

University of Missouri – Columbia

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>	2019	2020	2021	2022	2023
Target Spend	\$55.9	\$59.0	\$60.2	\$60.9	\$68.4
Actual Spend	\$21.6	\$28.5	\$13.9	\$23.9	\$29.4
Recurring	\$16.3	\$12.7	\$8.1	\$6.4	\$11.9
One-Time	\$5.3	\$15.8	\$5.8	\$17.5	\$17.5
Difference in Actual and Target	(\$34.3)	(\$30.5)	(\$46.3)	(\$37.0)	(\$39.0)
FCN Backlog	\$840.9	\$867.8	\$881.6	\$958.4	\$941.8
Deferred Maintenance	\$442.0	\$443.4	\$446.8	\$502.2	\$498.9
Plant Adaption	\$115.0	\$118.3	\$120.5	\$129.2	\$117.3
Capital Renewal	\$283.9	\$306.1	\$314.3	\$326.9	\$325.6
Recommended Target for next year	\$59.0	\$60.2	\$61.0	\$68.4	\$67.7
Campus FCNI	0.31	0.31	0.30	0.31	0.26

MU currently has a campus FCNI of 0.26 and a \$941.8 million facilities needs backlog. Currently, thirty-eight (38) facilities need major renovations, and thirteen (13) facilities need total renovations or replacements. For details, please see the list of buildings on page 3 of this report.

MU spent \$29.4 million for CRR 110.015 for FY 2023, next year, the backlog is expected to grow to \$1.0 billion in FY24, an increase of \$83 million. To curb the growth, the recommended target for FY24 is \$72.9 million dollars to maintain the current FCNI. MU has received \$20.1 million from the Federal Budget Stabilization Fund (FBSF) that was used for M&R projects such as fire alarm replacements and exterior repairs. Ten facilities (over 411,000 gsf) were demolished in FY2023 and eliminated over \$111 million of facilities critical needs.

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

In 2023, MU exceeded 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	\$32.2	\$33.1	\$34.4	\$35.9	\$39.9
Actual Spend	\$43.7	\$35.1	\$35.5	\$35.2	\$48.6
Difference in Actual and Target	\$11.5	\$2.0	\$1.1	(\$0.6)	\$8.7

MU FY23 E&G Building M&R Project List		
Building	Project Description	Cost
NextGen Precision Health Building	Level 4 - Shell Space Fitout	\$2,605,318
Medical Science Building	Renovate Laboratories on Multiple Floors	\$1,850,713
Laboratory for Infectious Disease Research	G20 Repairs	\$1,294,139
Various Locations	Roof Replacements	\$1,060,230
Lowry Hall	Renovate First Floor	\$908,131
Medical Science Building	Update Morgue Facility	\$868,919
University Hall	3rd Floor Renovation	\$498,378
Clark Hall	First Floor Renovation and South Entrance Creation	\$437,280
Lottes Health Sciences Library	1st and 3rd Floor Renovation	\$429,892
Medical Science Building	Improve Courtyard Storm Water Drainage and Landscape Design	\$359,459
Clydesdale Hall	Prep B124 for Equine Standing CT	\$346,538
Physics Building	Modify Laboratory for Walk-in Fume Hood	\$332,188
Agriculture Science	Renovate 2-3 & 2-4	\$320,500
Various Locations	Building System Components	\$307,263
Neff Hall Addition	Selective Demolition with Rebuild Mechanical Space and Parking Lot	\$280,000
Medical Science Building	Renovate Rm M437	\$258,429
General Services Building	Misc. Renovations for PD&C, Phase 1	\$242,459
Locust Street Building	Modify Space for A&S Relocation	\$226,440
Agriculture Science Building	Renovate Rms 2-6 & 2-7	\$220,706
Clydesdale Hall	A134 Renovation	\$207,875
Ellis Library	Rms 4 & 5 Paint, Flooring and Lighting	\$193,901
Ellis Library	Art, Archaeology & Anthropology Museum Gallery Relocation	\$181,583
Schweitzer Hall	Renovate Various Labs	\$150,313
Lafferre Hal	C1244 Manufacturing Space Renovation	\$147,102
Lowry Hall	Renovate 3rd Floor	\$144,948
Strickland Hall	Renovate Space for Counseling Center	\$142,202
Hulston Hall	Rm 7 AV Upgrade	\$138,074
Gwynn Hall	Gwynn Hall - /rplc elvt jack	\$129,512
Student Success Center	Lighting and Carpet Replacement Bsmt & 1st Floor	\$113,084
Rock Quarry Center Warehouse	Renovate Suite Q201	\$111,109
Jesse Hall	Renovate 4th Floor for Kinder Institute Expansion	\$109,364
Various Locations	Design/Engineering Support for CAVES	\$103,601
Clinical Support and Education Building	Renovate SIM Center	\$100,441
NextGen Precision Health Building	Fitout Rm 1331 and Extend Liquid Nitrogen Lines	\$100,368
Schweitzer Hall	Renovate Various Labs	\$100,000
Various Locations	Various routine maintenance, repair and renovation projects (<\$100,000/project)	\$9,682,809
Various Locations	Routine Building Repair and Maintenance	\$4,670,299
Total		\$29,373,598

