

University of Kentucky
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$154,196,000
Campus Match	46,260,000
	<hr/>
Total	\$200,456,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$0
Asset Pres. Fees	0
Donations	0
Agency Bonds	46,260,000
	<hr/>
	\$46,260,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

The following list of asset preservation projects for fiscal years 2022-23 and 2023-24 is very preliminary in nature as the University is in the planning and programming stage. Thus, this list may change. The University wants to ensure the most efficient use of the funds to preserve our aging facilities and enhance accessibility while furthering our student success efforts. The facilities below are aging, highly utilized education and general facilities in our central core of campus.

Projects	Estimates	Status
2022-23:		
MDS Building 5th Floor Renovation	\$15,000,000	Underway
Improve White Hall Classroom Bldg	8,000,000	Planning
Improve Pence Hall	32,000,000	Underway
Improve Miller Hall	7,247,678	Planning
Improve Patterson Office Tower	7,250,000	Planning
Improve Peterson Service Bldg	5,000,000	Planning
Campus Utility Infrastructure Projects		
Emergency Replacement of Sanitary Sewer Line - Funkhouser Drive	\$473,217	Complete
Central Heating Dearator Tank	1,200,000	Planning
Steam and Condensate	6,500,000	Planning
Medium Voltage Distribution Upgrades	3,250,000	Planning
Building Systems Projects		
Breckinridge Hall Windows	\$660,000	Underway
Fine Arts Guignol Windows	1,319,105	Underway
Memorial Coliseum Misc. Building Systems	6,000,000	Underway
Lafferty Hall Replace HVAC System and Fine Arts-Guignol Bldg. Install New HVAC System	6,100,000	Planning
	<hr/>	
	\$100,000,000	
2023-24:		
Improve White Hall Classroom Building Phase II	\$75,000,000	Planning
Various Infrastructure/System Improvements	25,000,000	Planning
	<hr/>	
	\$100,000,000	

University of Louisville
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$81,886,000
Campus Match	<u>24,566,000</u>
Total	\$106,452,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$4,566,000
Asset Pres. Fees	0
Other	20,000,000
Donations	0
Agency Bonds	<u>0</u>
	\$24,566,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available. Estimated project amounts are likely to change due to supply constraints and inflationary cost pressures. The University is diligently working to move projects forward in a timely and fiscally responsible manner.

Project Detail

Description	Building Name	Estimate	Status
Campus Lighting Phase 1	All	\$ 214,200	Underway
Campus Lighting Phase 2	All	102,000	Underway
Upgrade all Campus Camera Systems Phase 1	All	510,000	Underway
*Critical Building Automation Control Upgrades Phase 1 Control	Specific Buildings	2,040,000	Underway
Critical Building Automation Control Upgrades Phase 2 Control	Specific Buildings	2,040,000	Underway
*VFD Replacements Phase 1	Specific Buildings	510,000	Underway
VFD Replacements Phase 2	Specific Buildings	510,000	Planning
Upgrade all Campus Camera Systems Phase 2	All	510,000	Underway
*Upgrade Campus Electrical Distribution System located at Grawemeyer Hall	Grawemeyer Hall	1,285,200	Planning
*Brigman	Brigman Hall	469,200	Design
Gardiner Hall Fire Alarm Upgrades	Gardiner Hall	122,400	Design
Esktrom Library Robotic Arm replacement	Esktrom Library	586,500	Underway
Esktrom Library, Document and Artifact Archives	Esktrom Library	382,500	Planning
Esktrom Library Roof	Esktrom Library	642,600	Design
Gottschalk Hall Fire Alarm Upgrades	Gottschalk Hall	102,000	Design
Student Activities Center (Elevator #3)	SAC	86,700	Complete
*Life Science Roof	Life Science	586,500	Design
Life Science – Electrical system replacement (switchgear, generator, ATS electrical panels)	Life Science	3,570,000	Design
Life Science – HVAC replacement/ upgrades new HVAC systems, lighting and plumbing systems repairs.	Life Science	5,916,000	Design
Lab Refreshment - Finishes, ceilings, lights and HVAC vents (recommend after completing with the HVAC scope of work) for Life Sciences	Life Science	336,600	Design
Building Entries Refreshment - Finishes, lights, branding and signage for Life Sciences	Life Science	114,750	Design
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Life Sciences	Life Science	267,750	Design
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Life Sciences	Life Science	206,550	Design
Auditorium Refreshment - Finishes, lighting and ADA compliance work for Life Sciences	Life Science	204,000	Planning
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for Life Sciences	Life Science	61,200	Design
ADA Door Hardware Improvements – Door Hardware: Life Sciences	Life Science	214,200	Design
Law School (Elevator #2 East Side)	Law School	96,900	Design
Law School (Elevator #3 West Side)	Law School	86,700	Design
Law School Fire Alarm Upgrade	Law School	178,500	Design
*Law Roof	Law School	586,500	Underway

