

APPENDIX D

FY2022-23 MAINTENANCE REPAIR AND RENOVATION PROJECTS

DRAFT for Nov 2022 BOG

R&R Allocation: \$60M

	Project Total per S.L. 2021-180	FY21-22 \$60M	FY22-23 \$60M
APPALACHIAN STATE UNIVERSITY		\$3,198,431	\$3,290,398
Walker Hall HVAC Repair & Upgrades	\$500,000	\$500,000	
Walker Hall Envelope & Structural Repair	\$1,300,000		\$1,300,000
Campus-Wide Electronic Door Access Installation	\$1,500,000	\$1,500,000	
Chapell Wilson Gutter/Soffit/Roof Replacement	\$600,000		\$600,000
Smith Wright Hall Roof Repair & Replacement	\$1,000,000		\$1,000,000
Holmes Convocation Center Chiller	\$200,000	\$200,000	
BB Dougherty Chiller Repair	\$100,000	\$100,000	
Facilities Operations/Motorpool Wall Repairs	\$300,000		\$300,000
John E. Thomas Chiller Compressor Upgrades	\$250,000		
Anne Belk Hall Hot Water Piping Replacement	\$500,000	\$500,000	
Edwin Duncan Hall HVAC & Lighting Improvements	\$800,000		
John E. Thomas Envelope	\$300,000		
Howard Street Hall Road Opening	\$200,000		
Holmes Convocation Center VAV Replacement	\$150,000	\$150,000	
Peacock Elevator Upgrade	\$200,000	\$200,000	
University Hall Sprinkler System	\$250,000		
<i>2021-22 Cost Escalation and Contingency Reserve</i>		\$48,431	
2022-23 Cost Escalation and Contingency Reserve			\$90,398
Total	\$8,150,000	\$3,198,431	\$3,290,398
EAST CAROLINA UNIVERSITY		\$5,024,712	\$4,988,435
Brody Building Freight Elevators-Emergency Power	\$250,000		
Science & Technology-Replace Roof	\$400,000		
Old Cafeteria Building-Install Steam Manhole & Replace Piping	\$300,000	\$300,000	\$100,000
Health Science Campus Catwalks/Central Utility Plant	\$225,000	\$225,000	
Warren Life Sciences-Replace Roof-Section B	\$300,000	\$375,000	\$25,000
Health Science Campus Central Utility Plant Transformers 1 & 2	\$404,000		
Bate Upgrade Elevators (2)	\$350,000	\$350,000	
Rivers-Replace Roof (complete roof replacement)	\$300,000		\$1,500,000
Christenbury-Replace Roof	\$410,000	\$410,000	
Brody Building Envelope Infiltration Repairs, Phase 1*	\$1,500,000	\$1,200,000	
Brody Chilled Water Loop Valve Replacement	\$100,000	\$100,000	
Jenkins Art North Building Envelope Repairs	\$1,750,000	\$1,750,000	\$200,000
McGinnis Scene Shop-Replace Roof	\$100,000		\$200,000
Brody-Inline Fan Replacement, Phase 1	\$200,000		
Jenkins Art-Replace Distribution Sub Panels, Westside Jenkins Art	\$225,000		
Messick-Upgrade/Replace Elevator	\$150,000		\$300,000
Building 127-Upgrade/Replace Elevator	\$150,000		\$300,000
Coastal Studies Annex-Repair & Coat Siding & Roofing	\$100,000		
School of Dental Medicine/Comm. Svc. Learning Ctrs. Upgrades (HVAC & Indoor Air Quality)	\$203,000		
Main Campus Steam Plant-Install Steam Blanket for Boilers	\$100,000		
McGinnis Auditorium-Upgrade/Replace Elevator	\$300,000		\$300,000
Brewster-HVAC Controls Optimization/D Wing	\$400,000		
Greenville Centre-HVAC Controls Upgrade	\$300,000		
Central Chiller Plant w/Controls Upgrade	\$300,000		
Old Cafeteria Building Controls Upgrade (Specific Direct Digital Control)	\$300,000		
Carol Belk Building-HVAC System (Specific Variable Air Volume Integration)	\$300,000		
Rivers Building-HVAC System (Specific Variable Air Volume)	\$300,000		
Austin Building-Air Handlers Replacement	\$1,500,000		
Warren Life Sciences-Extend Sprinkler System to Original Section	\$181,000		\$280,000
Building 43-Upgrade Freight Elevator/Replace Shaft and Jack	\$230,000		
Main Campus-Replace Power Distribution System Steam Plant	\$250,000		
Biotechnology Building-Upgrade Laboratory Exhaust System	\$452,000		\$700,000
Biotechnology Building-Replace Exhaust Fans	\$130,134		
Repair & Repave Service Drive at West End Dining/Behind White Residence Hall	\$150,000		
Wright Building/Wright Auditorium-Fire Alarm System Upgrade	\$300,000	\$300,000	\$175,000
Old Cafeteria & Ragsdale Annex-Replace Roof	\$240,000		\$240,000
Brody School of Medicine-Replace Computer Room Air Conditioning Units	\$200,000		\$50,000
Cotanche Data Center - Renovation to Improve Fire Protection System in Data Rooms (Specific FM 200)	\$210,000		
Jenkins Art Gray Galler AHU-4 Replacement			\$260,000
Old Café Cashier's Office HVAC System Replacement			\$150,000
Joyner Library AHU-1 Replacement (Legal Records)			\$90,000
<i>2021-22 Cost Escalation and Contingency Reserve</i>		\$14,712	
2022-23 Cost Escalation and Contingency Reserve			\$118,435
Total	\$13,560,134	\$5,024,712	\$4,988,435
ELIZABETH CITY STATE UNIVERSITY		\$2,000,000	\$2,000,000
Underground Infrastructure-(Replace all campus plumbing gate valves/infrastructure for fire pump)**	\$150,000		
Underground Infrastructure-(Replace 6-in. with 8-in. line to improve water volume/Campus North)**	\$300,000		
Jenkins Hall, Phase 2-Renovation of Laboratory and Classroom	\$400,000	\$400,000	
Vaughn Center-Repair Student Phys. Ed. Learning Spaces-(Pool, flooring, ceilings & building envelope)	\$550,000		
Fine Arts-Roof Replacement*	\$200,000	\$50,000	

