

**DATE:** November 15, 2017

**SUBJECT:** 2018-19 Capital Project Recommendations

**ACTION RECOMMENDED:** Approval

**BACKGROUND INFORMATION**

Capital projects are broadly categorized according to project scope and funding source. State appropriations fund capital outlay projects, which consist of new construction or major renovation of existing facilities, as well as capital maintenance projects, which repair and replace systems and structures on existing facilities. The third type of capital project, referred to as a disclosed project, is distinguished by its funding source, which does not include state funding. These projects typically relate to various auxiliary functions, such as residence halls, parking, and athletics. Since the project is funded without state appropriations, an institution signals its intent to initiate the project and seek approval from the State Building Commission. This declaration of intent is disclosed to the Governor and General Assembly.

**RECOMMENDATION SUMMARY**

**Capital Outlay**

The capital outlay recommendation for 2018-19 totals \$371.4 million. As detailed in Attachment I, this request includes five projects for the Tennessee Board of Regents (TBR), totaling \$143 million (38.5 percent of the total); three projects for the Locally Governed Institutions (LGIs), totaling \$144.7 million (39 percent of total); and two projects for the University of Tennessee (UT) system, totaling \$83.7 million (22.5 percent of total).

These projects were identified and prioritized by Commission staff using the selection criteria endorsed by the Commission at the May quarterly meeting. In total, twenty-two outlay projects summing to nearly \$800 million were submitted to THEC for review, and the selection process resulted in the ten highest ranked projects compiling the staff recommendation. The capital outlay process is focused on the Drive to 55 and ensures that projects are consistent with state and institutional goals. Projects were evaluated on their relationship to state goals and degree production, congruence with an approved Master Plan, space guidelines and facility assessments, and a program and business plan.

All capital outlay projects include an institutional matching component, applicable to the total project cost. The capital match level is differentiated by project type (New Construction or Major Renovation) and institution level (High Research University, University, or Community College/TCAT/Nonformula Unit). TBR, the LGIs, and UT have flexibility to craft the specific parameters of the matching component, though matching funds should largely consist of private gifts, grants, and institutional funds.

In 2017-18, all 12 capital outlay projects recommended by THEC were funded, totaling \$339.7 million in state funds. Three additional projects, totaling \$8.6 million, were funded outside of the THEC recommendation.

### **Capital Maintenance**

The 2018-19 recommendation for capital maintenance is \$119.3 million. As shown in Attachment IV, this includes 26 projects for TBR, totaling \$22.9 million (19 percent of the total); 37 projects for the LGIs, totaling \$48.9 million (41 percent of total); and 6 projects for the UT system, totaling \$47.5 million (40 percent of total). This request will allow each system to limit increases in deferred maintenance. Additionally, the 2018-19 recommendation includes \$5 million for special capital initiatives, including \$4.2 million to build or renovate one-stop advising centers across the community colleges and \$800,000 to implement a statewide facilities inventory and condition tracking system.

Tennessee has consistently provided funding for maintenance projects across higher education. Over the last five fiscal years, capital maintenance funding has averaged \$77 million per year. In 2017-18, \$131.4 million of the \$163.7 million recommended by THEC for capital maintenance was recommended by the Governor and funded by the General Assembly. Included within those funds was the addition of a \$40 million recurring appropriation for higher education capital maintenance.

### **Disclosure of Revenue-Funded Projects**

Disclosed projects are funded through institutional funds, the Tennessee State School Bond Authority (TSSBA), auxiliary funds, or sources other than state appropriations. For 2018-19, TBR, the LGIs, and UT are disclosing 34 revenue- and TSSBA-funded projects totaling \$156.4 million. As detailed in Attachment V, the disclosure list includes 4 revenue-funded projects, totaling \$4.45 million, for TBR; 6 projects for the LGIs, totaling \$26.9 million; and 11 projects for the UT system, totaling \$45.3 million. Additionally, \$43.5 million for the capital outlay match program, as well as \$36.3 million for TSSBA bonds, were disclosed.

## ATTACHMENT I

### THEC 2018-19 Capital Projects Recommendation Summary

THEC Priority	Capital Outlay			Total Project Cost	Match Percentage	Total Match Funds <sup>1</sup>	Previous Years Match Funds <sup>2</sup>	2018-19 Match Funds	Other Institutional Funds	State Appropriation Request <sup>3</sup>
1	LGI	MTSU	Academic Classroom Building	\$ 39,600,000	11%	\$ 4,500,000	\$ 1,600,000	\$ 2,900,000	\$ -	\$ 35,100,000
2	UT	UTIA	Energy and Environmental Science Research Building (Ellington)	84,000,000	10%	8,400,000	-	8,400,000	-	75,600,000
3	TBR	Cleveland	Campus Revitalization	25,000,000	10%	2,500,000	-	2,500,000	-	22,500,000
4	TBR	Columbia	Williamson County Technology Building	17,700,000	2%	384,000	-	384,000	-	17,316,000
5	UT	UTIA	Vet Medical Center Teaching and Learning Center	9,000,000	10%	900,000	-	900,000	-	8,100,000
6	TBR	TCAT	Statewide TCAT Improvements Phase III	44,780,000	5%	2,262,000	-	2,262,000	-	42,518,000
7	LGI	MTSU	Applied Engineering Building	54,000,000	17%	9,000,000	-	9,000,000	-	45,000,000
8	TBR	Roane	Knox County Campus Replacement	22,300,000	7%	1,500,000	-	1,500,000	-	20,800,000
9	LGI	ETSU	Humanities Building	76,000,000	15%	11,400,000	-	11,400,000	-	64,600,000
10	TBR	Columbia, TCATs Pulaski and Hohenwald	Center for Health Sciences and Industrial Technologies	41,120,000	3%	1,300,000	-	1,300,000	-	39,820,000
<b>TBR Total</b>				<b>\$ 150,900,000</b>	<b>0%-10%</b>	<b>\$ 7,946,000</b>	<b>\$ -</b>	<b>\$ 7,946,000</b>	<b>\$ -</b>	<b>\$ 142,954,000</b>
<b>LGI Total</b>				<b>\$ 169,600,000</b>	<b>0%-25%</b>	<b>\$ 24,900,000</b>	<b>\$ 1,600,000</b>	<b>\$ 23,300,000</b>	<b>\$ -</b>	<b>\$ 144,700,000</b>
<b>UT Total</b>				<b>\$ 93,000,000</b>	<b>0%-25%</b>	<b>\$ 9,300,000</b>	<b>\$ -</b>	<b>\$ 9,300,000</b>	<b>\$ -</b>	<b>\$ 83,700,000</b>