Miller Information Technology Center Fire Alarm	Miller Information	178,500	Planning
Lutz Hall - HVAC upgrades to AHU and 3rd floor inclusive of Laboratory areas	Lutz Hall-STEM	2,040,000	Planning
*JB Speed School - Electrical system, switch gear, bare neutrals, and electrical panels	J. B. Speed School - STEM	1,785,000	Design
JB Speed- HVAC upgrades (requires electrical upgrades completed first)	J. B. Speed School - STEM	1,836,000	Design
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Lutz	Lutz Hall-STEM	169,400	Planning
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for JB Speed	J. B. Speed School - STEM	107,100	Planning
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for JB Speed	J. B. Speed School - STEM	206,550	Design
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for JB Speed	J. B. Speed School - STEM	51,000	Design
ADA Door Hardware Improvements – Door Hardware: JB Speed	J. B. Speed School - STEM	198,900	Design
Building Entries Refreshment - Finishes, lights, branding and signage for Sacket	Sacket-STEM	89,250	Planning
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Sacket	Sacket-STEM	206,550	Planning
ADA Door Hardware Improvements – Door Hardware: Sacket	Sacket-STEM	76,500	Planning
ADA Ramp Access Improvements - Ramps for Sacket	Sacket-STEM	76,500	Planning
WS Speed Fire Alarm	W.S. Speed-STEM	96,900	Design
W.S. Speed and Life Sciences Elevators updates	W.S. Speed-STEM	510,000	Design
Building Entries Refreshment - Finishes, lights, branding and signage for WS Speed	W.S. Speed-STEM	53,550	Planning
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for WS Speed	W.S. Speed-STEM	229,500	Planning
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for WS Speed	W.S. Speed-STEM	206,550	Planning
ADA Door Hardware Improvements – Door Hardware: WS Speed	W.S. Speed-STEM	153,000	Planning
Ernst Hall Fire Alarm Upgrades	Ernst Hall-STEM	142,800	Design
*Ernst	Ernst Hall-STEM	530,400	Design
Ernst Hall Auditorium (high utilization for exams)- HVAC upgrades, lighting, ceiling and platform ADA accessibility	Ernst Hall-STEM	348,840	Planning
Building Entries Refreshment - Finishes, lights, branding and signage for Ernst	Ernst Hall-STEM	51,000	Planning
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Ernst	Ernst Hall-STEM	107,100	Planning
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Ernst	Ernst Hall-STEM	206,550	Planning
ADA Door Hardware Improvements – Door Hardware: Ernst	Ernst Hall-STEM	91,800	Planning
*Natural Science	Natural Science-STEM	469,200	Design
Natural Science – Electrical system replacement (switchgear, generator, ATS electrical panels).	Natural Science-STEM	2,040,000	Design
Natural Sciences- HVAC upgrades to AHU, ductwork and terminal devices	Natural Science-STEM	6,120,000	Design
Natural Science - Fire Alarm replacement	Natural Science-STEM	510,000	Design
Lab Refreshment - Finishes, ceilings, lights and HVAC vents (recommend after completing with the HVAC scope of work) for Natural Sciences (\$1,125,000)	Natural Science-STEM	688,500	Design
Building Entries Refreshment - Finishes, lights, branding and signage for Natural Sciences	Natural Science-STEM	196,350	Design
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Natural Sciences	Natural Science-STEM	408,000	Design
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Natural Sciences	Natural Science-STEM	433,500	Design
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for Natural Sciences	Natural Science-STEM	89,200	Design
ADA Door Hardware Improvements – Door Hardware: Natural Sciences	Natural Science-STEM	275,400	Design
ADA Ramp Access Improvements - Ramps for Natural Sciences	Natural Science-STEM	137,700	Design
Chemistry Building - MEP replacement/ upgrades new HVAC systems, fume hoods, lighting, electrical systems and distributions, and plumbing systems repairs.	Chemistry Building-STEM	7,650,000	Planning
Urban & Public Affairs (CUER) Fire Alarm	Urban & Public Affairs	153,000	Design
*Thrust Theatre – upgrade HVAC System	Thrust Theatre	1,428,000	Underway
HPER Kiln Shed Roof	HPER Kiln	255,000	Design
*Music School – HVAC upgrades to mitigate the cooling and humidity issues in the building causing damage to instruments and equipment.	Music School	3,304,800	Underway
School of Music - upgrade cloud for acoustical/lighting	Music School	510,000	Planning
Education Building - VAV reheat/Envelope	Education Building	1,927,800	Planning
Law library sublevel AHU replacement	Law School	449,500	Underway
*Strickler Hall – HVAC upgrades	Strickler Hall	386,580	Underway
*Strickler	Strickler Hall	703,800	Design

