

The enacted *2022-24 Budget of the Commonwealth* (22 RS, HB 1) authorizes \$683.5 million in General Fund supported bond funds for an Asset Preservation Pool to support individual asset preservation, renovation, and maintenance projects at Kentucky public postsecondary institutions. Language included in the bill requires institutions to provide matching funds for each project, with research institutions required to provide a 30-cent match for every state dollar and comprehensive and KCTCS institutions required to provide a 15-cent match for every state dollar. Pool funds will help campuses address a projected \$7.3 billion total need for asset preservation and renovation of postsecondary education facilities.

The enacted budget specifies that pool funds may be used to address individual asset preservation and renovation projects related to Education and General facilities and state-owned and operated residential housing facilities. HB 1 states that capital projects, as defined in KRS 45.750(1)(f), which are funded from the Asset Preservation Pool or from a combination of pool and campus matching funds, are authorized. Institutions are required to report these projects to the Capital Projects and Bond Oversight Committee.

On June 17, the Council on Postsecondary Education approved a set of guidelines that will facilitate the process of identifying eligible projects, certifying expenditures, and requesting reimbursement for projects funded from the Asset Preservation Pool. Council staff will review planned projects and verify that they meet the criteria set forth in HB 1 and certify that expenditures are eligible for reimbursement.

Attached is a preliminary list of asset preservation projects received from each institution that campus administrators anticipate will be funded from the Asset Preservation Pool. These lists are preliminary and subject to change, as actual project costs may differ from the planned scope of the projects or an institution's priorities for the use of funds may change. At this time, Council staff has not fully reviewed these projects to determine eligibility.

July 6, 2022

University of Kentucky
Preliminary List of Asset Preservation Pool Projects

Pool Funds

Bond Funds	\$154,196,000
Campus Match	<u>23,130,000</u>
Total	\$177,326,000

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.

<u>Projects</u>	<u>Estimates</u>
2022-23:	
• Improve Multi-Disciplinary Science Building	\$10,000,000
• Improve White Hall Classroom Building Phase I	8,000,000
• Improve Pence Hall	32,000,000
• Improve Patterson Office Tower	5,000,000
• Improve Miller Hall	10,000,000
• Improve Peterson Service Building	10,000,000
• Various Infrastructure/System Improvements	<u>25,000,000</u>
	\$100,000,000
2023-24:	
• Improve White Hall Classroom Building Phase II	\$75,000,000
• Various Infrastructure/System Improvements	<u>25,000,000</u>
	\$100,000,000

July 6, 2022

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

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

Description	Building Name	Estimate
Campus Lighting Phase 1	All	\$ 214,200
Campus Lighting Phase 2	All	102,000
Upgrade all Campus Camera Systems Phase 1	All	510,000
*Critical Building Automation Control Upgrades Phase 1 Control	Specific Buildings	2,040,000
Critical Building Automation Control Upgrades Phase 2 Control	Specific Buildings	2,040,000
*VFD Replacements Phase 1	Specific Buildings	510,000
VFD Replacements Phase 2	Specific Buildings	510,000
Upgrade all Campus Camera Systems Phase 2	All	510,000
*Upgrade Campus Electrical Distribution System located at Grawemeyer Hall	Grawemeyer Hall	1,285,200
*Brigman	Brigman Hall	469,200
Gardiner Hall Fire Alarm Upgrades	Gardiner Hall	122,400
Esktrom Library Robotic Arm replacement	Esktrom Library	586,500
Esktrom Library, Document and Artifact Archives	Esktrom Library	382,500
Esktrom Library Roof	Esktrom Library	642,600
Gottschalk Hall Fire Alarm Upgrades	Gottschalk Hall	102,000
Student Activities Center (Elevator #3)	SAC	86,700
*Life Science	Life Science	586,500
Life Science – Electrical system replacement (switchgear, generator, ATS electrical panels)	Life Science	3,570,000
Life Science – HVAC replacement/ upgrades new HVAC systems, lighting and plumbing systems repairs.	Life Science	5,916,000
Lab Refreshment - Finishes, ceilings, lights and HVAC vents (recommend after completing with the HVAC scope of work) for Life Sciences	Life Science	336,600
Building Entries Refreshment - Finishes, lights, branding and signage for Life Sciences	Life Science	114,750
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Life Sciences	Life Science	267,750
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Life Sciences	Life Science	206,550
Auditorium Refreshment - Finishes, lighting and ADA compliance work for Life Sciences	Life Science	204,000
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for Life Sciences	Life Science	61,200
ADA Door Hardware Improvements – Door Hardware: Life Sciences	Life Science	214,200
Law School (Elevator #2 East Side)	Law School	96,900
Law School (Elevator #3 West Side)	Law School	86,700
Law School Fire Alarm Upgrade	Law School	178,500
*Law`	Law School	586,500
Miller Information Technology Center Fire Alarm	Miller Information	178,500
Lutz Hall - HVAC upgrades to AHU and 3rd floor inclusive of Laboratory areas	Lutz Hall-STEM	2,040,000
*JB Speed School - Electrical system, switch gear, bare neutrals, and electrical panels	J. B. Speed School - STEM	1,785,000
JB Speed- HVAC upgrades (requires electrical upgrades completed first)	J. B. Speed School - STEM	1,836,000
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Lutz	Lutz Hall-STEM	169,400
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for JB Speed	J. B. Speed School - STEM	107,100
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for JB Speed	J. B. Speed School - STEM	206,550
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for JB Speed	J. B. Speed School - STEM	51,000
ADA Door Hardware Improvements – Door Hardware: JB Speed	J. B. Speed School - STEM	198,900