APPENDIX D

FY2022-23 MAINTENANCE REPAIR AND RENOVATION PROJECTS

DRAFT for Nov 2022 BOG

R&R Allocation: \$60M

	Project Total per S.L. 2021-180	FY21-22 \$60M	FY22-23 \$60M
Dixon Hall—Classroom & Laboratory Renovations*	\$400,000	\$100,000	
ITC—Air Handler Replacement	\$300,000		\$300,000
Lester Hall—Demolition**	\$495,000		
Jenkins Hall, Phase 3 - Renovation of Laboratory and Classrooms		\$300,000	
Dixon Hall Boiler Replacement and related controls		\$150,000	
Moore Hall Roof Replacement		\$200,000	\$300,000
HVAC System Repairs Jenkins Science and Williams Hall		\$800,000	\$350,000
Campus-Wide HVAC, Electrical, and Plumbing Repairs (Thomas Jenkins, IT Center, Vaughan, GR Little, Thorpe, KE White, Williams Hall, Trigg Hall, STEM, New Student Center, and Fine Arts)			\$374,000
Campus-Wide Fire Safety Repairs (STEM, Jenkins Science, Vaughan Center, and Fine Arts)			\$188,000
Campus-Wide Erosion Control, Drainage, and Stabilization (Wetlands, Williams Hall, Outdoor Classroom)			\$338,000
2022-23 Cost Escalation and Contingency Reserve			\$150,000
Total	\$2,795,000	\$2,000,000	\$2,000,000
FAYETTEVILLE STATE UNIVERSITY		\$2,000,000	\$2,000,000
Barber/Collins Admin Complex—Roof Replacement	\$200,000	\$200,000	
Campus-Wide Exterior Lighting Retrofit	\$400,000	\$400,000	
Campus-Wide Brick Paver & Concrete Walk Repairs	\$500,000	\$500,000	
Telecom—Roof Replacement	\$150,000	\$150,000	
Butler—Roof Replacement	\$650,000	\$650,000	
Chesnutt—MEP (Generator)	\$400,000		
Telecom—MEP (Central Plant Tie, AHU, BAS, MDP, Generator)	\$750,000		\$750,000
University Advancement—MEP (AHU, Heat Pumps, BAS, MDP)	\$600,000		\$850,000
FM Complex—MEP (HVAC, MDP, Generator, Restrooms)	\$450,000		
Harris CBE—Precast Concrete Structural Repair	\$100,000		
Cook—Exterior Stairs & Patio Repairs	\$100,000		
J. Knuckles Science Annex—Roof Replacement	\$150,000		
2021-22 Cost Escalation and Contingency Reserve		\$100,000	
University Advancement—Interior Fit-out for Campus Police	\$600,000		\$400,000
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$4,450,000	\$2,000,000	\$2,000,000
NORTH CAROLINA A&T UNIVERSITY		\$3,117,066	\$3,126,685
General Classroom, B Side—Roof Repairs	\$1,241,107	\$1,241,107	
Boiler Replacement*	\$1,459,200	\$150,000	\$200,000
Hines Hall—HVAC Modifications*	\$300,000	\$150,000	
Waterproofing Buildings	\$600,000	\$600,000	
IRC Building—HVAC Repairs/Replacement	\$705,274	\$705,274	