*Business	Business School	703,800	Design
*Vogt Building – AHU replacements, replace outdated chillers and piping located under the building making repairs and maintenance impossible.	Vogt Building	1,836,000	Underway
Building Entries Refreshment - Finishes, lights, branding and signage for Vogt	Vogt Building	45,900	Planning
Upgrade existing Belknap Campus Access Control systems	All	1,020,000	Underway
Upgrade existing HSC Campus Access Control systems	All	2,550,000	Underway
51 Medical Dental Research - Electrical updates (Main switchgear, generator, panelboards, lighting)	Medical Dental	2,040,000	Planning
Medical Dental Research (Master fire alarm control panel and strobes)	Medical Dental	76,500	Planning
51 Medical Dental Research - Plumbing updates (Domestic water, sanitary piping, fixtures)	Medical Dental	1,020,000	Planning
56 Kentucky Lions Eye Clinic - Electrical updates (Main switchgear, generator, panelboards, lighting)	Kentucky Lions Eye	1,020,000	Planning
*Kentucky Lions Eye (West and East) Elevator	Kentucky Lions Eye	428,400	Design
Kentucky Lions Eye Clinic (Master fire alarm control panel and strobes)	Kentucky Lions Eye	76,500	Underway
56 Kentucky Lions Eye Clinic - Plumbing updates (Domestic water, sanitary piping, fixtures)	Kentucky Lions Eye	765,000	Planning
57 Research Resource Center - Electrical updates (Main switchgear, generator, panelboards, lighting) \$1,500,000	Research Resource Ctr	1,530,000	Planning
RRC (Master fire alarm control panel and strobes)	Research Resource Ctr	178,500	Planning
57 Research Resource Center - Plumbing updates (Domestic water, sanitary piping, fixtures)	Research Resource Ctr	765,000	Planning
55A School of Medicine Tower - Electrical updates (Main switchgear, generator, panelboards, lighting)	Medical Tower	1,530,000	Planning
School of Medicine Tower 55A (Master fire alarm control panel and strobes)	Medical Tower	76,500	Planning
55A School of Medicine Tower - HVAC updates (Chilled water, steam, condensate, heating water, AHUs, exhaust fans, terminal units, controls)	Medical Tower	2,550,000	Planning
55A School of Medicine Tower - Plumbing updates (Domestic water, sanitary piping, fixtures)	Medical Tower	1,530,000	Planning
School of Medicine (55A)	Medical Tower	321,300	Design
55B School of Medicine - Electrical updates (Main switchgear, generator, panelboards, lighting)	Instructional Bldg.	1,020,000	Planning
55B School of Medicine Elevator	Instructional Bldg.	188,700	Design
School of Medicine 55B (Master fire alarm control panel and strobes)	Instructional Bldg.	76,500	Planning
55B School of Medicine - Fresh Tissue and Morgue HVAC/Electrical Upgrades	Instructional Bldg.	2,249,100	Planning
55B School of Medicine - Gross Anatomy Lab HVAC/Electrical Upgrades	Instructional Bldg.	2,034,900	Planning
*55B	Instructional Bldg.	821,100	Design
55D Kornhauser Library (Back Elevator)	Kornhauser Library	86,700	Design
Kornhauser Library (Master fire alarm control panel and strobes)	Kornhauser Library	76,500	Planning
55D Kornhauser Library - HVAC updates (Chilled water, steam, condensate, heating water, AHUs, exhaust fans, terminal units, controls)	Kornhauser Library	3,336,580	Planning
55D Kornhauser Library - Plumbing updates (Domestic water, sanitary piping, fixtures)	Kornhauser Library	510,000	Planning
Donald Baxter Research (Fire Alarm Controls / Infrastructure, Strobes/Horns)	Baxter 1	51,000	Planning
55E Donald Baxter Building - HVAC (Refurbish AHU-1)/Electrical Upgrades	Baxter 1	1,606,500	Planning
55E Donald Baxter Building - Basement auditorium Improvements (furniture, finishes, ceilings, lighting, carpet)	Baxter 1	510,000	Design
Delia Baxter Research (Master fire alarm control panel and strobes)	Baxter 2	76,500	Planning
55F Delia Baxter Building - HVAC/Electrical Upgrades	Baxter 2	1,020,000	Planning
CTR (Master fire alarm control panel and strobes)	CTR	306,000	Planning
CII (Master fire alarm control panel and strobes)	CII	204,000	Planning
K-Wing	K-Wing	76,500	Planning
ADA Door Hardware Improvements	Specific Buildings	204,000	Planning
Belknap Steam and Chilled Water Plant, Phase 1 - Structural repairs of metal cooling tower supports	Belknap Steam and Chiller Water Plant	255,000	Underway
Belknap Steam and Chilled Water Tunnels, Phase 1 (Critical) - Tunnel top replacement and structural repair under Eastern Parkway	Belknap Steam and Chiller Water Plant	1,785,000	Underway
Belknap Steam and Chilled Water Tunnels, Phase 2 (Critical) - T1, T3, T5, T5-1, Centennial tunnel top replacement and repairs	Belknap Steam and Chiller Water Plant	2,040,000	Planning
Belknap Steam and Chilled Water Tunnels, Phase 3 (Medium and less critical) - Remaining tunnel top replacement and repairs	Belknap Steam and Chiller Water Plant	2,550,000	Planning
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle	Specific Buildings	510,000	Planning
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work	Specific Buildings	765,000	Planning
Building Entries Refreshment - Finishes, lights, branding and signage	Specific Buildings	510,000	Planning
Building Site Refreshment - Softscape, hardscape, site lighting, site utilities & Irrigation	Specific Buildings	255,000	Planning
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes	Specific Buildings	306,000	Planning

Planetarium Theatrical lighting upgrade	Gheens Hall (Planetarium)	382,500	Planning
Medical Dental Apartments demolition	Medical Dental Apartments	1,530,000	Underway
Kornhauser Auditorium ADA	Kornhauser Library	442,000	Planning
CPM (Master fire alarm control panel and strobes)	CPM	178,500	Planning

\$106,452,000

		<u>% of Total</u>
ADA Updates	\$2,218,840	2.1%
Campus Parking Lighting	316,200	0.3%
Building Energy Management and Controls	5,100,000	4.8%
Infrastructure Equipment Replacement	1,479,000	1.4%
Life Safety Systems	9,011,700	8.5%
HVAC, Electrical & Plumbing	72,731,960	68.3%
Refresh and Refurbishments	9,504,900	8.9%
Roof Replacements	6,089,400	5.7%
Total	<u>\$106,452,000</u>	