Capital Outlay Planning Funds			Total Project Cost	Match	Total Match Funds <sup>1</sup>	Institutional Planning Funds	Remaining Match Funds	Other Institutional Funds	State Funds Request
UT	UTIA	Vet Medical Center Teaching and Learning Center	\$ 9,000,000	10%	\$ 900,000	\$ 350,000	\$ 550,000	NA	NA
UT	UTK	Nursing Building	\$ 95,000,000	10%	\$ 9,500,000	\$ 3,000,000	\$ 6,500,000	NA	NA
<b>Total</b>			<b>\$ 104,000,000</b>	<b>10%</b>	<b>\$ 10,400,000</b>	<b>\$ 3,350,000</b>	<b>\$ 7,050,000</b>	<b>NA</b>	<b>NA</b>

Capital Maintenance	Total	Total Projects	State Funds Request
<b>TBR Total</b>	\$ 22,970,000	26	\$ 22,970,000
<b>LGI Total</b>	\$ 48,880,000	37	\$ 48,880,000
<b>UT Total</b>	\$ 47,480,000	6	\$ 47,480,000
<b>Special Initiative</b>	\$ 5,000,000	2	\$ 5,000,000

Total	Total	Total Match Funds <sup>1</sup>	Total Projects	State Appropriation Request <sup>3</sup>
<b>Total Capital Outlay</b>	\$ 413,500,000	\$ 42,146,000	10	\$ 371,354,000
<b>Total Capital Maintenance</b>	\$ 124,330,000	NA	71	\$ 124,330,000
<b>Total Capital Investment<sup>4</sup></b>	<b>\$ 537,830,000</b>	<b>\$ 42,146,000</b>	<b>81</b>	<b>\$ 495,684,000</b>

1 - Match is applicable to the entire scope of each capital outlay project. Total Match Funds consist of previous years match funds and 2018-19 match funds.

2 - Institutional funding expended since 2013-14 for project planning.

3 - Reflects total state appropriation request after all other funding sources—including previous years funding, total match funds and other institutional funds—are taken into account.

4 - Planning funds included in the capital outlay total match funds.

## ATTACHMENT II

### 2018-19 THEC Capital Outlay Projects Recommendation

THEC Priority	System Priority	Institution	Project Name	D + E = C						
				A	B	C = A * B	D + E = C		G = A - C	
				2018-19 Project Cost	Match Percentage	Total Match Funds <sup>1</sup>	Previous Years Match Funds <sup>2</sup>	2018-19 Match Funds	State Appropriation Request <sup>3</sup>	
1	1	MTSU	Academic Classroom Building	\$ 39,600,000	11%	\$ 4,500,000	\$ 1,600,000	\$ 2,900,000	\$ 35,100,000	
2	1	UTIA	Energy and Environmental Science Research Building (Ellington)	\$ 84,000,000	10%	\$ 8,400,000	\$ -	\$ 8,400,000	\$ 75,600,000	
3	2	Cleveland	Campus Revitalization	\$ 25,000,000	10%	\$ 2,500,000	\$ -	\$ 2,500,000	\$ 22,500,000	
4	1	Columbia	Williamson County Technology Building	\$ 17,700,000	2%	\$ 384,000	\$ -	\$ 384,000	\$ 17,316,000	
5	2	UTIA	Vet Medical Center Teaching and Learning Center	\$ 9,000,000	10%	\$ 900,000	\$ -	\$ 900,000	\$ 8,100,000	
6	3	TCAT	Statewide TCAT Improvements Phase III	\$ 44,780,000	5%	\$ 2,262,000	\$ -	\$ 2,262,000	\$ 42,518,000	
7	2	MTSU	Applied Engineering Building	\$ 54,000,000	17%	\$ 9,000,000	\$ -	\$ 9,000,000	\$ 45,000,000	
8	5	Roane	Knox County Campus Replacement	\$ 22,300,000	7%	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 20,800,000	
9	1	ETSU	Humanities Building	\$ 76,000,000	15%	\$ 11,400,000	\$ -	\$ 11,400,000	\$ 64,600,000	
10	4	Columbia, TCATs Pulaski and Hohenwald	Center for Health Sciences and Industrial Technologies	\$ 41,120,000	3%	\$ 1,300,000	\$ -	\$ 1,300,000	\$ 39,820,000	
<b>2018-19 TBR Total</b>				<b>\$ 150,900,000</b>	<b>0%-10%</b>	<b>\$ 7,946,000</b>	<b>\$ -</b>	<b>\$ 7,946,000</b>	<b>\$ 142,954,000</b>	
<b>2018-19 LGI Total</b>				<b>\$ 169,600,000</b>	<b>0%-25%</b>	<b>\$ 24,900,000</b>	<b>\$ 1,600,000</b>	<b>\$ 23,300,000</b>	<b>\$ 144,700,000</b>	
<b>2018-19 UT Total</b>				<b>\$ 93,000,000</b>	<b>0%-25%</b>	<b>\$ 9,300,000</b>	<b>\$ -</b>	<b>\$ 9,300,000</b>	<b>\$ 83,700,000</b>	
<b>2018-19 THEC Capital Outlay Projects Recommendation</b>				<b>\$ 413,500,000</b>	<b>0%-25%</b>	<b>\$ 42,146,000</b>	<b>\$ 1,600,000</b>	<b>\$ 40,546,000</b>	<b>\$ 371,354,000</b>	