MU FY23 Non-E&G Building M&R Project List		
Building	Project Description	Cost
Various Locations	Replace 12" Steam line Rollins - MH 158 to College Ave (400')	\$3,120,840
Various Locations	Data Network Replacement	\$1,923,592
Power Plant	TURBINE 9 OVERHAUL	\$1,588,465
Gas Turbine Plant	GT Overhaul Agreement	\$1,436,031
Power Plant	Repair 1970's Boiler Buildings	\$1,420,076
IDEXX	Replace - IDEXX (RADIL) Chiller	\$1,200,131
Various Locations	Replace - Jesse Hall - Quad Steam Lines	\$1,160,000
Mizzou Sports Arena	Lighting Replacement	\$909,748
Various Locations	Replace - Chilled water lines near South Well & GSB (1670')	\$870,725
Power Plant	Repair PP Small Projects	\$748,841
Stankowski Field	Turf Replacement and Track Resurfacing	\$704,426
Memorial Student Union	Masonry and Building Envelope Repairs	\$623,993

Various Locations	Replace - Hitt St - Steam & Water Lines	\$592,527
Hawthorn Residence Hall	Relocate Residential Life	\$492,211
Tiger Avenue Parking Structure	Structure Repair	\$446,042
Energy Mgt Building	Replace - Automatic Drive Gates	\$322,569
Memorial Student Union	Modify Suite 201 and North Tiger Den	\$260,788
Southwest Well	SW Well Generator Controls Upgrade	\$243,200
Turner Avenue Garage	Structure Repair	\$235,777
Southwest Well	Repair - SW Well Overflow	\$229,222
Virginia Avenue Parking Structure	Evaluate Joint Separation	\$214,995
Telecom	Data Center Equipment Replacement	\$184,544
Mizzou Football Complex	Turf Replacement Kadlec Field #2	\$184,282
Various Locations	REPLACEMENT OF WATER METERS	\$157,025
Gas Turbine Plant	Repair - GT Overhaul Agreement Excess Hours	\$147,651
Various Locations	Epoxy Flooring & Shower Repairs at Hawthorn, Galena & Dogwood	\$139,011
Memorial Student Union	N52 International Center Repairs	\$126,750
Power Plant	Replace - Chain for the oversilo drag system	\$122,739
Memorial Student Union	Renovate Restrooms S111 & S113	\$121,719
Hearnes Center	Repair - Sandblast clean and Belzona Coat Hearnes Chiller	\$114,825
Student Recreation Center	East Elevation Masonry Repair	\$113,219
Vet Diag Lab	Repalce - Vet Disgnostics Lab Water line	\$110,462
Virginia Avenue Housing Complex	Attic Ductwork Insulation	\$102,119
Vet Diag Lab	Replace - Cresent - Switchgear (Vet Diag Lab)	\$101,765
Various Locations	Repair - Ashland Rd - CW Line	\$101,287
Memorial Student Union	Replace Existing Steam PRV Station	\$101,179
Various Locations	Various routine maintenance, repair and renovation projects (<\$100,000/project)	\$2,783,696
Various Locations	Routine Building Repair and Maintenance	\$25,123,396
Total		\$48,579,865