Eastern Kentucky University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$54,806,000
Campus Match	<u>8,222,000</u>
Total	\$63,028,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$4,111,000
Asset Pres. Fees	4,111,000
Donations	0
Agency Bonds	<u>0</u>
	\$8,222,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

			<u>Status</u>	Actual Cost
EKU001	Steam Line Upgrades	\$10,000,000	Underway	
EKU002	Roof Replacement - Powell	\$1,000,000	Complete	\$825,488
EKU003	Roof Replacement - Rowlette	\$1,000,000	Complete	\$711,669
EKU004	Coates Exterior/Interior Repairs	\$4,500,000	Underway	
EKU005	Burrier Exterior Repairs	\$1,200,000	Underway	
EKU006	Plumbing systems, HVAC, water distribution systems, boiler/hot water systems, cooling tower and chiller systems repair/replacement, mechanical systems repair/renovation/replacement	\$8,500,000	Underway	
EKU007	Elevator renovation/replacement/modernization	\$4,000,000	Underway	
EKU008	Sidewalks, pathways, pedestrian entrances, egress, access accommodation, lighting improvements	\$4,000,000	Underway	
EKU009	Parking lot maintenance and improvements; exterior lighting improvements	\$4,000,000	Planning	
EKU010	Electrical system installation/renovation/improvements; electrical hardware components installation, improvements	\$5,000,000	Underway	
EKU011	Roof replacements and upgrades; structural renovations/upgrades; various/multiple buildings/facilities	\$6,000,000	Underway	
EKU012	Building interior renovations/repairs/upgrades	\$3,500,000	Underway	
EKU013	Begley Building Deferred Maintenance	\$6,500,000	Planning	
	Subtotal	<u>\$59,200,000</u>		

1-Feb-23

Kentucky State University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$16,078,000
Campus Match	<u>2,412,000</u>
Total	\$18,490,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$0
Asset Pres. Fees	2,412,000
Donations	0
Agency Bonds	<u>0</u>
	\$2,412,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

	<u>Estimate</u>	<u>Status</u>
1. Roof Repairs/Replacement		
Roof Repairs -Chandler Hall	400,000	Planning
Roof Repairs - Jordan Maintenance Bldg.	300,000	Planning
Roof Repairs - McCullin Hall	300,000	Planning
Roof Repairs - Hume Hall	300,000	Planning
2. Environmental, Health & Safety Repairs & Upgrades		
Fire pump replacement ASB	55,000	Planning
Jackson Hall fire panel replacement	15,000	Planning
Emergency eye wash stations upgrades	5,000	Planning
Sprinkler systems deficiencies/repairs	10,000	Planning
Bradford Hall chair lift upgrade	10,000	Planning
COOP Bldg HVAC controller replacement	15,000	Planning
Access - sidewalk repairs & replacement, handrails, building entries	217,000	Planning
Elevator emergency telephones repair & upgrades	150,000	Planning
Fall protection/roof anchors on 8 buildings & railings a hatches	40,000	Planning
Replace Uninterruptible Power Supply – multiple buildings	125,000	Planning
Water heater in WM Young – replace	12,000	Planning
Mold remediation – Kentucky Hall basement	120,000	Planning
Exum dry sprinkler pipe repair/replacement	50,000	Planning
New wireless cards for fire panel dialers	25,000	Planning
Exterior Entrance/ADA Repairs	150,000	Planning
Campuswide Elevators repair and replacements	750,000	Planning
3. Site Work/Grounds/Parking Repairs	500,000	Planning
4. Residence Hall Renovations	7,441,000	Planning
5. Exterior Stabilization - Exum EFIS	500,000	Planning
6. Exterior Stabilization - Blazer Windows	250,000	Planning
7. Exterior Stabilization - Hume Hall	250,000	Planning
8. Exum Center Renovation (Interior & Exterior)	<u>6,500,000</u>	Planning
TOTAL	\$18,490,000	

Morehead State University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$35,222,000
Campus Match	<u>5,284,000</u>
Total	\$40,506,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$1,517,949
Asset Pres. Fees	1,124,051
Donations	0
Agency Bonds	<u>2,642,000</u>
	\$5,284,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

Project	Building	Estimate	Status
1 HVAC and Electrical upgrade	Camden-Carroll Library	\$1,450,000	Design
2 HVAC upgrade	Lappin Hall	\$50,000	Underway
3 HVAC upgrade	Ky Folk Art Center	\$40,000	Completed
4 HVAC upgrade	Howell McDowell Administration	\$404,799	Underway
5 HVAC upgrade	Rader Hall	\$308,823	Design
6 HVAC upgrade	Claypool-Young Art Building	\$300,000	Underway
7 HVAC upgrade	Ginger Hall	\$340,064	Underway
8 HVAC upgrade	Bert Combs Bldg.	\$700,000	Planning
9 HVAC upgrade	Breckinridge Hall	\$300,000	Design
10 HVAC upgrade	Enrollment Services (new)	\$300,000	Underway
11 HVAC upgrade	Baird Music Hall	\$400,000	Design
12 HVAC upgrade	Button Auditorium	\$400,000	Design
13 HVAC upgrade	Presidents Residence	\$11,111	Completed
14 HVAC upgrade	Fields Hall	\$210,000	Completed
15 HVAC upgrade	Mays Hall Apts.	\$200,000	Completed
16 HVAC upgrade	West Mignon Hall	\$120,000	Completed
17 HVAC upgrade	East Mignon Hall	\$100,000	Underway
18 HVAC upgrade	Normal Hall Apts.	\$50,000	Underway
19 Elevator	Cartmell Hall	\$559,000	Completed
20 Campus wide building automation system	Multiple E&G and residential facilities	\$400,000	Design
21 Water Treatment Plant Sediment Basin design	Multiple E&G and residential facilities	\$113,040	Design
22 Fire alarm system upgrade various E&G Buildings	Multiple E&G and residential facilities	\$52,000	Underway
23 Upgrade wireless campus communication systems	Multiple E&G and residential facilities	\$2,750,000	Underway
24 Fire Alarm System upgrade	Alumni Tower	\$80,000	Completed
25 New Roof	Nunn Hall	\$400,000	Underway
26 New Roof	Mignon Tower	\$500,000	Design
27 New Roof	Enrollment Services (new)	\$300,000	Underway
28 New Roof	Camden-Carroll Library	\$400,000	Underway
29 New Roof	Academic-Athletic Center	\$700,000	Underway
30 Life Safety upgrades	Alumni Tower	\$150,000	Underway
31 Steps	Alumni Tower	\$86,000	Completed
32 Modernization/Renovation	Cooper Hall	\$8,000,000	Design
To be determined		<u>\$20,331,163</u>	
		\$40,506,000	