Building Entries Refreshment - Finishes, lights, branding and signage for Sacket	Sacket-STEM	89,250
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Sacket	Sacket-STEM	206,550
ADA Door Hardware Improvements – Door Hardware: Sacket	Sacket-STEM	76,500
ADA Ramp Access Improvements - Ramps for Sacket	Sacket-STEM	76,500
WS Speed Fire Alarm	W.S. Speed-STEM	96,900
W.S. Speed and Life Sciences Elevators updates	W.S. Speed-STEM	510,000
Building Entries Refreshment - Finishes, lights, branding and signage for WS Speed	W.S. Speed-STEM	53,550
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for WS Speed	W.S. Speed-STEM	229,500
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for WS Speed	W.S. Speed-STEM	206,550
ADA Door Hardware Improvements – Door Hardware: WS Speed	W.S. Speed-STEM	153,000
Ernst Hall Fire Alarm Upgrades	Ernst Hall-STEM	142,800
*Ernst	Ernst Hall-STEM	530,400
Ernst Hall Auditorium (high utilization for exams)- HVAC upgrades, lighting, ceiling and platform ADA accessibility	Ernst Hall-STEM	348,840
Building Entries Refreshment - Finishes, lights, branding and signage for Ernst	Ernst Hall-STEM	51,000
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Ernst	Ernst Hall-STEM	107,100
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Ernst	Ernst Hall-STEM	206,550
ADA Door Hardware Improvements – Door Hardware: Ernst	Ernst Hall-STEM	91,800
*Natural Science	Natural Science-STEM	469,200
Natural Science – Electrical system replacement (switchgear, generator, ATS electrical panels).	Natural Science-STEM	2,040,000
Natural Sciences- HVAC upgrades to AHU, ductwork and terminal devices	Natural Science-STEM	6,120,000
Natural Science - Fire Alarm replacement	Natural Science-STEM	510,000
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
Building Entries Refreshment - Finishes, lights, branding and signage for Natural Sciences	Natural Science-STEM	196,350
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Natural Sciences	Natural Science-STEM	408,000
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Natural Sciences	Natural Science-STEM	433,500
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for Natural Sciences	Natural Science-STEM	89,200
ADA Door Hardware Improvements – Door Hardware: Natural Sciences	Natural Science-STEM	275,400
ADA Ramp Access Improvements - Ramps for Natural Sciences	Natural Science-STEM	137,700
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
Urban & Public Affairs (CUER) Fire Alarm	Urban & Public Affairs	153,000
*Thrust Theatre – upgrade HVAC System	Thrust Theatre	1,428,000
HPER Kiln Shed	HPER Kiln	255,000
*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
School of Music - upgrade cloud for acoustical/lighting	Music School	510,000
Education Building - VAV reheat/Envelope	Education Building	1,927,800
Law library sublevel AHU replacement	Law School	449,500
*Strickler Hall – HVAC upgrades	Strickler Hall	386,580
*Strickler	Strickler Hall	703,800
*Business	Business School	703,800
*Vogt Building – AHU replacements, replace outdated chillers and piping located under the building making repairs and maintenance impossible.	Vogt Building	1,836,000
Building Entries Refreshment - Finishes, lights, branding and signage for Vogt	Vogt Building	45,900
Upgrade existing Belknap Campus Access Control systems	All	1,020,000
Upgrade existing HSC Campus Access Control systems	All	2,550,000
51 Medical Dental Research - Electrical updates (Main switchgear, generator, panelboards, lighting)	Medical Dental	2,040,000
Medical Dental Research (Master fire alarm control panel and strobes)	Medical Dental	76,500
51 Medical Dental Research - Plumbing updates (Domestic water, sanitary piping, fixtures)	Medical Dental	1,020,000
56 Kentucky Lions Eye Clinic - Electrical updates (Main switchgear, generator, panelboards, lighting)	Kentucky Lions Eye	1,020,000
*Kentucky Lions Eye (West and East) Elevator	Kentucky Lions Eye	428,400
Kentucky Lions Eye Clinic (Master fire alarm control panel and strobes)	Kentucky Lions Eye	76,500
56 Kentucky Lions Eye Clinic - Plumbing updates (Domestic water, sanitary piping, fixtures)	Kentucky Lions Eye	765,000