Dudley—HVAC Repairs/Controls	\$403,305		
McNair Hall—HVAC Repairs	\$250,000		
Elevator Repairs/Replacement (adding elevator to Benbow Hall)	\$450,000		\$1,500,000
Campus-Wide Steam Leaks*	\$500,000	\$100,000	\$400,000
Building Steam System Repairs (convert Sgt. Mitchell St. line from Laurel St. to Benbow Dr.)	\$200,000	\$100,000	\$926,685
Moore Gym/Hodgin Hall/Fraiser Hall—Roof Repairs	\$1,000,000		
Price Hall/1020 Wendover/Hodgin Hall/Campbell Hall/C.H. Moore—Window Replacement	\$200,000		
1020 Wendover/Price/Corbett Sports Center/Campbell, & Carver—Asbestos Abatement	\$150,000		
Campus-Wide—Back Flow Preventors	\$300,000		
Beef Barn/Bull Barn/Calf Barn/Dairy Barn	\$100,000		
2021-22 Cost Escalation and Contingency Reserve		\$70,685	
2022-23 Cost Escalation and Contingency Reserve			\$100,000
Total	\$7,858,886	\$3,117,066	\$3,126,685
NORTH CAROLINA CENTRAL UNIVERSITY		\$2,147,192	\$2,158,775
B.N. Duke Auditorium—Steam to Natural Gas Conversion	\$350,000	\$350,000	\$472,775
Art Museum—Roof Replacement	\$250,000	\$250,000	
Campus-Wide Steam System Repairs (Steam Traps, Valves, Leaks, Piping & Insulation Replacement, MHs)*	\$600,000	\$365,000	\$235,000
Robinson Science Building—Repair & Restore Brick Façade	\$300,000		
Hubbard Totton Building—Elevator Replacement	\$350,000	\$350,000	
Campus-Wide ADA Compliance Upgrades, Phase 2	\$100,000	\$100,000	
William Jones Building—HVAC Upgrades	\$450,000		
Walker PE Complex—Elevator Replacement	\$350,000		\$350,000
Sanitary Sewer System—(Locate/assess terra-cotta pipes; stop inflow and infiltration)	\$100,000	\$100,000	
Roof Gutters & Vent Repairs	\$310,000		\$310,000
Taylor Building—Repair & Restore Brick Façade	\$161,000		\$161,000
Water System—Re-route South and East Sides/Increase Capacity	\$135,000		
Campus-Wide Annual Flat Roof Diagnostics, Prev. Maint., & Leak Repairs	\$300,000	\$300,000	
Fire Alarm Systems Upgrades & Repairs	\$250,000	\$250,000	
Steam Plant—Roof Repair	\$40,000		
Asbestos/Mold Remediation & Contaminants Removal	\$300,000		\$100,000
Shepard Library—ITS/NOC/HVAC Upgrades	\$230,000		\$230,000
Fine Arts Building—Fire Alarm System Replacement	\$495,000		
Miller Morgan Building—VFDs Replacement	\$80,000	\$80,000	
B.N. Duke Auditorium—Repair & Restore Brick Façade	\$300,000		
Edmonds Building—Brick Façade Repair & ADA Access (Ease of Entry & Code Compliant Steps and Handrails)	\$245,300		