Rationale: Campus leaders identified these projects as timely and of high importance. Projects 1-20 address health and comfort needs of students and staff (HVAC and Mechanical related), Projects 21-24 and 30 address life/safety issues, Projects 25 - 29 address water infiltration and roof replacement needs and projects 31 -32 consist of renovating and modernizing buildings in need of significant repairs on campus.

Murray State University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$47,176,000
Campus Match	<u>7,078,000</u>
Total	\$54,254,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$0
Asset Pres. Fees	0
Donations	0
Agency Bonds	<u>7,078,000</u> (Funded from Asset Preservation Fees)
	\$7,078,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

Project	Estimate	Status
1. Renovate Applied Science - Enhancements and infrastructure for Hutson School of Ag & to include the relocation of Nursing and Health Professions Classrooms/Offices to Mason Hall or proposed new NHP Building.	\$10,824,000	Planning
2. Renovate Mason Hall Labs/Classrooms/Systems - enhancements for School of Nursing & Health Professions	\$10,824,000	Design
3. Curris Center (student union) deferred maintenance	6,065,000	Underway
4. Carr Hall HVAC upgrades and deferred maintenance	5,740,000	Design
5. Racer Arena heating replacement and addition of air conditioning	combined with above Carr Hall project	
6. Waterfield HVAC phase II air handler replacements	700,000	Underway
7. CFSB Center cooling tower replacements	625,000	Underway
8. Hancock Biological Station HVAC replacement	<u>813,000</u>	Design
Total	\$35,591,000	

Projects 1 and 2 include ADA improvements, updates necessary for academic programming, elevators

replacement, HVAC and electrical maintenance.

Project 3 is an overall maintenance to prolong the usefulness of the building, to include new flooring, updating restrooms and fixtures, lighting enhancements.

Projects 4, 5 6, 7 and 8 are badly needed replacements of heating and cooling systems and the peripheral work that goes with such a project.

Northern Kentucky University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$46,794,000
Campus Match	<u>7,020,000</u>
Total	\$53,814,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$7,020,000
Asset Pres. Fees	0
Donations	0
Agency Bonds	<u>0</u>
	\$7,020,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

Priority	Description	Estimate	Rating	Reason	Status
1	Renew/Renovate Fine Arts	\$ 13,240,000	U	Life Safety/High Risk	Design
2	Renew/Renovate Nunn Hall	8,800,000	U	Life Safety/High Risk	Design
3	BC & MP Bldgs Fire Alarm Modernization	540,000	U	Age/Poor Condition	Underway
4	Replace Norse Commons Rooftop HVAC Units	350,000	U	Poor Condition	Underway
5	Power Plant Boiler Controls Upgrade	380,000	U	Urgent/High Risk	Underway
6	Fine Arts Freight Elevator Modernization	380,000	N	Age/Condition	Design
7	Campbell / Upgrade Return System	450,000	N	Age/Condition	Design
8	Rebuild Cooling Towers / Power Plant	626,000	U	Urgent/Age/Condition	Underway
9	Refurbish Interior Landrum Stairwells	345,000	N	Poor Condition	Design
10	Maint Bldg Replace Rooftop Units	175,000	U	Age/Condition	Design
11	Main. Bldg Restore Roof	540,000	U	Condition/Asset Pres	Underway
12	Underground Water Line Valve Replacements	225,000	N	Non-Function/High Risk	Planning
13	Nunn Hall Façade Repairs	235,000	N	Structural/High Risk	Design
14	Concrete Sidewalk/Plaza Repairs	500,000	N	Condition/Asset Pres	Design
15	Sewer Line Repairs	50,000	N	Age/Condition	Design
16	Regents Hall-Bleachers & Floor Repl	600,000	D	Age/Condition	Underway
17	Roadway Pavement Repairs Phase I	400,000	N	Condition/Asset Pres	Planning
18	Fire Alarm Cabling Upgrades	100,000	N	Age/Condition	Design
19	Replace Flooring	150,000	N	Age/Condition	Design
20	Signage Replacement Pool	40,000	N	Age/Condition	Design
21	Opportunity House Sewer Line Repair	28,085	U	Age/Condition	Complete
22	AC 2nd Floor / Risk Mitigation	15,000	U	Age/Condition	Design
23	Misc. Deferred Maintenance Needs, TBD	296,915	N	Age/Condition	Planning
24	KY/Commonwealth Hall Emergency Generator	105,000	N	Age/Condition	Underway
25	Regents Hall Emergency Generator	175,000	N	Age/Condition	Underway
26	Steely Emergency Generator	320,000	N	Age/Condition	Underway
27	Steely Replace Switchgear	525,000	N	Age/Condition	Design
28	Univ Center Replace Switchgear	330,000	N	Age/Condition	Design
29	Landrum Floor / RR Renov.	3,950,000	N	Poor Condition	Planning
30	Nunn Hall Restore Roof	540,000	N	Condition/Asset Pres	Design
31	Fine Arts Water Heater Replacement	25,000	N	Age/Condition	Planning
32	Steely Fire Alarm Modernization	90,000	N	Age/Condition	Planning
33	Steely Elevator Modernization (Orig Passenger Elev.)	350,000	N	Age/Condition	Planning
34	Steely Glass Elevator Modernization	360,000	N	Age/Condition	Design