1 - Match is applicable to the entire scope of each capital outlay project. Total Match Funds consist of previous years match funds and 2018-19 match funds.

2 - Institutional funding expended since 2013-14 for project planning.

3 - Reflects total state appropriation request after all other funding sources—including previous years funding, total match funds and other institutional funds—are taken into account.

4 - Planning funds included in the capital outlay total match funds.

**ATTACHMENT III**  
**THEC 2018-19 Capital Outlay Projects Descriptions**

THEC Priority	Campus/System Priority	Governing Board	Institution	Project Name	Total Project Cost	State Request	Project Description
1	1	MTSU	MTSU	<b>Academic Classroom Building</b>	\$ 39,600,000	\$ 35,100,000	The Academic Classroom Building (ACB) will become a new center for the College of Behavioral and Health Sciences located within the campus academic core. THE ACB will provide consolidated functional areas to the Criminal Justice, Psychology, and Social Work Departments, which offer highly related, integrative programs now located in multiple buildings across the campus. It will provide critically needed classrooms, offices and labs designed to serve contemporary, technology-rich, collaborative pedagogy, and flexible learning space.
2	1	UT	UTIA	<b>Energy and Environmental Science Research Building (Ellington)</b>	\$ 84,000,000	\$ 75,600,000	To be constructed on the site of the current Ellington Plant Science Building, the Energy & Environmental Science Research Building will provide research and teaching laboratories, interactive spaces and student lounges, and facility support. This building will meet the needs of Biosystems Engineering and Soil Science, Entomology and Plant Pathology, Wildlife and Fisheries, and Plant Sciences.
3	2	TBR	Cleveland	<b>Campus Revitalization</b>	\$ 25,000,000	\$ 22,500,000	Having not received funding for major renovations or new classroom construction since the 1970s, the campus revitalization will allow Cleveland State to promote greater access to high-demand fields by constructing a new Health and Sciences Building. The revitalization will also allow Cleveland State to modernize its campus footprint by initiating Phase I of a multi-year restoration.
4	1	TBR	Columbia	<b>Williamson County Technology Building</b>	\$ 17,700,000	\$ 17,316,000	Proposed to complete the fourth building on Columbia State's newest campus, the Technology Building will provide space for new and additional technical, academic, and workforce training programs, with an emphasis on Informational Technology and health care, to meet current and increasing enrollments. The building is designed to meet prior five-year enrollment growth of 5.7 percent and anticipated enrollment growth in the near future.
5	2	UT	UTIA	<b>Vet Medical Center Teaching and Learning Center</b>	\$ 9,000,000	\$ 8,100,000	The Teaching and Learning Center will enhance educational teaching programs to improve efficiency and quality of programs grounded in Veterinary Medicine. Adding 22,000 gross square feet of new space and 1,500 in renovation, the new facility will provide a clinical simulation skills laboratory, a lecture hall, and student support facilities.
6	3	TBR	TCATs	<b>Statewide TCAT Improvements Phase III</b>	\$ 44,780,000	\$ 42,518,000	Completing a multi-phase project to expand programs at TCATs across the state, Phase III will construct new facilities at the Chattanooga, Hartsville, Hohenwald, McKenzie, and Morristown campuses. All expansions and improvements are in accordance with the TCAT Master Plan.
7	2	MTSU	MTSU	<b>Applied Engineering Building</b>	\$ 54,000,000	\$ 45,000,000	The Applied Engineering Building (AEB) will house a new a center for applied engineering programs located within the campus academic core and the science corridor of innovation. It will consolidate the undergraduate and graduate programs of Engineering Technology and Mechatronics Engineering into the Department of Engineering Technology.
8	5	TBR	Roane	<b>Knox County Campus Replacement</b>	\$ 22,300,000	\$ 20,800,000	Identified as the most significant space needs of any Roane State campus, the 2017 Roane State Master Plan recommends the construction or acquisition of a facility to deliver Nursing and Allied Health Science programs in Knox and Blount county. The Master Plan concluded that a larger facility is needed to meet the current and future workforce needs in the area. Roane State intends to sell its current facility in Knox county to pursue a replacement.
9	1	ETSU	ETSU	<b>Humanities Building</b>	\$ 76,000,000	\$ 64,600,000	This proposal will demolish the existing Campus Center Building and construct a new Humanities Building in the Campus Core, adjacent to the Quad. It will also allow for the renovation of areas in the Roger Stout and Burleson facilities. The building will provide space for classrooms, laboratories, office, and other spaces as outlined in the Academic Facilities Master Plan.
10	4	TBR	Columbia, TCATs Pulaski and Hohenwald	<b>Center for Health Sciences and Industrial Technologies</b>	\$ 41,120,000	\$ 39,820,000	The collaboration between Columbia State, TCAT-Pulaski, and TCAT-Hohenwald, will result in a new facility to serve career-ready workers across a broad array of disciplines and skillsets in Health Sciences and Industrial Technology. The center will coordinate programs and services that are mutually beneficial for students, and provide curricular pathways toward acquiring credentials.