Education and General Building List			
Building Number	Building Name	Age	FCNI
37002	AGRICULTURE	65	0.37
37003	AGRICULTURE LAB	74	0.44
37004	STUDENT SUCCESS CENTER	100	0.20
37006	LAB ANIMAL CTR	2023	0.00
37007	MUSEUM SUPPORT	29	0.19
37010	1105 CARRIE FRANCKE DRIVE	47	0.28
37011	MELVIN H. MARX BUILDING	59	0.28
37012	ARTS & SCIENCE	63	0.45
37014	MIDDLEBUSH HALL	64	0.45
37015	Pickard Hall (Decommissioning)	131	0.43
37017	CONNAWAY	113	0.05
37018	CROWDER	85	0.59
37019	CURTIS HALL	84	0.78
37020	ECKLES HALL	122	0.53
37021	TOWNSEND HALL	87	0.09
37022	Naka Hall (Previously Engineering Building West)	65	0.41
37023	Lafferre Hall (post-renovation GSF)	131	0.07
37024	COL PROF BLDG	2023	0.00
37025	CONLEY HOUSE RCVMUadjusted(03)	154	0.15
37026	FINE ARTS (ART)	65	0.39
37027	GEOLOGICAL SCI	60	0.41
37039	LOWRY HALL	119	0.30
37048	RP BOTANY GH	54	0.40
37051	HILL HALL	71	0.40
37052	London Hall	2023	0.00
37053	JESSE RCVMUadjusted(03)	128	0.25
37055	LEFEVRE	110	0.52
37056	ELLIS LIBRARY	108	0.32
37058	SWINE RESEARCH AND RESOUR	17	0.02
37059	MCALESTER	121	0.67
37060	MEDICAL SCIENCE	67	0.35
37061	GANNETT HALL	43	0.38
37062	MUMFORD	101	0.45
37063	NEFF HALL RCVMUadjusted(03)	105	0.48
37064	STEWART HALL**	111	0.08
37065	ACADEMIC SUPPORT CENTER	111	0.36
37066	PARKER HALL	2023	0.00
37069	READ HALL	2023	0.00
37071	SCHLUNDT HALL	101	0.15
37072	SCHLUNDT ANNEX	72	0.57
37073	SCHWEITZER	111	0.47
37074	Reynolds Journalism Institute	131	0.06
37076	STANLEY	65	0.54
37077	STEPHENS W L	87	0.13
37078	PHYSICS	59	0.46
37086	LEE HILLS HALL	28	0.14
37089	ROCK QUARRY CENTER	40	0.06
37090	LEWIS HALL	59	0.42
37091	CLARK HALL	59	0.50
37099	VET MED EAST	64	0.18
37100	VETERINARY SCIENCE BLDG	75	0.50
37101	WALTER WILLIAMS	87	0.07
37102	WATERS	114	0.57
37103	WHITTEN	121	0.57
37104	MCKEE GYM	101	0.68
37108	CHANCELLOR'S RES RCVMUadjusted(03)	156	0.15
37115	GENTRY HALL	84	0.34
37124	Loeb Hall	2023	0.00
37126	MCREYNOLDS HALL	67	0.44
37129	NOYES HALL	2023	0.00
37133	OLD STUDENT HEALTH CENTER	2023	0.00
37137	TROWBRIDGE CNTR	55	0.42
37139	Surplus Warehouse	48	0.40
37143	HEINKEL BLDG	82	0.48
37144	LOTES HEALTH SCIENCE LIB	38	0.37
37146	MED SCIENCE ADD	38	0.19
37148	GWYNN (New)**	103	0.19
37154	AG ENGR BLDG	36	0.19
37156	BOND LIFE SCIENCES CTR	19	0.07
37157	BOND LIFE SCIENCES CTR MECH BL	19	0.12
37166	HULSTON HALL	35	0.23
37167	ELLIS LIB 87ADD	36	0.21
37175	AB NAT RESOURCE	27	0.17
37221	FIRE STATION	10	0.18
37224	GEN SERVICES BLDG	60	0.27

Education and General Building List			
Building Number	Building Name	Age	FCNI
37229	VET MED WEST	48	0.51
37230	VET DIAG LAB	48	0.47
37232	FINE ARTS (M&D)	65	0.38
37243	JESSE AUD RCVMUadjusted(03)	70	0.40
37251	TUCKER HALL	56	0.27
37252	MATH SCIENCE	55	0.42
37253	DALTON CARD RS	56	0.41
37254	ANIMAL SCI CNTR	54	0.27
37257	CHEMISTRY BLDG	51	0.36
37258	Arvarh E. Strickland Hall	54	0.49
37263	NEFF HALL - 59	64	0.61
37264	LIDR (Laboratory for Infectious Disease Research)	16	0.03
37278	CHEM TEACH ADD	27	0.17
37280	CORNELL HALL	21	0.09
37286	Intl. Inst. Of Nano & Molecular Medicine	15	0.05
37288	Research Animal Diagnostic Laboratory	17	0.08
37301	LOCUST ST-EAST	42	0.25
37316	Schweitzer Hall addition	16	0.05
37326	Tate Hall (New)**	99	0.20
37327	Switzler Hall (New)**	152	0.20
37343	BLACK CULTURAL CTR	24	0.17
37347	RRC WASTE STOR	27	0.17
37368	WILLIAM C. STRINGER WING	27	0.14
37370	MURR**	59	0.19
37371	LOCUST ST - WES	61	0.26
37375	PSYCHOLOGY BLDG	78	0.37
37376	REYNOLDS ALUM C	31	0.30
37379	CLYDESDALE HALL	30	0.15
37393	ERNIE & LOTTI SEARS PLANT	24	0.10
37395	Missouri Theatre	96	0.18
37396	Swallow Hall (New)**	7	0.16
37474	1110 S. College Avenue	2023	0.00
37484	Patient Centered Care Learning Center**	9	0.07
37510	School of Music Building**	4	0.07
37532	NextGen Precision Health Building**	4	0.11
37538	School of Nursing**	1	0.02
41005	UNIVERSITY HALL	54	0.35
41008	PROVIDENCE PNT	54	0.16
41010	2910 Lemone Boulevard	34	0.17
41011	UM LIB DEPOSIT	26	0.05
44085	Mizzou North	2023	0.00
37256.E	Hearnes - E&G	51	0.45
42000.E	Clinical Support and Education (64% E&G)	17	0.09
9900	(93) Support & Other Various Buildings *	2023	0.32
37002	AGRICULTURE	65	0.37

FCNI Legend		
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)