APPENDIX D

FY2022-23 MAINTENANCE REPAIR AND RENOVATION PROJECTS

DRAFT for Nov 2022 BOG

R&R Allocation: \$60M

	Project Total per S.L. 2021-180	FY21-22 \$60M	FY22-23 \$60M
2021-22 Cost Escalation and Contingency Reserve		\$2,192	
Mill Morgan Fire Alarm Replacement			\$300,000
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$5,696,300	\$2,147,192	\$2,158,775
NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS		\$2,000,000	\$2,000,000
Cafeteria Renovation*	\$2,500,000	\$2,000,000	
Elevators (Bryan 2 elevators)			\$900,000
Cooling Towers(Replace ETC tower, Demolish 2 Bryan towers)			\$200,000
Sidewalk Repair(Internal campus wide)			\$50,000
Water Heater (Royall)			\$75,000
Roof Repairs(Reynolds D)			\$100,000
Flooring Replacement- Watts(2nd & 3rd floors), ETC (2nd & 3rd floors)			\$500,000
Infrastructre Repair - Ornamental Fountain(pumps,controls,nozzels), ETC Pressure Washing)			\$75,000
Steamline Repairs(Campuswide)			\$100,000
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$2,500,000	\$2,000,000	\$2,000,000
NORTH CAROLINA STATE UNIVERSITY		\$9,842,614	\$9,862,207
Research Building III–HVAC Upgrades 1	\$900,000	\$3,562,500	
Original Campus–Domestic Water Line Repair Under RR Tracks	\$270,000	\$400,000	
Scott Hall Labs–Renovation	\$2,500,000		\$3,800,000
Brooks Hall–Renovation, Phase 1	\$1,500,000	\$1,875,000	
Mann Hall–Electrical Upgrades	\$950,000		\$1,500,000
Thomas Hall Labs–Renovation	\$1,000,000		\$1,500,000
CVM Equine AHU Replacement	\$300,000		
McKimmon–ADA Improvements/Restrooms	\$500,000	\$625,000	
Morrill Drive Domestic Water Line Replacement ²	\$661,000	\$1,817,614	
Nelson, Park Alumni, Beef Ed. Unit, Schaub, CVM Research–Fire Alarm Panel Replacement	\$250,000	\$250,000	
Campus-Wide Domestic Water Line & Valve Replacement, Phase 2 ²	\$650,000		
Don Ellis, Brooks–BAS Controls Upgrade, Phase 1	\$100,000	\$125,000	
Campus-Wide Asbestos Removal Steam System	\$650,000		
Caldwell Hall–Pointing & Caulking	\$100,000		\$700,000
Research Building I–AHU Replacement ¹	\$850,000		
Research Building IV–HVAC Upgrades ¹	\$1,100,000		
Centennial Campus–Repair Steam Leaks	\$550,000	\$687,500	
CVM Main–Fire Alarm Upgrade, Phase 3	\$400,000		
Mann Hall–Fire Sprinkler System	\$500,000		\$750,000
Campus Steam Leak Repair–MH13	\$200,000		
Gardner Labs–Renovation	\$480,000		
Textiles–COT Pod 2, South Side Foundation Waterproofing	\$350,000		
Campus Cooling Tower Refurbish at CBC	\$250,000	\$312,500	
Biltmore–Code Deficiencies	\$2,000,000		
Campus Upgrade Sanitary/Storm Water System, Phase 1	\$844,000		\$1,500,000
Campus Chilled Water System Improvements	\$575,000		
Kilgore–Foundation Waterproofing	\$350,000		
Cox–Pointing & Caulking	\$300,000		
Tompkins Hall–Above-Grade Waterproofing/Pointing	\$200,000		
Yarborough–Chiller Controls Upgrade	\$146,000		
Campus Sewer Line Replacement/Court of NC	\$175,000		
2021-22 Cost Escalation and Contingency Reserve		\$187,500	
2022-23 Cost Escalation and Contingency Reserve			\$112,207
Total	\$19,601,000	\$9,842,614	\$9,862,207
UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE		\$2,000,000	\$2,000,000
Campus-Wide–Arc Flash Compliance, Phase II	\$150,000	\$150,000	
Replace & Upgrade Fueling Station/Compliant Storage Tanks & System (FCAP #31053)	\$150,000		
Replace Pedestrian Paths/Main Quad to Owen Hall	\$250,000		
Replace Walkways in Tennent Park/ADA Accessible Path to Main Quadrangle/Carmichael Hall	\$250,000	\$250,000	
Repair Concrete at Carmichael Plaza & Walk Along Ramsey/Tennent Park	\$200,000	\$200,000	
Reuter Center–Replace BAS; Add VFD to AHU (FCAP #31131)	\$150,000		
Reuter Center/Riverside Warehouse–Roof Replacements (FCAP #14433)	\$475,000	\$475,000	
Rework Intersection at Edgewood & University Heights	\$250,000		
Utility Location Survey/Installation of Underground Utility Markers*	\$200,000	\$100,000	\$100,000
Zageir Hall–Replace Machinery w/new HE Models (FCAP #31124)	\$225,000		\$225,000
Underground Waterline Repairs–(Replace Domestic Waterline/Valves & Assoc. Work)	\$506,000	\$506,000	
Campus-Wide–Implement Interoperable Communications/911 Commission	\$250,000		\$250,000
Campus-Wide–Install Sub-Metering in all Buildings: Gas, Electric, Domestic Hot Water, Rain Water Systems, &	\$150,000		
Replace Sidewalks at Zageir Hall	\$150,000		
Weizenblatt Hall–Replace Low Slope Roof w/New Membrane Roof	\$175,000		\$175,000
118 W.T. Weaver–HVAC Replacement (Replace Major HVAC Equip./Update Controls)	\$518,974		\$518,974
Campus-Wide–Replace Deteriorated/Rusted Handrails w/Aluminum	\$250,000		
Ramsey Library Emergency Generator Replacement		\$95,000	
Weizenblatt & Sherrill Center Fire Panel Upgrades		\$22,000	