57 Research Resource Center - Electrical updates (Main switchgear, generator, panelboards, lighting) \$1,500,000	Research Resource Ctr	1,530,000
RRC (Master fire alarm control panel and strobes)	Research Resource Ctr	178,500
57 Research Resource Center - Plumbing updates (Domestic water, sanitary piping, fixtures)	Research Resource Ctr	765,000
55A School of Medicine Tower - Electrical updates (Main switchgear, generator, panelboards, lighting)	Medical Tower	1,530,000
School of Medicine Tower 55A (Master fire alarm control panel and strobes)	Medical Tower	76,500
55A School of Medicine Tower - HVAC updates (Chilled water, steam, condensate, heating water, AHUs, exhaust fans, terminal units, controls)	Medical Tower	2,550,000
55A School of Medicine Tower - Plumbing updates (Domestic water, sanitary piping, fixtures)	Medical Tower	1,530,000
School of Medicine (55A)	Medical Tower	321,300
55B School of Medicine - Electrical updates (Main switchgear, generator, panelboards, fixtures)	Instructional Bldg.	1,020,000
55B School of Medicine Elevator	Instructional Bldg.	188,700
School of Medicine 55B (Master fire alarm control panel and strobes)	Instructional Bldg.	76,500
55B School of Medicine - Fresh Tissue and Morgue HVAC/Electrical Upgrades	Instructional Bldg.	2,249,100
55B School of Medicine - Gross Anatomy Lab HVAC/Electrical Upgrades	Instructional Bldg.	2,034,900
*55B	Instructional Bldg.	821,100
55D Kornhauser Library (Back Elevator)	Kornhauser Library	86,700
Kornhauser Library (Master fire alarm control panel and strobes)	Kornhauser Library	76,500
55D Kornhauser Library - HVAC updates (Chilled water, steam, condensate, heating water, AHUs, exhaust fans, terminal units, controls)	Kornhauser Library	3,336,580
55D Kornhauser Library - Plumbing updates (Domestic water, sanitary piping, fixtures)	Kornhauser Library	510,000
Donald Baxter Research (Fire Alarm Controls / Infrastructure, Strobes/Horns)	Baxter 1	51,000
55E Donald Baxter Building - HVAC (Refurbish AHU-1)/Electrical Upgrades	Baxter 1	1,606,500
55E Donald Baxter Building - Basement auditorium Improvements (furniture, finishes, ceilings, lighting, carpet)	Baxter 1	510,000
Delia Baxter Research (Master fire alarm control panel and strobes)	Baxter 2	76,500
55F Delia Baxter Building - HVAC/Electrical Upgrades	Baxter 2	1,020,000
CTR (Master fire alarm control panel and strobes)	CTR	306,000
CII (Master fire alarm control panel and strobes)	CII	204,000
K-Wing	K-Wing	76,500
ADA Door Hardware Improvements	Specific Buildings	204,000
Belknap Steam and Chilled Water Plant, Phase 1 - Structural repairs of metal cooling tower supports	Belknap Steam and Chiller Water Plant	255,000
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
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
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
Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle	Specific Buildings	510,000
Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work	Specific Buildings	765,000
Building Entries Refreshment - Finishes, lights, branding and signage	Specific Buildings	510,000
Building Site Refreshment - Softscape, hardscape, site lighting, site utilities & Irrigation	Specific Buildings	255,000
Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes	Specific Buildings	306,000
Planetarium Theatrical lighting upgrade	Gheens Hall (Planetarium)	382,500
Medical Dental Apartments demolition	Medical Dental Apartments	1,530,000
Kornhauser Auditorium ADA	Kornhauser Library	442,000
CPM (Master fire alarm control panel and strobes)	CPM	178,500

\$106,452,000

		% of Total
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	\$106,452,000	

July 6, 2022

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

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>Urgent Asset Preservation Priorities</u>	<u>Estimate</u>
Campus-wide Deferred Maintenance, Renovation, Upgrades and Improvements	
Chillers	\$ 500,000
Cooling Towers	500,000
Electrical Transformer Maintenance	750,000
Elevator Modernization	500,000
Gas Line Mapping and Repairs	500,000
Parking Lot and Exterior Lighting	1,000,000
Parking Lot Drainage and Paving	1,000,000
Steam Lines, Vaults, Boilers	<u>3,000,000</u>
Subtotal	\$ 7,750,000
Significant Facility Maintenance and Repairs	
Cammack	\$ 600,000
Coates	4,625,000
Combs	2,738,000
Commonwealth	6,000,000
Keen Johnson	750,000
Perkins	500,000
Powell	1,000,000
Ramsey Heat Plant	1,000,000
Rowlette	1,000,000
Wallace	<u>2,600,000</u>
Subtotal	\$ 20,813,000
TOTAL	<u>\$ 28,563,000</u>

The project concepts presented reflect Board approval and are a current working sample of projects for reimbursement. The projects listed do not represent a final or definitive selection of project needs nor do they represent the full obligation of the amounts appropriated for Eastern Kentucky University. University managers anticipate an evolving set of project needs over the coming biennium that, following deliberation, would be updated and revised for this grouping of priorities through the next two fiscal years. Obligation estimates are for context and information only and do not reflect final bid acceptance.