35	Old Civic Center Systems Repl	2,300,000	U	Age/Condition	Planning
36	Roadway Pavement Repairs Phase II	400,000	N	Condition/Asset Pres	Planning
37	Misc. Deferred Maintenance Needs, TBD	400,000	N	Age/Condition	Planning
38	Steely HVAC System Replacement	5,900,000	N	Age/Condition	Planning
39	Replace Exterior Light Poles Phase I	550,000	U & N	Structural/High Risk	Planning
40	Northern Terrace Upgrade Elevators	340,000	N	Age/Condition	Planning
41	Replace 1,800' Steel Gas Lines	2,200,000	N	Condition/Asset Pres	Planning
42	Regents Hall Repl Generator & Switchgear	625,000	N	Age/Condition	Design
43	Bus Acad. Ctr Façade Repairs/Clean/Caulk	365,000	N	Structural/High Risk	Planning
44	Admin Center Plumbing Infrastr. & RR Renovation	1,750,000	N	Poor Condition	Planning
45	Fine Arts Smoke Vent Repair	150,000	U	Condition/Asset Pres	Planning
46	Replace Flooring	150,000	N	Age/Condition	Planning
47	Fine Arts Skylight Repairs	170,000	N	Age/Condition	Planning
48	Replace Parking Lot L Lights	60,000	N	Age/Condition	Planning

\$ 50,596,000

RATINGS

U	urgent
N	necessary
D	desired
U	urgent
N	necessary
D	desired

Western Kentucky University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$68,080,000
Campus Match	10,212,000
Total	\$78,292,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$10,212,000
Asset Pres. Fees	0
Donations	0
Agency Bonds	0
	\$10,212,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

E&G Building	Asset Preservation Action	Rationale	Estimate	Status
Academic Complex (AC)	Window Refurbishment/Waterproofing	Building Envelope Preservation	\$500,000	Planning
Academic Complex (AC)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	\$105,000	Planning
Agricultural Exposition Center (AEC)	Refurbish, clean, and upgrade controls of AHUs (6)	Indoor Air Quality (HVAC)	75,000	Planning
Agricultural Exposition Center (AEC)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	85,000	Planning
CAM E&G	Steam Line Repairs Summer of 2022	Indoor Air Quality (HVAC)	1,266,944	Complete
CAM E&G	Steam Line Repairs Summer of 2023	Indoor Air Quality (HVAC)	1,733,056	Design
CAM E&G	Outdoor Lighting LED Conversion (Safety)	Life Safety	1,500,000	Planning
CAM E&G	High Voltage Distribution System	Life Safety	3,000,000	Design
CAM E&G	Sanitary Sewer System	Infrastructure Reliability	1,500,000	Planning
CAM E&G	Domestic Water System	Infrastructure Reliability	600,000	Planning
CAM E&G	Fiber Optic Cabling System	Infrastructure Reliability	2,000,000	Planning
CAM E&G	Building Automation System Upgrades	Indoor Air Quality (HVAC)	2,000,000	Planning
CAM E&G	Natural Gas Systems	Infrastructure Reliability	500,000	Planning
CAM E&G	Storm Water System	Infrastructure Reliability	1,000,000	Planning
Cravens Library (RCL)	Generator Replacement (reliability)	Life Safety	75,000	Planning
Cravens Library (RCL)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	150,000	Planning
Cravens Library (RCL)	Screen Wall Replacement	Building Envelope Preservation	100,000	Planning
Cravens Library (RCL)	AHU 3/4 Replacement (IAQ)	Indoor Air Quality (HVAC)	1,000,000	Planning
Cravens Library (RCL)	Window Wall repair	Building Envelope Preservation	75,000	Planning
Cherry Hall	Design Assesment and Construction	Renovation/Modernization	30,000,000	Design
Central Heat Plant	Feedpump replacement/Repair (reliability)	Indoor Air Quality (HVAC)	325,000	Planning
Science &Technology Hall (STH), (New name; College High Hall, (COHH))	Thru Wall HVAC replacement	Indoor Air Quality (HVAC)	350,000	Planning
Science &Technology Hall (STH), (New name; College High Hall, (COHH))	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	30,000	Planning
Science &Technology Hall (STH), (New name; College High Hall, (COHH))	Replace Generator	Life Safety	70,000	Planning
Collonade	Refurbishment/Restoration	Building Envelope Preservation	750,000	Planning
Center for Research and Development	Roof refurbishment	Building Envelope Preservation	5,000,000	Planning
Center for Research and Development	Roof refurbishment	Building Envelope Preservation	200,000	Underway
Center for Research and Development	Overall Facility Renewal	Interior Modernization	2,000,000	Planning