APPENDIX D

FY2022-23 MAINTENANCE REPAIR AND RENOVATION PROJECTS

DRAFT for Nov 2022 BOG

R&R Allocation: \$60M

	Project Total per S.L. 2021-180	FY21-22 \$60M	FY22-23 \$60M
<i>Phillips Hall Exterior Lighting Replacement Asbestos Abatement, Door Reinstallation, FCU Condensate Line Repairs</i>		\$22,000	
<i>Whitesides Hall Heat Pump Replacement</i>		\$11,000	
<i>Zageir Multistack Heat Exchanger Replacement</i>		\$10,000	
<i>Zeis Hall Demumidification Filter Membrane Replacement</i>		\$9,000	
<i>Rhoades-Robinson Hall Heat Harvestor Compressor Replacement</i>		\$6,500	
<i>Ramsey Library Replace carpet and stair nosing on main staircase</i>		\$32,500	
<i>Sam Millar Overhead Door Repairs</i>		\$6,000	
Sherrill Center Boiler Replacement		\$100,000	\$101,026
<i>Kellogg Roof Repairs</i>		\$5,000	
Zeis Vista Switch Repair			\$50,000
Library Lane Vista Switch Replacement			\$320,000
Carol Belk Roof Replacement			\$250,000
Zeis Hall Chiller Variable Speed Drive Repair			\$10,000
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$4,299,974	\$2,000,000	\$2,000,000
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL		\$8,151,456	\$8,007,341
462 Art Studio Bldg.—Steel Roof	\$219,772		
12 Carroll Hall—Replace Roofing/Built-Up Roof, Sector C	\$406,823	\$406,823	
209 First Dental—Replace Roofing/Slate Roof	\$565,120		
166 General Storeroom—Replace Roofing/Built-Up Roof, Sector 5	\$577,490		
625 ITS Building-Manning—Replace Roofing/Built-Up Roof	\$672,719		
27 Memorial Hall—Replace Barrel Roof	\$330,000	\$1,500,000	
226 Old Clinic—Replace Built-Up Roof	\$283,355		
5 South Building—Replace Metal Roof/Gutters & Install Fall Protection	\$927,239	\$927,239	
228 Brinkhous-Bullitt Building—Electrical Service & Distribution (Replace Main/Sub-Distribution)*	\$4,843,986	\$1,029,513	
12 Carroll Hall—Repair & Renovate Elevator #1618	\$746,929	\$746,929	\$149,386
12 Carroll Hall—Repair & Renovate Elevator #6442	\$464,850	\$464,850	\$92,970
41 Coastal Process Environmental Health Lab Building—System Cumulative Deficiencies	\$675,000	\$675,000	
13 Davie Hall—Replace Air Handling Unit 1A, 1st Floor, 1967 Bldg.	\$428,865	\$428,865	\$350,000
13 Davie Hall—Replace Air Handling Unit 1B, 1st Floor, 1967 Bldg.	\$169,045	\$169,045	\$150,000
3 Ackland Art Museum—Install Bldg. Automation System	\$236,625		
13 Davie Hall—Replace Air Handling Unit 1C, 1st Floor, 1967 Bldg.	\$225,461	\$225,461	\$200,000
14 Dey Hall—Repair & Renovate Elevator #4576	\$407,206	\$407,206	\$81,441
369 Friday Center—Replace Heating/Cooling Air Handling Units: AHU 01/Office, 1st Floor	\$255,456		
369 Friday Center—Replace Heating/Cooling Air Handling Units: AHU 02/Mail/Book Room, 1st Floor	\$272,402		
462 Art Studio Building—Install Fire Sprinkler System	\$326,540	\$326,540	\$81,635
211 Brauer Hall—Fire Alarm Systems: Replace Fire Alarm Initiating Devices & Control Panel	\$565,868		
13 Davie Hall-Fire Alarm Systems: Replace Fire Alarm Control Panel	\$135,985	\$135,985	\$200,000
498 Kenan Center -Fire Alarm Systems: Replace Initiating Devices & Control Panel	\$200,000	\$200,000	\$300,000
3 Ackland Art Museum—Air Handling Units: (AHU 2, Rear Galleries, Admin, 1983 Building)	\$419,748		
24 Wilson Library—Replace AHU 7 HVAC System*	\$5,086,299	\$508,000	
3 Ackland Art Museum—Replace Windows/Painted Wood Window	\$484,785		
328 Bingham Facility (Building 1)—Replace Roofing/EPDM Roof	\$225,560		
228 Brinkhous-Bullitt Building—Provide Roof Fall Protection	\$156,547		
229 Burnett-Womack Building—Provide Roof Fall Protection	\$138,419		
Alumni Hall, Jackson Hall, Tarrson Hall, Koury Oral Sciences-Envelope Repair			\$1,826,909
Brinkhous-Bullitt, Lineberger Cancer Center, Hamilton-Elevator Repairs			\$1,700,000
EHS Building Roof Replacement			\$625,000
Campus Life Safety Phase 2 - EMCS			\$1,800,000
Lineberger Cancer Center and Old Clinic-Fire Alarm Replacement			\$293,000
2022-23 Cost Escalation and Contingency Reserve			\$157,000
Total	\$20,448,094	\$8,151,456	\$8,007,341
UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE		\$4,162,870	\$4,201,421
Atkins—Roof	\$911,250		
Reese—Roof	\$226,100	\$226,100	
Reese—Fire Systems	\$773,500	\$773,500	\$126,500
Memorial Hall—Fire Systems	\$327,250	\$327,250	\$50,000
Duke—HVAC & Controls	\$654,500	\$654,500	\$100,000
Friday—Roof	\$1,011,000	\$1,011,000	
RUP-2—HVAC & Controls	\$416,500		\$481,500
King—Fire Systems & Abatement	\$729,000		
Fretwell—HVAC & Controls	\$1,574,009		\$1,824,009
Memorial Hall—Envelope	\$120,311		\$140,311
Memorial Hall—Roof	\$188,792		\$218,792
Reese—Envelope	\$995,269	\$995,269	\$150,000
King—Envelope	\$839,459		\$400,000
Grigg—HVAC & Controls	\$561,202		
Friday—Fire Systems	\$631,072		
Rowe—Elevators	\$156,334		\$181,334
Rowe—Electrical	\$154,042	\$154,042	\$25,000
Fretwell—Fire Systems	\$362,670		\$417,670