July 6, 2022

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

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

- 1. Roof Repairs/Replacement** **\$ 6,500,000**
- Academic Services Bldg. \$1.5M*
 - Combs Hall \$450K*
 - Chandler Hall \$400K*
 - Hill Student Center \$500K*
 - Jordan Maintenance Bldg. \$300K*
 - McCullin Hall \$850K*
 - The Halls (Old Young Hall) \$750K*
 - Hunter Hall \$375K*
 - Atwood Hall \$750K*

RATIONALE: Building's structure, interior components and finishes are compromised.

- 2. Environmental, Health & Safety Repairs & Upgrades** **\$ 1,591,000**
- Fire pump replacement ASB \$55K*
 - Jackson Hall fire panel replacement - \$7K*
 - Emergency eye wash stations upgrades \$5K*
 - Sprinkler systems deficiencies/repairs \$10K*
 - Bradford Hall chair lift upgrade \$10K*
 - COOP Bldg HVAC controller replacement \$15K*
 - Access - sidewalk repairs & replacement, handrails, building entries, toilets w/ADA compliant features \$250K*
 - Elevator emergency telephones repair & upgrades \$150K*
 - Fall protection/roof anchors on 8 buildings & railings a hatches \$40K*
 - Replace Uninterruptible Power Supply – multiple buildings \$125K*
 - Water heater in WM Young – replace \$12K*
 - Mold remediation – Kentucky Hall basement \$12K*
 - Exum dry sprinkler pipe repair/replacement \$50K*
 - Coal ash disposal sites capping \$75K*
 - New wireless cards for fire panel dialers \$25K*
 - Elevators repair and replacements \$750K*

RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors as well as fire protection aspects of the buildings.

- 3. Building and Utilities Tunnels Hot/Chilled Water Piping Replacements** **\$ 2,250,000**
- Tunnels – Misc. Locations \$400K*
 - Betty White \$300K*
 - McCullin Hall \$500K*

The Halls \$600K
Bradford Hall \$450K

RATIONALE: Work addresses the functionality of the heating and cooling components and system for continued use of the buildings.

- | | |
|--|---------------------|
| 4. Site Work/Grounds/Parking Repairs | \$1,000,000 |
| <i>North Campus parking lot repairs</i> | |
| <i>North Campus street repairs</i> | |
| <i>South Campus parking lot repairs</i> | |
| <i>South Campus additional site lighting</i> | |
| <i>Campus wide parking/directional/control signage</i> | |
| <i>Construct parking for new residence hall - \$500,000</i> | |
| <u>RATIONALE: Work addresses safety and access issues.</u> | |
| 5. Residence Hall Interior Renewal Work | \$4,600,000 |
| <i>Flooring – replace carpet w/vinyl</i> | |
| <i>Paint All Dorms: walls, doors, frames, misc.</i> | |
| <i>Renovate common toilet/shower rooms - new tile, etc.</i> | |
| <u>RATIONALE: Work addresses health, safety and wellbeing of staff, students.</u> | |
| 6. HVAC Systems Repairs, Upgrades & Replacements
(Indoor Air Quality Needs) | \$11,853,000 |
| <i>Automated Controls Replacement/Integration</i> | |
| <i>Make up air systems</i> | |
| <i>Fan coil unit replacements</i> | |
| <i>Unit ventilator replacements</i> | |
| <i>HVAC renovations</i> | |
| <i>Reheat valve replacement</i> | |
| <i>Coil replacements</i> | |
| <u>RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.</u> | |
| 7. Building Envelope Improvements | \$7,500,000 |
| <i>Window replacements</i> | |
| <i>Brick sealants, caulking & waterproofing</i> | |
| <i>Foundation waterproofing</i> | |
| <i>Synthetic plaster repairs/replacement</i> | |
| <u>RATIONALE: Building's structure, interior components and finishes are compromised.</u> | |
| 8. Bell Gym Renovation (Interior & Exterior) | \$3,000,000 |
| <i>33,000 sf</i> | |
| <u>RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.</u> | |
| 9. Exum Center Renovation (Interior & Exterior) | \$6,500,000 |
| <i>127,942 sf- Pool, Bleachers, lower floor, first floor, offices, classrooms, locker rooms, gym, etc.</i> | |
| <u>RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.</u> | |
| 10. Bradford Hall Renovation (Interior) | \$5,000,000 |
| <u>RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.</u> | |