Engineering & Biological Sciences	Roof coating/warranty extension	Building Envelope Preservation	350,000	Planning
Engineering & Biological Sciences	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	325,000	Underway
Engineering & Biological Sciences	Phoenix Valve Replacement (IAQ)	Indoor Air Quality (HVAC)	300,000	Planning
Engineering & Biological Sciences	VAV Upgrade (IAQ)	Indoor Air Quality (HVAC)	190,000	Planning
Engineering & Biological Sciences	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	80,000	Planning
Environmental Science & Technology (EST)	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	130,000	Planning
Environmental Science & Technology (EST)	Chiller Renewal - 200 Ton (IAQ)	Indoor Air Quality (HVAC)	400,000	Planning
Environmental Science & Technology (EST)	Replace Air Handling Units #1	Indoor Air Quality (HVAC)	350,000	Design
Environmental Science & Technology (EST)	Replace Air Handling Units #2	Indoor Air Quality (HVAC)	350,000	Planning
Environmental Science & Technology (EST)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	325,000	Planning
Environmental Science & Technology (EST)	Upgrade of VAV unit Controllers (IAQ)	Indoor Air Quality (HVAC)	190,000	Planning
Environmental Science & Technology (EST)	Upgrade of Phoenix unit Controllers (IAQ)	Indoor Air Quality (HVAC)	280,000	Planning
Environmental Science & Technology (EST)	Rooftop safety	Life Safety	10,000	Planning
Environmental Science & Technology (EST)	Soft refurbishment (Lights/paint/flooring)	Interior Modernization	1,500,000	Planning
Environmental Science & Technology (EST)	Elevator conversion/refurbishment	Life Safety	250,000	Planning
Ivan Wilson Fine Arts Center (FAC)	Rooftop safety	Life Safety	10,000	Planning
Ivan Wilson Fine Arts Center (FAC)	Replace AHU #1 at FAC	Indoor Air Quality (HVAC)	225,000	Planning
Ivan Wilson Fine Arts Center (FAC)	Roof Replacement (lower sections/hole)	Building Envelope Preservation	350,000	Planning
Ivan Wilson Fine Arts Center (FAC)	Elevator Car conversion/refurbishment	Life Safety	350,000	Planning
Ivan Wilson Fine Arts Center (FAC)	4 Pipe Conversion (completion)	Indoor Air Quality (HVAC)	500,000	Planning
Ivan Wilson Fine Arts Center (FAC)	RM Theater Lighting Modifications	Interior Modernization	75,000	Planning
Ivan Wilson Fine Arts Center (FAC)	Thru Wall HVAC replacement (IAQ)	Indoor Air Quality (HVAC)	400,000	Planning
Faculty House	External refurbishment (chinking)/Roof replacement	Building Envelope Preservation	100,000	Planning
Florence Schneider Hall (FS), (New Name; Academy for Mathematics and Sciences of KY (FS))	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	95,000	Planning
Gary Ransdell Hall	Natural Gas Line Replacement	Infrastructure Reliability	50,000	Planning
Grise Hall	Rooftop safety	Life Safety	25,000	Planning
Grise Hall	Duct Cleaning (IAQ)	Indoor Air Quality (HVAC)	200,000	Planning
Grise Hall*	Chiller Renewal (IAQ)	Indoor Air Quality (HVAC)	410,000	Planning
Grise Hall*	Electrical Repair - Switchgear	Infrastructure Reliability	1,600,000	Planning
Gordon Wilson Hall	Elevator Installation *(ADA Access to upper floors)	Life Safety	3,000,000	Planning
Health Services Center (HS)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	140,000	Planning
Industrial Education Building	Roof Improvements (In-Process)	Building Envelope Preservation	140,000	Planning
Industrial Education Building	External stone repair - replace spalled stones and improper stone repairs.	Building Envelope Preservation	150,000	Planning
Industrial Education Building	Carpet replacement	Interior Modernization	75,000	Underway
Industrial Education Building	Chiller Replacement	Indoor Air Quality (HVAC)	300,000	Planning
Industrial Education Building	Storm Drain Refurbishment	Infrastructure Reliability	25,000	Planning
Industrial Education Building	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	75,000	Planning
Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH))	Roof Coating	Building Envelope Preservation	980,000	Underway
Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH))	Building renovation of Academic Space	Renovation/Modernization	2,000,000	Design
Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH))	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	150,000	Planning
Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH))	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	150,000	Planning
Knically Conference Center	Rooftop safety	Life Safety	10,000	Planning
Kentucky Building	Rooftop safety	Life Safety	25,000	Planning
Kentucky Building	Envelope/Plaster Repairs	Building Envelope Preservation	450,000	Planning
Kentucky Building	Roof Coating/Warranty Extension	Building Envelope Preservation	250,000	Planning
LOG Cabins	External Repairs	Building Envelope Preservation	25,000	Planning
Hardin Planatarium	HVAC Installation (remove from KTH)	Indoor Air Quality (HVAC)	300,000	Planning
Potter Hall	Air Make-up units Replacement (7) (IAQ)	Indoor Air Quality (HVAC)	875,000	Planning
Potter Hall	Rooftop safety	Life Safety	50,000	Planning