APPENDIX D

FY2022-23 MAINTENANCE REPAIR AND RENOVATION PROJECTS

DRAFT for Nov 2022 BOG

R&R Allocation: \$60M

	Project Total per S.L. 2021-180	FY21-22 \$60M	FY22-23 \$60M
<i>2021-22 Cost Escalation and Contingency Reserve</i>		\$21,209	
<i>2022-23 Cost Escalation and Contingency Reserve</i>			\$86,305
Total	\$10,632,260	\$4,162,870	\$4,201,421
UNIVERSITY OF NORTH CAROLING AT GREENSBORO		\$3,447,594	\$3,462,667
Petty Bldg.–Portico Waterproofing	\$712,031	\$712,031	
MHRA Building–Fire Alarm System Replacement	\$985,327		
Mossman Bldg.–Roof Replacement	\$773,128	\$648,271	\$601,729
Campus-Wide ADA Compliance–Restrooms/Entrances, etc.	\$400,000		\$250,000
UNCG State Building–Exterior Envelope Repairs	\$762,000		\$762,000
Cone Art Bldg.–Replace Gallery Lighting/Light Controls, Phases 2 & 3	\$861,750	\$861,750	
Replace Generator Diesel Fuel Tank	\$839,175		
Campus-Wide–Replace Property-Line Fences/Replace Underground Piping for Roof Drainage	\$230,000		
Sullivan Science Bldg.–Replace HVAC/Greenhouse	\$683,434	\$683,434	\$100,000
Campus-Wide–Pedestrian Crosswalks Repair & Upgrade	\$486,000		\$100,000
Armfield-Preyer/Visitor's Center–Exterior Renovation & Waterproofing	\$435,000	\$435,000	
Campus-Wide Walks and Hardscape Improvements	\$240,000		
Campus-Wide Asbestos & Lead Abatement	\$240,000		
Petty Bldg.–Replace EST QuickStart Fire Alarm System	\$400,000		
Sink Bldg./Maintenance Compound–Asphalt Replacement	\$140,000		
Coleman Bldg.–VCT Flooring Abatement & Replacement	\$250,000		\$250,000
996 Spring Garden/1605 Spring Garden/535 Tate Street/2900 Oakland Ave.–Fire Alarm Upgrade	\$250,000		
Cone Arts/Lecture Hall, Room 103–Seating, Flooring, Lighting, Other Upgrades	\$187,000		
<i>2021-22 Cost Escalation and Contingency Reserve</i>		\$107,108	
<i>Additional funding for Coleman Fire Alarm Replacement</i>			\$469,640
<i>Additional funding for Steam Distribution Replacement, Phase IV-B</i>			\$884,622
<i>2022-23 Cost Escalation and Contingency Reserve</i>			\$44,676
Total	\$8,874,845	\$3,447,594	\$3,462,667
UNIVERSITY OF NORTH CAROLINA PEMBROKE		\$2,103,128	\$2,060,329
Campus Gas Line Replacement	\$550,000		
Jones Pool–HVAC Replacement	\$1,300,000	\$1,300,000	
Livermoore & Jones–Generator	\$424,500		\$424,500
<i>Honors College–Renovation</i>	\$250,000		
Jones Auxiliary Gym/Dance Studio–Flooring/Studio Upgrades ³	\$625,000	\$338,000	
Education–Boiler Replacement	\$110,000		\$110,000
Chavis–Air Handlers	\$390,000		