## ATTACHMENT IV

# THEC 2018-19 Capital Maintenance Projects Recommendation

<b>TENNESSEE BOARD OF REGENTS</b>		<b>Total</b>
Statewide	TCAT Building System Updates Phase II	\$ 570,000
Chattanooga	Advanced Technology Building Roof Replacement	680,000
Volunteer	Cookeville Higher Education Campus Roof Repair	400,000
Nashville	East Davidson Campus Roof Repairs	750,000
Statewide	TCAT Roof Repairs/Replacements	790,000
Dyersburg	Science Building Interior Updates	1,500,000
Pellissippi	HVAC Updates	850,000
Statewide	TCAT MPE and Infrastructure Updates Phase II	2,040,000
Southwest	Macon Campus Plumbing Corrections and Updates	1,300,000
Jackson	Library HVAC Updates	770,000
Walters	Infrastructure Repairs Phase I	1,450,000
Columbia	Plumbing and Drainage Repairs	750,000
Northeast	Chiller Replacement	520,000
Motlow	Power Plant Boiler Update	1,020,000
Roane	Building Envelope Repairs	820,000
Cleveland	Campus Parking and Road Updates	1,500,000
Chattanooga	Lift Station Replacement	390,000
Volunteer	Ramer Air Handler Replacement	270,000
Pellissippi	Electrical Updates and Repairs	500,000
Southwest	Union Campus Plumbing Corrections and Updates	1,600,000
Volunteer	Thigpen Chiller Replacement	150,000
Roane	Dunbar Classroom Elevator Replacement	320,000
Columbia	Exterior Repairs and Updates	270,000
TCAT Shelbyville	Restroom Renovations	120,000
Chattanooga	CETAS Building Renovations	3,140,000
Pellissippi	ADA Corrections	500,000
<b>2018-19 TBR Total</b>		<b>\$ 22,970,000</b>

<b>AUSTIN PEAY STATE UNIVERSITY</b>		<b>Total</b>
APSU	Kimbrough HVAC Replacement	\$ 2,250,000
APSU	Fire Alarm Replacements	1,420,000
<b>2018-19 APSU Total</b>		<b>\$ 3,670,000</b>

<b>EAST TENNESSEE STATE UNIVERSITY</b>		<b>Total</b>
ETSU	Campus HVAC Upgrades	\$ 2,740,000
ETSU	CEB HVAC Repairs	1,800,000
ETSU	Repair and Replace Campus Water Lines Phase I	1,500,000
ETSU	Multiple Building Roof Replacements	1,000,000
ETSU	Correct Code Deficiencies in Memorial Center	2,500,000
<b>2018-19 ETSU Total</b>		<b>\$ 9,540,000</b>

<b>MIDDLE TENNESSEE STATE UNIVERSITY</b>		<b>Total</b>
MTSU	Mechanical and Electrical Updates for Data and Communication Centers	\$ 1,212,000
MTSU	KUC and Miller Ed Center Roof Replacements	1,500,000
MTSU	Steam/Condensate and Manhole Repair/Replacement Phase II	2,350,000
MTSU	Domestic Water and Sewer Systems Updates Phase I	1,010,000
MTSU	Maintenance Complex Roofs Replacement	1,048,000
MTSU	Several Buildings Smoke Evacuation Repair and Retro-Commissioning	500,000
MTSU	Elevator Modernization Phase II	550,000
<b>2018-19 MTSU Total</b>		<b>\$ 8,170,000</b>

# ATTACHMENT IV

## THEC 2018-19 Capital Maintenance Projects Recommendation

### TENNESSEE STATE UNIVERSITY

		Total
TSU	Safety Upgrades/Improvements Phase I	\$ 200,000
TSU	Gentry Center Building Envelope	1,000,000
TSU	FP Campus Center HVAC Upgrades	500,000
TSU	McCord Biology Fire Alarm System Replacement	150,000
TSU	Strange Music Building HVAC upgrades	300,000
TSU	Several Building Electrical Upgrades Phase I	550,000
TSU	Davis Humanities Building Envelope	100,000
TSU	Gentry Center HVAC Upgrades	300,000
TSU	Landscape Improvements Phase I	200,000
TSU	FP Campus Center Colonnade Repair Phase I	200,000
TSU	Kean Hall Water Intrusion Mitigation	100,000
TSU	FP Campus Center Building Envelope and Interiors Upgrades	500,000
TSU	Several Building Utility Metering	150,000
TSU	Wellness Center HVAC Upgrades	300,000
TSU	Several Building Water Isolation Valves	500,000
TSU	Harned Hall HVAC Upgrades	500,000
TSU	Perimeter Road Design and Construction	500,000
TSU	McMinnville NCRS MEP Upgrades	150,000
<b>2018-19 TSU Total</b>		<b>\$ 6,200,000</b>