Potter Hall	4 Pipe Conversion (thru wall conversion?) (IAQ)	Indoor Air Quality (HVAC)	1,000,000	Planning
Snell Hall (SH)	Rooftop safety	Life Safety	35,000	Planning
Snell Hall (SH)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. (Project Index 929936)	Indoor Air Quality (HVAC)	145,000	Underway
South Campus (SC)	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	150,000	Planning
South Campus (SC)	Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system.	Indoor Air Quality (HVAC)	200,000	Planning
South Campus (SC)	Roof refurbishment (Project Index 929937)	Building Envelope Preservation	570,000	Underway
South Campus (SC)	Chiller Replacement (IAQ)	Indoor Air Quality (HVAC)	400,000	Planning
South Campus (SC)	Academic Wing roof Coating	Building Envelope Preservation	570,000	Planning
Service Supply Building	Freight Elevator Replacement (old and not reliable)	Life Safety	500,000	Planning
Various Locations	BACNET from N2 Conversion Non-Critical Systems	Indoor Air Quality (HVAC)	1,500,000	Planning
Van Meter Hall	Rooftop safety	Life Safety	40,000	Planning
Van Meter Hall	Plaster repair (water damage)	Interior Modernization	75,000	Planning
Wetherby Administration Building	4 Pipe Conversion (true 4 pipe)	Indoor Air Quality (HVAC)	250,000	Planning
Wetherby Administration Building	Porch rip/replace (water intrusion)	Building Envelope Preservation	25,000	Planning
Wetherby Administration Building	Chiller Replacement (IAQ)	Indoor Air Quality (HVAC)	500,000	Planning
			\$80,540,000	

January 25, 2023

KCTCS

Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$179,262,000
Campus Match	<u>26,890,000</u>
Total	\$206,152,000

Campus Match - Anticipated Fund Sources

Institutional Funds	\$26,890,000
Asset Pres. Fees	0
Donations	0
Agency Bonds	<u>0</u>
	\$26,890,000

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

PROJECT TITLE	Estimate	Status
Renovate and/or Construct Transportation Training Center - Ashland CTC	\$12,000,000	Planning
Renovate Main Building Phase II - Ashland CTC	10,000,000	Planning
Roof Replacements - Ashland CTC	2,200,000	Design
Roof Replacements - Big Sandy CTC	3,200,000	Design
Renovate Administration Building - Bluegrass CTC	9,700,000	Design
Renovate Science Building Labs - Elizabethtown CTC	6,400,000	Design
Student Center Roof - Elizabethtown CTC	484,000	Underway
Site Development Improvements - Elizabethtown CTC	999,000	Design
Parking Lot Paving Main Campus - Elizabethtown CTC	999,000	Planning
Roof Replacements - Gateway CTC	4,000,000	Design
Mechanical Equipment and Controls - Gateway CTC	4,500,000	Design
Renovate Jolly Classroom Center - Hazard CTC	6,300,000	Design
HVAC Upgrades - Hazard CTC	4,700,000	Planning
Student Center Relocation & Demolition - Henderson CC	1,000,000	Underway
Administration - Replace Doors and Windows - Henderson CC	600,000	Design
Building Controls/Energy Mgt - Henderson CC	1,000,000	Planning
Renovate Academic Building - Hopkinsville CC	13,900,000	Design
HVAC Upgrade Academic Building - Hopkinsville CC	3,500,000	Planning
Renovate and/or Replace Hartford Building Phase I - Jefferson CTC	22,500,000	Design
Renovate Science Labs - Jefferson CTC	3,000,000	Planning
Renovate Technical Campus - Madisonville CC	3,400,000	Planning
Renovate Aviation - Madisonville CC	1,700,000	Underway

Glema Mahr Roof - Madisonville CC	1,188,000	Underway
Roof Replacements - Maysville CTC	1,300,000	Design
Parking Lot Repairs - Maysville Campus - Maysville CTC	999,000	Planning
Window Leaks - Maysville CTC	999,000	Design
Upgrade Fire Alarms - Maysville CTC	1,500,000	Design
Replace HVAC System Phase I - Main Campus - Owensboro CTC	4,100,000	Design
Exterior Repairs - Owensboro CTC	520,721	Design
Upgrade Life and Fire Safety - Owensboro CTC	2,400,000	Design
Southeast Roof Repairs - Owensboro CTC	600,000	Underway
Renovate Laurel South Campus Phase I - Somerset CC	6,000,000	Planning
Life Safety Upgrades - Somerset CC	4,300,000	Design
Upgrade HVAC South Campus - Somerset CC	2,300,000	Design
ADA Upgrades - Somerset CC	1,600,000	Planning
Replace Windows & Doors - Somerset CC	1,200,000	Planning
Valley Oak Renovation - Somerset CC	999,000	Design
Renovate Main Campus Buildings - Southcentral CTC	10,000,000	Design
Roof Replacements - Southeast KY CTC	1,500,000	Design
Mechanical Equipment Upgrades - Southeast KY CTC	7,000,000	Design
Renovate Pineville Campus - Southeast KY CTC	3,500,000	Planning
Renovate Main Campus Buildings - West KY CTC	5,000,000	Design
Renovate Parking Lot and Sidewalks - West KY CTC	3,400,000	Design
Fire Alarm Upgrades Group 1 - KCTCS	999,000	Design
Fire Alarm Upgrades Group 2 - KCTCS	999,000	Design
	\$178,485,721	