Moore Hall & Chavis–Boiler Replacement	\$190,000		\$190,000
Lumbee Hall & Old Main–Elevator Replacement	\$465,000	\$465,000	
Jones/Livermore/Lumbee/Old Main–FACP Replacement	\$682,000		\$782,000
<i>Jones–Ceiling Repaint</i>	\$110,000		\$5,328
<i>2021-22 Cost Escalation and Contingency Reserve</i>		\$128	
<i>Mary Livermore Library Special Collections (Increase in funding)</i>			\$542,328
<i>2022-23 Cost Escalation and Contingency Reserve</i>			\$6,173
Total	\$5,096,500	\$2,103,128	\$2,060,329
UNC SCHOOL OF THE ARTS		\$2,000,000	\$2,000,000
Gray Building–New Electrical Service Main	\$256,000	\$256,000	
Design and Production/Workplace/Film Building 3–Life Safety Code Correction	\$134,000		\$134,000
Admin/Aquarius/Facilities/D&P Storage/WorkplaceWest V/Demille–Install Exit/Egress Lighting	\$115,000		\$115,000
Workplace–Renovate Drama Studios	\$448,000	\$448,000	
Drainage & Landscape Improvements/Common Area at Moore & Sanford	\$397,000		\$311,000
Workplace–Renovate Drama Administrative Offices	\$323,000	\$323,000	
Facilities Management–Install Shop Exhaust & Heating System	\$95,000		\$95,000
Gray Building–Remove Boilers	\$123,000		\$123,000
Film School, Buildings 1 & 2–Repair & Replace Windows	\$202,000	\$202,000	
Film Archives Building–A/C & Controls	\$485,000	\$485,000	
Performance Place, Film 2–Provide Heating/Cooling to Control Booth and Foley Booth	\$87,000		\$87,000
Gray Building–Modifications to Heating/Ventilation/AC System for Police	\$101,000		\$101,000
Film School–Paint Rooftop Components	\$81,000		\$81,000
Facilities Management–Resurface Drives/Vehicle Staging	\$75,000		\$75,000
Design & Production–Renovate Administrative/Faculty Offices	\$162,000		\$162,000
Design & Production–Mechanical System Retrocommissioning	\$134,000		\$134,000
Campus-Wide ADA/Misc. Improvements	\$39,000		\$39,000
Chapel St. Buildings–Roof Replacement	\$34,000		
300 Woughtown–Exterior Waterproofing & Repairs	\$73,000		\$73,000
Film School, Building 3–Theater Dimmers	\$232,000	\$232,000	
Hanes Student Commons–Motor Control Center	\$150,000		\$150,000
Commons Building–Upgrade Air Distribution & Controls	\$93,000		\$93,000
Commons–Partial Interior Renovation	\$75,000		\$75,000
Residence Halls A–F–Replace Floor Slabs, Sidewalks, & Stairs	\$118,000		\$118,000
<i>Improvements to meet ADA</i>		\$54,000	
<i>University Housing Repair</i>			\$34,000
<i>2022-23 Cost Escalation and Contingency Reserve</i>			\$0