### TENNESSEE TECHNOLOGICAL UNIVERSITY

		Total
TTU	Several Buildings Upgrades	\$ 6,290,000
<b>2018-19 TTU Total</b>		<b>\$ 6,290,000</b>

### UNIVERSITY OF MEMPHIS

		Total
UM	Recreation Center Roof and Repairs	\$ 3,500,000
UM	Recreation Center Pool Repairs	3,500,000
UM	Building Envelope Repairs	3,500,000
UM	Boilers and Hot Water Piping	4,510,000
<b>2018-19 UM Total</b>		<b>\$ 15,010,000</b>

### UNIVERSITY OF TENNESSEE

		Total
UTIA	College of Vet Medicine Building and Cherokee Lab Improvements	\$ 6,700,000
UTK	Roof Replacements	5,800,000
UTHSC	Security Upgrades Phase III	10,000,000
UTC	Hunter Hall Improvements	13,000,000
UTM	Hall Moody Systems and Chiller Upgrade	10,560,000
UTIA	4-H Center Building Improvements	1,420,000
<b>2018-19 UT Total</b>		<b>\$ 47,480,000</b>

### SPECIAL INITIATIVE

Community Colleges	Advising One-Stop Shops	\$ 4,200,000
Statewide	THEC Facilities Tracking System	800,000
<b>2018-19 Special Initiative Total</b>		<b>\$ 5,000,000</b>

	Projects	Total
<b>TBR</b>	<b>26</b>	<b>\$ 22,970,000</b>
<b>LGI</b>	<b>37</b>	<b>\$ 48,880,000</b>
<b>UT</b>	<b>6</b>	<b>\$ 47,480,000</b>
<b>Special Initiative</b>	<b>2</b>	<b>\$ 5,000,000</b>
<b>Total</b>	<b>71</b>	<b>\$ 124,330,000</b>

**ATTACHMENT V**  
**THEC 2018-19 Disclosure of Revenue-Funded Capital Projects**

**LOCALLY GOVERNED INSTITUTIONS**

<b>Institution</b>	<b>Project</b>	<b>Funding Source</b>	<b>Project Cost</b>	<b>New Sq.Ft.</b>	<b>TSSBA</b>	<b>Gifts</b>	<b>Auxiliary</b>	<b>Operating</b>
APSU	Softball Field Improvements	Plant Funds - Non-Auxiliary	\$ 100,000	1,000	\$ -	\$ -	\$ -	\$ 100,000
ETSU	Renovate Multiple Warf-Pickel Areas to Meet Program Requirements	Plant Funds - Non-Auxiliary	225,000	-	-	-	-	225,000
ETSU	Outdoor Track and Field Facility	Gifts; Plant Funds - Non-Auxiliary	7,500,000	-	-	7,000,000	-	500,000
ETSU	Niswonger VILLAGE at the ETSU/Eastman Valleybrook Campus	Gifts	300,000	-	-	300,000	-	-
TTU	International House	Plant Funds - Non-Auxiliary	730,000	6,550	-	-	-	730,000
UM	Park Avenue Housing 400 Beds	Plant Funds - Auxiliary (Contractor/Vendor)	18,000,000	125,000	-	-	18,000,000	-
<b>6 Projects</b>	<b>TOTAL LGI REVENUE-FUNDED PROJECTS DISCLOSED</b>		<b>\$ 26,855,000</b>	<b>132,550</b>	<b>\$ -</b>	<b>\$ 7,300,000</b>	<b>\$ 18,000,000</b>	<b>\$ 1,555,000</b>

**UNIVERSITY OF TENNESSEE**

<b>Institution</b>	<b>Project</b>	<b>Funding Source</b>	<b>Project Cost</b>	<b>New Sq.Ft.</b>	<b>TSSBA</b>	<b>Gifts</b>	<b>Auxiliary</b>	<b>Operating</b>
UTC	Boling Roof Replacement	Plant Funds - Non-Auxiliary	\$ 470,000	-	\$ -	\$ -	\$ -	\$ 470,000
UTC	Mapp Building Additive Mfg Lab & Entrepreneurial Center	Plant Funds - Non-Auxiliary	1,290,000	-	-	-	-	1,290,000
UTIA	Lone Oaks 4-H Center Cabins	Plant Funds - Non-Auxiliary	6,900,000	27,000	-	-	-	6,900,000
UTIA	Lone Oaks 4-H Center Dining Hall	Plant Funds - Non-Auxiliary	3,350,000	8,500	-	-	-	3,350,000
UTK	Andy Holt Tower Upgrades	Plant Funds - Non-Auxiliary	5,000,000	-	-	-	-	5,000,000
UTK	Boathouse Deck Expansion	Plant Funds - Auxiliary (Athletics)	1,000,000	-	-	-	1,000,000	-
UTK	Indoor Tennis Center Improvements	Gifts	3,500,000	-	-	3,500,000	-	-
UTK	Neyland Stadium Improvements (18-19)	Plant Funds - Auxiliary (Athletics)	5,000,000	-	-	-	5,000,000	-
UTK	Neyland-Thompson Sports Center Enhancements	Gifts	3,000,000	-	-	3,000,000	-	-
UTK	Student Recreational Facilities Improvements	Plant Funds - Non-Auxiliary	15,000,000	-	-	-	-	15,000,000
UTM	Elam Center Arena Lighting Upgrade	Plant Funds - Non-Auxiliary	760,000	-	-	-	-	760,000
<b>11 Projects</b>	<b>TOTAL UT REVENUE-FUNDED PROJECTS DISCLOSED</b>		<b>\$ 45,270,000</b>	<b>35,500</b>	<b>\$ -</b>	<b>\$ 6,500,000</b>	<b>\$ 6,000,000</b>	<b>\$ 32,770,000</b>



