R0155	STUDENT RECREATION AND INTRAMURAL CTR	29	0.10
R0159	CHILD DEVELOPMENT CENTER	61	0.29
R0166	PINE BUILDING	59	0.33
R0172	JAMES E. BERTELSMEYER HALL	11	0.11
R0217	KENNEDY EXPERIMENTAL MINE BUILDING	8	0.04
R0701	BERTELSMEYER GEOTHERMAL PLANT	10	0.15
R0702	MCNUTT GEOTHERMAL PLANT	10	0.03

Education and General Building List			
Building Number	Building Name	Age	FCNI
R0703	STRAUMANIS-JAMES GEOTHERMAL PLANT	10	0.04

Excellent Condition, typically new construction (0.000 - 0.100)	Fair Condition, in need of normal renovation (0.201 - 0.300)	Poor Condition, total renovation indicated (0.501 - 0.600)
Good Condition, renovations occur on schedule (0.101 - 0.200)	Below Average Condition, major renovation required (0.301 - 0.500)	Replacement Recommended (0.600 and Higher)