APPENDIX D

FY2022-23 MAINTENANCE REPAIR AND RENOVATION PROJECTS

DRAFT for Nov 2022 BOG

R&R Allocation: \$60M

	Project Total per S.L. 2021-180	FY21-22 \$60M	FY22-23 \$60M
Total	\$4,032,000	\$2,000,000	\$2,000,000
UNIVERSITY OF NORTH CAROLINA WILMINGTON		\$2,949,049	\$2,958,745
West Side Energy Plant Modernization*	\$3,926,440	\$2,949,049	\$977,391
Wagoner/Hurst/Hamilton Roadways–Storm Water Refurbishment	\$2,500,000		\$1,361,354
Warehouse/Receiving–Replace Fire Alarm System	\$161,000		
Telecommunications–Replace Fire Alarm System	\$62,000		
Kenan Auditorium–Fire/Life Safety Improvements	\$75,000		
Isaac Bear Bldg.–Fire Sprinkler	\$410,000		
Alderman Hall–Replace Windows	\$280,000		\$620,000
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$7,414,440	\$2,949,049	\$2,958,745
WESTERN CAROLINA UNIVERSITY		\$2,355,889	\$2,382,997
HFR Building–Roof Replacement	\$660,000	\$660,000	\$1,000,000
Campus-Wide Fire Alarm System Upgrades*	\$300,000	\$150,000	\$150,000
Reid Building–Gym Floor Replacement	\$275,000	\$275,000	
Undersized Water Main Replacements/Non-Functioning Valves/Upgrade Lines*	\$3,000,000	\$1,000,000	
Facilities Management Building–Roof Replacement	\$193,000		
Highlands Biological Station–Structural Repairs	\$250,000		\$250,000
Ramsey Activities Center–Elevator Replacement	\$250,000	\$250,000	
HFR Building–Chiller Replacement	\$200,000		\$503,886
Old Student Union–Foundation & Exterior Repair	\$450,000		
Hunter Library–Cooling Tower Replacement	\$175,000		\$500,000
Campus-Wide Egress Lighting/Exit Light Replacement	\$100,000		
2021-22 Cost Escalation and Contingency Reserve (allocated to HFR Building–Chiller Replacement)		\$20,889	
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$5,853,000	\$2,355,889	\$2,403,886
WINSTON-SALEM STATE UNIVERSITY		\$2,000,000	\$2,000,000
Computer Science–Roof Repair	\$120,000	\$120,000	
Gaines Complex–Roof Replacement	\$660,000	\$160,000	\$500,000
Computer Science–Exterior Wall Repairs	\$110,000	\$110,000	
W.B. Atkinson–Exterior Wall Repairs	\$125,000	\$125,000	
Elva Jones Computer Science–HVAC Upgrades/BAS Controls Replacement	\$1,450,000		\$500,000
O’Kelly Library–Upgrade HVAC Make-Up Air System	\$375,000	\$375,000	
1600 Lowery St.–Add Fire Alarm System	\$125,000	\$125,000	
Campus-Wide Fire Alarm System Upgrades	\$750,000		\$750,000
R.J. Reynolds–Roof Replacement	\$205,000	\$205,000	
Coltrane Hall–Exterior Wall Repairs/Door & Window Replacement	\$275,000	\$275,000	
O’Kelly Library–Upgrade Electrical System	\$250,000		\$255,000
Coltrane Hall Roof Replacement		\$500,000	
2021-22 Cost Escalation and Contingency Reserve (allocated to O’Kelly Library–Upgrade Electrical System)		\$5,000	
2022-23 Cost Escalation and Contingency Reserve			\$0
Total	\$4,445,000	\$2,000,000	\$2,005,000
SYSTEM OFFICE		\$1,500,000	\$1,500,000
PBS-NC			
Replace underground supply and return piping for Main Building		\$130,000	
Halon System replacement/abatement			\$306,875
PBS NC Physical Security Improvements			\$253,000
Total	\$0	\$130,000	\$559,875
NORTH CAROLINA ARBORETUM			
Replace Operations Center Roof		\$200,000	
Baker Visitor Center Heat Pump Replacement		\$70,000	
Baker Visitor Center Heat Pump Renovation		\$200,000	
Fire Alarm System Replacement		\$150,000	
Replace Education Center Roof			\$520,000
Total	\$0	\$620,000	\$520,000
UNC System 2022-23 Cost Escalation and Contingency Reserve		\$749,999	\$420,125
TOTAL OF FY2022-23 MINOR R&R PROJECTS	\$135,707,433	\$60,000,000	\$60,000,000
ALLOCATION OF FY21-22 COST ESCALATION AND CONTINGENCY RESERVE			\$25,889
GRAND TOTAL OF FY2022-23 MINOR R&R PROJECTS INCLUDING CONTINGENCY RESERVE			\$60,025,889

LEGEND

Project has been completed.

* Project will be phased over multiple years.

** Project will be completed with other funding.

ADDITIONAL NOTES

¹ NC State has combined the following projects into a single project: Research Building III–HVAC Upgrades 1, Research Building I–AHU Replacement, and Research Building IV–HVAC Upgrade.

² NC State has combined the following projects into a single project: Morrill Drive Domestic Water Line Replacement and Campus-Wide Domestic Water

³ UNC Pembroke has completed the Jones Auxiliary Gym project. 2021-22 R&R funding will complete the project.