## ATTACHMENT V

### THEC 2018-19 Disclosure of Revenue-Funded Capital Projects

**TENNESSEE BOARD OF REGENTS**

Institution	Project	Funding Source	Project Cost	New Sq.Ft.	TSSBA	Gifts	Auxiliary	Operating
Pellissippi	Blount County Greenhouse	Plant Funds - Non-Auxiliary	\$ 90,000	1,625	\$ -	\$ -	\$ -	\$ 90,000
Pellissippi	Strawberry Plains Roof Replacement	Plant Funds - Non-Auxiliary; Plant Funds - Auxiliary (Rent)	2,900,000	-	-	-	1,653,000	1,247,000
Volunteer	Wood Building Dining and Kitchen Remodel	Plant Funds - Non-Auxiliary	960,000	-	-	-	-	960,000
Walters	Baking Kitchen Relocation	Gifts	500,000	-	-	500,000	-	-
<b>4 Projects</b>	<b>TOTAL TBR REVENUE-FUNDED PROJECTS DISCLOSED</b>		<b>\$ 4,450,000</b>	<b>1,625</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 1,653,000</b>	<b>\$ 2,297,000</b>

**CAPITAL OUTLAY MATCH FUNDS**

Institution	Project	Funding Source	Project Cost	New Sq.Ft.	TSSBA	Gifts	Auxiliary	Operating
Cleveland	Campus Revitalization	Gifts	\$ 2,500,000	60,000	\$ -	\$ 2,500,000	\$ -	\$ -
Columbia	Williamson County Technology Building	Plant Funds - Non-Auxiliary	384,000	27,241	-	-	-	384,000
Columbia, TCATs Pulaski and Hohenwald	Center for Health Sciences and Industrial Technologies	Gifts; Plant Funds - Non-Auxiliary	1,300,000	99,639	-	900,000	-	400,000
ETSU	Humanities Building	Gifts; Plant Funds - Non-Auxiliary	11,400,000	100,000	-	2,850,000	-	8,550,000
MTSU	Academic Classroom Building	Gifts; Plant Funds - Non-Auxiliary, TSSBA	2,900,000	91,200	1,520,000	1,000,000	-	380,000
MTSU	Applied Engineering Building	Gifts	9,000,000	92,000	-	9,000,000	-	-
Roane	Knox County Campus Replacement	Plant Funds - Auxiliary (Land Proceeds)	1,500,000	50,000	-	-	1,500,000	-
TCAT	Statewide TCAT Improvements Phase III	Plant Funds - Non-Auxiliary	2,262,000	133,822	-	-	-	2,262,000
UTIA	Energy and Environmental Science Research Building (Ellington)	Plant Funds - Non-Auxiliary	8,400,000	97,500	-	-	-	8,400,000
UTIA	Vet Medical Center Teaching and Learning Center <sup>1</sup>	Gifts	900,000	22,000	-	900,000	-	-
UTK	Nursing Building - Planning	Plant Funds - Non-Auxiliary	3,000,000	137,000	-	-	-	3,000,000
<b>11 Projects</b>	<b>TOTAL CAPITAL OUTLAY MATCH FUNDS DISCLOSED</b>		<b>\$ 43,546,000</b>	<b>910,402</b>	<b>\$ 1,520,000</b>	<b>\$ 17,150,000</b>	<b>\$ 1,500,000</b>	<b>\$ 23,376,000</b>

1 - Includes \$350K identified for disclosure in 2018-19 for planning of this project.

### THEC 2018-19 Disclosure of Tennessee State School Bond Authority Funded Capital Projects

Institution	Project	Funding Source	Project Cost	New Sq.Ft.	TSSBA	Gifts	Auxiliary	Operating
UM	Parking Garage North	TSSBA (Parking Fees)	11,250,000	218,000	11,250,000	-	-	-
UTHSC	Bioworks Acquisition	TSSBA (Parking Fees, Operations, Plant Funds - Non-Auxiliary)	25,010,000	-	25,010,000	-	-	-
<b>2 Projects</b>	<b>TOTAL TSSBA-FUNDED PROJECTS DISCLOSED</b>		<b>\$ 36,260,000</b>	<b>218,000</b>	<b>\$ 36,260,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>34 Projects</b>	<b>TOTAL REVENUE- &amp; TSSBA-FUNDED PROJECTS DISCLOSED</b>		<b>\$ 156,381,000</b>	<b>\$ 1,298,077</b>	<b>\$ 37,780,000</b>	<b>\$ 31,450,000</b>	<b>\$ 27,153,000</b>	<b>\$ 59,998,000</b>