TOTAL **\$ 49,794,000**

July 6, 2022

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

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
1 HVAC/Electrical Project	Camden-Carroll Library	\$1,450,000
2 HVAC	Lappin Hall	250,000
3 HVAC	Fields Hall	210,000
4 HVAC	Mays Hall	200,000
5 HVAC	West Mignon Hall	120,000
6 HVAC	Kentucky Folk Art Center	40,000
7 HVAC	East Mignon Hall	100,000
8 HVAC	Normal Hall	50,000
9 HVAC	Howell McDowell	300,000
10 HVAC	Rader Hall	300,000
11 HVAC	Claypool Young	300,000
12 HVAC	Ginger Hall	300,000
13 Elevator	Cartmell Hall	559,000
14 HVAC Automation	Campus wide Building Automation System	400,000
15 Fire Alarm System	Various Campus Buildings	132,000
16 Modernization/Renovation	Cooper Hall	8,000,000
17 Roof	Nunn Hall	400,000
18 Roof	Enrollment Services (ALRD)	300,000
19 Roof	Camden-Carroll Library	400,000
20 Roof	Academic-Athletic Center	700,000
21 Roof	Mignon Tower	500,000
22 Water Treat. Plant Sed. Basin Design	Campus wide water treatment	113,040
23 Roof, HVAC, Drainage, other repairs	Allie Young	2,500,000
24 Windows, HVAC, other repairs	Enrollment Services (ALRD)	1,500,000
To be determined		<u>1,128,610</u>
		\$20,252,650

Rationale: Campus leaders identified these projects as timely and of high importance. Projects 1-14 address health and comfort needs of students and staff (HVAC and Mechanical related), Projects 15 and 22 address life/safety issues, Projects 17 - 21 address water infiltration and roof replacement needs and projects 16, 23 and 24 consist of renovating and modernizing buildings in need of significant repairs on campus.

July 6, 2022

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

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>Project</u>	<u>Estimate</u>
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.	\$16,823,000
2. Renovate Mason Hall Labs/Classrooms/Systems - enhancements for School of Nursing & Health Professions	8,347,000
3. Curris Center (student union) deferred maintenance	4,460,000
4. Carr Hall HVAC upgrades and deferred maintenance	1,730,000
5. Racer Arena heating replacement and addition of air conditioning	1,120,000
6. Waterfield HVAC phase II air handler replacements	560,000
7. CFSB Center cooling tower replacements	<u>650,000</u>
Total	\$33,690,000

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 and 7 are badly needed replacements of heating and cooling systems and the peripheral work that goes with such a project.

July 6, 2022

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

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
1	Floor Heaving Repair	\$ 6,200,000	U	Life Safety/High Risk
2	Fire Alarm Modernization	200,000	U	Age/Poor Condition
3	Fire Alarm Modernization	220,000	U	Age/Condition
4	Replace Norse Commons Rooftop HVAC Units	350,000	U	Poor Condition
5	Boiler (2) Controls Upgrade	380,000	U	Urgent/High Risk
6	Floor Heaving/Foundation Leak Repair	3,700,000	U	Life Safety/High Risk
7	Plumbing Infrastructure and Restroom Renovation	1,400,000	U	Poor Condition
8	Freight Elevator Modernization	380,000	N	Age/Condition
9	Refurbish Interior / Both LA Stairwells, Incl. Heat	345,000	N	Poor Condition
10	Maintenance Bldg / Replace HVAC Rooftop Units	175,000	U	Age/Condition
11	Replace Rusted Street Light Poles Phase I	550,000	U & N	Structural/High Risk
12	Smoke Vent Repair	150,000	U	Condition/Asset Pres
13	Maintenance Bldg / Restore Roof	540,000	U	Condition/Asset Pres
14	Underground Water Line Valve Replacements	225,000	N	Non-Function/High Risk
15	HVAC System - Upgrade Return System	450,000	N	Age/Condition
16	Replace/Install New Exterior Railings, Univ. Suites	45,000	U	Life Safety/High Risk
17	Rebuild Cooling Towers (6)	545,000	U	Urgent/Age/Condition
18	Repair Water Leaks, Façade Repairs/Clean/Caulk Ph I	500,000	N	Structural/High Risk
20	Callahan Boiler #2 and 3 Replacement	225,000	U/N	Age/Condition
21	Concrete Sidewalk/Plaza Repairs	500,000	N	Condition/Asset Pres
22	Sewer Line Repairs	500,000	N	Age/Condition
23	Replace Wood Playing Floor	250,000	D	Age/Condition
24	Replace Bleachers	350,000	N	Age/Condition
25	Roadway Pavement Repairs Phase I	400,000	N	Condition/Asset Pres
26	Fine Arts Skylight Repairs	170,000	N	Age/Condition
27	Fire Alarm Cable Assessment & Upgrades	200,000	N	Age/Condition
28	Replace Flooring	150,000	N	Age/Condition
29	Signage Replacement	30,000	N	Age/Condition
30	Misc. Deferred Maintenance Needs, TBD	400,000	N	Age/Condition
31	KY Hall/Commonwealth Hall Emergency Generator	225,000	N	Age/Condition
32	Emergency Generator	175,000	N	Age/Condition
33	Emergency Generator	320,000	N	Age/Condition
34	Replace Switchgear	525,000	N	Age/Condition
35	Replace Switchgear	330,000	N	Age/Condition
36	Plumbing Infrastructure and Restroom Renovation	1,750,000	N	Poor Condition
37	Floor Heaving Repair	2,300,000	U	Life Safety/High Risk
38	Plumbing Infrastructure and Restroom Renovation	1,650,000	U	Poor Condition
39	Restore Roof	540,000	N	Condition/Asset Pres
40	HVAC System Replacement	6,900,000	N	Age/Condition