**ATTACHMENT VI**  
**THEC Five-Year Plan for Capital Projects - Out Years Summary**  
**2019-20 through 2022-23**

		A	B	C	D = (A * B) - C	E = A - C - D
		Total	Target	Planning	Match Funds	State Funds
<b>TBR Capital Outlay Out Years</b>		Project Cost	Match	Funds <sup>1</sup>	Less Planning <sup>2</sup>	Request
Nashville	Clarksville Addition	\$ 15,000,000	10%	\$ -	\$ 1,500,000	\$ 13,500,000
Jackson	Library Renovations	4,500,000	10%	-	450,000	4,050,000
Pellissippi	Blount County Workforce Development Center	10,800,000	51%	-	5,500,000	5,300,000
Cleveland	McMinn Higher Education and Training Facility	13,800,000	28%	-	3,800,000	10,000,000
Walters	Health Professions and Physical Activity Center	45,000,000	2%	-	900,000	44,100,000
Cleveland	Athens Campus Facility	9,750,000	10%	-	975,000	8,775,000
Northeast	Kingsport Academic Building	16,700,000	10%	-	1,670,000	15,030,000
Dyersburg	Arts and Sciences Building	35,000,000	10%	-	3,500,000	31,500,000
Motlow	Rutherford Teaching Site Addition Phase 4	15,800,000	10%	-	1,580,000	14,220,000
TCAT Elizabethton	Building #1 Renovation	2,260,000	5%	-	113,000	2,147,000
<b>TBR Total</b>		<b>\$ 168,610,000</b>	<b>0%-10%</b>	<b>TBD from Match</b>	<b>\$ 19,988,000</b>	<b>\$ 148,622,000</b>

		Total	Target	Planning	Match Funds	State Funds
		Project Cost	Match	Funds <sup>1</sup>	Less Planning <sup>2</sup>	Request
<b>LGI Capital Outlay Out Years</b>						
APSU	Health Professions Building	\$ 75,170,000	10%	\$ -	\$ 7,517,000	\$ 67,653,000
TTU	Engineering & Research Building	54,400,000	5%	-	2,720,000	51,680,000
TTU	Biology Building	60,000,000	5%	-	3,000,000	57,000,000
UM	Lambuth Nursing Renovations	11,000,000	0%	-	-	11,000,000
MTSU	Math and Computer Science	49,500,000	5%	-	2,475,000	47,025,000
MTSU	Concrete and Construction Management	28,000,000	5%	-	1,400,000	26,600,000
TTU	Academic Classroom/Office Building	19,500,000	5%	-	975,000	18,525,000
UM	Engineering Research Facility	25,000,000	0%	-	-	25,000,000
MTSU	Liberal Arts Building, Peck Hall Demolition, Chiller Addition	68,000,000	5%	-	3,400,000	64,600,000
TTU	Pennebaker Hall Renovation	9,250,000	0%	-	-	9,250,000
UM	Research Modernization	27,000,000	0%	-	-	27,000,000
ETSU	Math and Science Building	72,900,000	10%	-	7,290,000	65,610,000
MTSU	School of Music Building	58,000,000	5%	-	2,900,000	55,100,000
TTU	Facilities Services Complex	10,100,000	5%	-	505,000	9,595,000
TTU	Memorial Gym Update	15,400,000	0%	-	-	15,400,000
<b>LGI Total</b>		<b>\$ 583,220,000</b>	<b>0%-25%</b>	<b>TBD from Match</b>	<b>\$ 32,182,000</b>	<b>\$ 551,038,000</b>

		Total	Target	Planning	Match Funds	State Funds
		Project Cost	Match	Funds <sup>1</sup>	Less Planning <sup>2</sup>	Request
<b>UT Capital Outlay Out Years</b>						
UTK	Nursing Building	\$ 95,000,000	10%	\$ 3,000,000	\$ 6,500,000	\$ 85,500,000
UTHSC	Audiology & Speech Pathology	43,600,000	5%	-	2,068,000	41,532,000
UTC	Maclellan Renovation	25,500,000	0%	-	-	25,500,000
UTM	Fine Arts Music Hall & Theater Renovation	32,930,000	5%	-	1,647,000	31,283,000
UTC	Health Sciences Building	106,850,000	16%	-	17,218,000	89,632,000
UTIA	Interdisciplinary Research & Education Greenhouse	4,800,000	10%	-	480,000	4,320,000
UTK	Academic and Instructional Support Facility (Melrose Hall)	99,800,000	10%	-	9,980,000	89,820,000
UTIA	ETREC-Organic Crops & Beneficial Insect Unit Improvements	4,100,000	10%	-	410,000	3,690,000
UTK	Life Sciences Lab Building (Panhellenic site)	123,000,000	10%	-	12,300,000	110,700,000
UTK	Hoskins Library Renovation & Restoration	63,000,000	0%	-	-	63,000,000
UTHSC	Medicine/Administration Building	103,000,000	2%	-	2,060,000	100,940,000
UTK	Classroom & Laboratory Facility (Harris Building)	52,000,000	0%	-	-	52,000,000
UTIA	4-H Center STEM Education & Staff Housing Facilities	14,900,000	10%	-	1,490,000	13,410,000
<b>UT Total</b>		<b>\$ 768,480,000</b>	<b>0%-25%</b>	<b>TBD from Match</b>	<b>\$ 54,153,000</b>	<b>\$ 711,327,000</b>