41	Fire Alarm Modernization	140,000	N	Age/Condition
42	Water Heater Replacement	25,000	N	Age/Condition
43	Fire Alarm Modernization	90,000	N	Age/Condition
44	Elevator Modernization (Orig Passenger Elev.)	350,000	N	Age/Condition
45	Restore Roof	2,500,000	N	Age/Condition
46	Roadway Pavement Repairs Phase II	400,000	N	Condition/Asset Pres
47	Replace Flooring	150,000	N	Age/Condition
48	Misc. Deferred Maintenance Needs, TBD	400,000	N	Age/Condition
49	HVAC System Replacement	5,900,000	N	Age/Condition
50	Upgrade Elevators	340,000	N	Age/Condition
51	HVAC System Replacement	3,700,000	N	Age/Condition
52	Replace 1,800' Steel Gas Lines	2,200,000	N	Condition/Asset Pres
53	Replace Switchgear	450,000	N	Age/Condition
54	Restore Roof	790,000	N	Condition/Asset Pres
55	Replace Flooring	100,000	N	Age/Condition
56	Misc. Deferred Maintenance Needs, TBD	400,000	N	Age/Condition

\$ 52,180,000

RATINGS

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	<u>10,212,000</u>
Total	\$78,292,000

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
Academic Complex	Window Refurbishment/Waterproofing	Building Envelope Preservation	\$500,000
Brown Agricultural Center	Refurbish, clean, and upgrade controls of AHUs (6)	Indoor Air Quality (HVAC)	75,000
CAM E&G	Steam Repairs (reliability)	Indoor Air Quality (HVAC)	3,000,000
CAM E&G	Outdoor Lighting LED Conversion (Safety)	Life Safety	1,500,000
CAM E&G	High Voltage Distribution System	Life Safety	6,000,000
CAM E&G	Sanitary Sewer System	Infrastructure Reliability	1,500,000
CAM E&G	Domestic Water System	Infrastructure Reliability	600,000
CAM E&G	Fiber Optic Cabling System	Infrastructure Reliability	2,000,000
CAM E&G	Building Automation System Upgrades	Indoor Air Quality (HVAC)	2,000,000
CAM E&G	Natural Gas Systems	Infrastructure Reliability	500,000
CAM E&G	Storm Water System	Infrastructure Reliability	1,000,000
Cravens Graduate Center	Generator Replacement (reliability)	Life Safety	75,000
Cravens Graduate Center	Screen Wall Replacement	Building Envelope Preservation	100,000
Cravens Graduate Center	AHU 3/4 Replacement (IAQ)	Indoor Air Quality (HVAC)	1,000,000
Cravens Graduate Center	Window Wall repair	Building Envelope Preservation	75,000
Cherry Hall	HVAC AHU Replacement (IAQ)	Indoor Air Quality (HVAC)	750,000
Cherry Hall	HVAC Chiller Replacement (Comfort)	Indoor Air Quality (HVAC)	375,000
Cherry Hall	Coping Replacement	Building Envelope Preservation	240,000
Cherry Hall	Cornice Reseal	Building Envelope Preservation	55,000
Cherry Hall	Cupola inspection/scaffolding	Building Envelope Preservation	130,000
Cherry Hall	Roof coating/warranty extension	Building Envelope Preservation	170,000
Cherry Hall	Bathroom Refurbishment	Interior Modernization	2,000,000
Cherry Hall	LED Modifications	Interior Modernization	500,000
Cherry Hall	Soft Cost (Design)	Interior Modernization	3,000,000
Cherry Hall	Electrical/Mechanical refurbishment	Life Safety	3,000,000
Cherry Hall	Window Refurbishment/Waterproofing	Building Envelope Preservation	400,000
Cherry Hall	Generator Replacement	Life Safety	75,000
Cherry Hall	Elevator conversion/refurbishment	Life Safety	250,000
Cherry Hall	Electric Reheat installation (IAQ)	Indoor Air Quality (HVAC)	350,000
Cherry Hall	Design Assesment and Construction	Interior Modernization	15,000,000
Central Heat Plant	Feedpump replacement/Repair (reliability)	Indoor Air Quality (HVAC)	325,000
College High Hall	Thru Wall HVAC replacement	Indoor Air Quality (HVAC)	350,000
Collonade	Refurbishment/Restoration	Building Envelope Preservation	750,000

E&G Building	Asset Preservation Action	Rationale	Estimate
CRD	Roof refurbishment	Building Envelope Preservation	5,200,000
CRD	Overall Facility Renewal	Interior Modernization	2,000,000
Engineering & Biological Sciences	Roof coating/warranty extension	Building Envelope Preservation	350,000
Engineering & Biological Sciences	Phoenix Valve Replacement (IAQ)	Indoor Air Quality (HVAC)	300,000
Engineering & Biological Sciences	VAV Upgrade (IAQ)	Indoor Air Quality (HVAC)	190,000
Engineering & Biological Sciences	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	80,000
Environmental Science & Technology	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	130,000
Environmental Science & Technology	Chiller Renewal - 200 Ton (IAQ)	Indoor Air Quality (HVAC)	400,000
Environmental Science & Technology	Chiller Renewal - 200 Ton (IAQ)	Indoor Air Quality (HVAC)	400,000
Environmental Science & Technology	Upgrade of VAV unit Controllers (IAQ)	Indoor Air Quality (HVAC)	190,000
Environmental Science & Technology	Upgrade of Phoenix unit Controllers (IAQ)	Indoor Air Quality (HVAC)	280,000
Environmental Science & Technology	Rooftop safety	Life Safety	10,000
Environmental Science & Technology	Soft refurbishment (Lights/paint/flooring)	Interior Modernization	1,500,000
Environmental Science & Technology	Elevator conversion/refurbishment	Life Safety	250,000
Environmental Science & Technology	Air Handling Unit #1 replacement	Indoor Air Quality (HVAC)	250,000
Fine Arts Center	Rooftop safety	Life Safety	10,000
Fine Arts Center	Roof Replacement (lower sections/hole)	Building Envelope Preservation	350,000
Fine Arts Center	Elevator Car conversion/refurbishment	Life Safety	350,000
Fine Arts Center	4 Pipe Conversion (completion)	Indoor Air Quality (HVAC)	500,000
Fine Arts Center	RM Theater Lighting Modifications	Interior Modernization	75,000
Fine Arts Center	Thru Wall HVAC replacement (IAQ)	Indoor Air Quality (HVAC)	400,000
Faculty House	External refurbishment (chinking)/Roof replacement	Building Envelope Preservation	100,000
Gary Ransdell Hall	Natural Gas Line Replacement	Infrastructure Reliability	50,000
Grise Hall	Rooftop safety	Life Safety	25,000
Grise Hall	Duct Cleaning (IAQ)	Indoor Air Quality (HVAC)	200,000
Grise Hall*	Chiller Renewal (IAQ)	Indoor Air Quality (HVAC)	410,000
Grise Hall*	Electrical Repair - Switchgear	Infrastructure Reliability	1,600,000
Gordon Wilson Hall	Elevator Installation `(ADA Access to upper floors)	Life Safety	3,000,000
Industrial Education Building	Roof Improvements (In-Process)	Building Envelope Preservation	250,000
Industrial Education Building	External stone repair - replace spalled stones and improper stone repairs.	Building Envelope Preservation	150,000
Industrial Education Building	Carpet replacement (its bad)	Interior Modernization	50,000
Industrial Education Building	Chiller Replacement	Indoor Air Quality (HVAC)	300,000
Industrial Education Building	Storm Drain Refurbishment	Infrastructure Reliability	25,000
Industrial Education Building	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	75,000
Jody Richards	Roof Coating	Building Envelope Preservation	1,000,000
Jody Richards Hall (MMTH)	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	150,000
Knically Conference Center	Rooftop safety	Life Safety	10,000
Kentucky Building	Rooftop safety	Life Safety	25,000
Kentucky Building	Envelope/Plaster Repairs	Building Envelope Preservation	450,000
Kentucky Building	Roof Coating/Warranty Extension	Building Envelope Preservation	250,000
LOG Cabins	External Repairs	Building Envelope Preservation	25,000
Preston Center	Main disconnect replacement	Infrastructure Reliability	100,000
Hardin Planatarium	HVAC Installation (remove from KTH)	Indoor Air Quality (HVAC)	300,000
Potter Hall	Air Make-up units Replacement (7) (IAQ)	Indoor Air Quality (HVAC)	875,000
Potter Hall	Rooftop safety	Life Safety	50,000
Potter Hall	4 Pipe Conversion (thru wall conversion?) (IAQ)	Indoor Air Quality (HVAC)	1,000,000
Preston Center	Rooftop safety	Life Safety	30,000
Smith Stadium	Rooftop safety	Life Safety	35,000
Snell Hall	Rooftop safety	Life Safety	35,000
South Campus	Elimination of Pneumatics (IAQ)	Indoor Air Quality (HVAC)	150,000

E&G Building	Asset Preservation Action	Rationale	Estimate
South Campus	Roof refurbishment	Building Envelope Preservation	680,000
South Campus	Chiller Replacement (IAQ)	Indoor Air Quality (HVAC)	400,000
South Campus	Academic Wing roof Coating	Building Envelope Preservation	570,000
Service Supply Building	Freight Elevator Replacement (old and not reliable)	Life Safety	500,000
Various Locations	BACNET from N2 Conversion Critical Systems	Indoor Air Quality (HVAC)	1,400,000
Various Locations	BACNET from N2 Conversion Non-Critical Systems	Indoor Air Quality (HVAC)	1,500,000
Van Meter Hall	Rooftop safety	Life Safety	40,000
Van Meter Hall	Plaster repair (water damage)	Interior Modernization	75,000
Wetherby Administration Building	4 Pipe Conversion (true 4 pipe)	Indoor Air Quality (HVAC)	250,000
Wetherby Administration Building	Porch rip/replace (water intrusion)	Building Envelope Preservation	25,000
Wetherby Administration Building	Chiller Replacement (IAQ)	Indoor Air Quality (HVAC)	500,000
			\$77,520,000

July 6, 2022

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

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

Project Detail

PROJECT TITLE	Estimate
Renovate and/or Construct Transportation Training Center - Ashland CTC	\$5,900,000
Renovate Main Building Phase II - Ashland CTC	34,000,000
Roof Replacements - Ashland CTC	2,200,000
Roof Replacements - Big Sandy CTC	3,200,000
Renovate Administration Building - Bluegrass CTC	9,700,000
Renovate Science Building Labs - Elizabethtown CTC	6,400,000
Student Center Roof - Elizabethtown CTC	237,820
Site Development Improvements - Elizabethtown CTC	999,000
Parking Lot Paving Main Campus - Elizabethtown CTC	999,000
Roof Replacements - Gateway CTC	4,000,000
Mechanical Equipment and Controls - Gateway CTC	400,000
Renovate Jolly Classroom Center - Hazard CTC	6,300,000
HVAC Upgrades - Hazard CTC	4,700,000
Slide Remediation - Hazard CTC	1,000,000
Student Center Relocation & Demolition - Henderson CC	1,000,000
Administration -Replace Doors and Windows - Henderson CC	600,000
Building Controls/Energy Mgt - Henderson CC	1,000,000
Renovate Academic Building - Hopkinsville CC	13,900,000
HVAC Upgrade Academic Building - Hopkinsville CC	3,500,000
Renovate and/or Replace Hartford Building Phase I - Jefferson CTC	22,500,000
Renovate Science Labs - Jefferson CTC	3,000,000
Renovate Technical Campus - Madisonville CC	3,400,000
Renovate Aviation - Madisonville CC	1,700,000
Glema Mahr Roof - Madisonville CC	1,500,000
Roof Replacements - Maysville CTC	1,300,000
Parking Lot Repairs - Maysville Campus - Maysville CTC	2,800,000

Window Leaks - Maysville CTC	1,230,000
Upgrade Fire Alarms - Maysville CTC	1,500,000
Replace HVAC System Phase I - Main Campus - Owensboro CTC	4,100,000
Exterior Repairs - Owensboro CTC	497,000
Upgrade Life and Fire Safety - Owensboro CTC	2,400,000
Renovate Laurel South Campus Phase I - Somerset CC	6,000,000
Life Safety Upgrades - Somerset CC	4,300,000
Upgrade HVAC South Campus - Somerset CC	2,300,000
ADA Upgrades - Somerset CC	1,600,000
Replace Windows & Doors - Somerset CC	1,200,000
Valley Oak Renovation - Somerset CC	1,000,000
Renovate Main Campus Buildings - Southcentral CTC	10,000,000
Roof Replacements - Southeast KY CTC	1,500,000
Mechanical Equipment Upgrades - Southeast KY CTC	2,000,000
Renovate Pineville Campus - Southeast KY CTC	3,500,000
Renovate Main Campus Buildings - West KY CTC	5,000,000
Renovate Parking Lot and Sidewalks - West KY CTC	3,400,000
Fire Alarm Upgrades Group 1 - KCTCS	999,000
Fire Alarm Upgrades Group 2 - KCTCS	999,000

\$189,760,820