<b>Capital Maintenance Out Years</b>		Total	Target	Planning	Match Funds	State Funds
			Match	Funds <sup>1</sup>	Less Planning <sup>2</sup>	Request
<b>TBR Total</b>		\$ 24,060,000	NA	NA	NA	\$ 24,060,000
<b>LGI Total</b>		\$ 234,483,000	NA	NA	NA	\$ 234,483,000
<b>UT Total</b>		\$ 203,790,000	NA	NA	NA	\$ 203,790,000

				Institution Funds		State Funds
<b>Total Out Years</b>		Total	Target	Planning	Match Funds	Request
			Match	Funds <sup>1</sup>	Less Planning <sup>2</sup>	
<b>Total Capital Outlay Out Years 2019-20 through 2022-23</b>		\$ 1,520,310,000	0%-25%	TBD from Match	\$ 106,323,000	\$ 1,410,987,000
<b>Total Capital Maintenance Out Years 2019-20 through 2022-23</b>		\$ 462,333,000	NA	NA	NA	\$ 462,333,000
<b>Total Capital Investment 2019-20 through 2022-23</b>		<b>\$ 1,982,643,000</b>	<b>10% - 25%</b>	<b>TBD from Match</b>	<b>\$ 106,323,000</b>	<b>\$ 1,873,320,000</b>

1 - Full planning funds come from the institutional match. Some planning funds have not yet been broken out from total match funds.  
2 - Match is applicable to the entire scope of each capital outlay project.

## ATTACHMENT VII

### THEC Five-Year Plan for Capital Maintenance Projects - Out Years 2019-20 through 2022-23

Tennessee Board of Regents			Total
2019-20	Southwest	Union Campus Allied Health Safety Updates	\$ 800,000
2019-20	Northwest	Roof Replacements	340,000
2019-20	Volunteer	Pickel Roof Replacement	820,000
2019-20	TCAT Whiteville	ADA Corrections	100,000
2019-20	Walters	Infrastructure Repairs Phase II	900,000
2019-20	Columbia	Powerhouse System Repairs	500,000
2019-20	Roane	Several Buildings HVAC Corrections	1,100,000
2019-20	Volunteer	Campus Exterior Repairs	260,000
2019-20	Statewide	TCAT Parking and Paving Repairs Phase III	1,260,000
2019-20	Statewide	TCAT Exterior Repairs	390,000
2019-20	Pellissippi	Window Replacements	320,000
2019-20	Statewide	TCAT Parking and Paving Repairs Phase IV	1,410,000
2019-20	Pellissippi	Campus Paving and Repairs	500,000
2019-20	Columbia	Security System Updates	220,000
2019-20	Statewide	TCAT Building System Updates Phase III	670,000
2019-20	TCAT Oneida	Huntsville ADA Compliance	200,000
2019-20	Statewide	TCAT MPE and Infrastructure Updates Phase III	2,780,000
2019-20	Motlow	Fayetteville Campus Geothermal Modernization	610,000
2019-20	Cleveland	Campus Wayfinding Improvements	400,000
2019-20	Southwest	Nabors Auditorium Interior Updates	700,000
2019-20	Volunteer	Wallace North Lab Upgrade	860,000
2019-20	Statewide	TCAT MPE and Infrastructure Updates Phase IV	640,000
2019-20	Jackson	McWherter HVAC Updates	1,860,000
2019-20	Dyersburg	Multi-Building Boiler System Updates	400,000
2019-20	Motlow	McMinnville Campus Geothermal Modernization	730,000
2019-20	Jackson	Electrical Distribution Update	990,000
2019-20	Statewide	TCAT Parking and Paving Repairs Phase V	1,340,000
2019-20	TCAT Whiteville	Masonry Repairs	100,000
2019-20	TCAT Athens	Storage Updates	60,000
2019-20	Dyersburg	Campus Paving Repairs	160,000
2019-20	Motlow	Parking and Roadway Repairs	1,010,000
2019-20	Statewide	Interior Updates	1,060,000
2019-20	Motlow	Interior Building Repairs	570,000
<b>TBR Out Years Total</b>			<b>\$ 24,060,000</b>
<b>33 Projects</b>			

Austin Peay State University			Total
2019-20	APSU	Dunn Center HVAC Replacement Phase I	\$ 3,125,000
2020-21	APSU	Dunn Center HVAC Replacement Phase II	3,125,000
2020-21	APSU	Steam Piping Replacement Phase IV	1,250,000
2021-22	APSU	Chiller/Cooling Tower Replacement	1,875,000
2021-22	APSU	Memorial Health	2,500,000
2022-23	APSU	Fire Alarm System Upgrades	1,875,000
2022-23	APSU	Steam Piping Replacement Phase V	1,250,000
2022-23	APSU	Underground Electrical	2,500,000
<b>APSU Out Years Total</b>			<b>\$ 17,500,000</b>
<b>8 Projects</b>			

East Tennessee State University			Total
2019-20	ETSU	Shelbridge Repairs	\$ 1,000,000
2019-20	ETSU	HVAC Repairs	2,210,000
2019-20	ETSU	Building Envelope Repairs	1,640,000
2019-20	ETSU	Building 2 and 4 Structural Repairs	1,640,000

East Tennessee State University (continued)			Total
2019-20	ETSU	Repair and Replace Campus Water Lines	1,640,000
2019-20	ETSU	Campus Wide Code and Accessibility Upgrades	1,410,000
2020-21	ETSU	HVAC Repairs	2,200,000
2020-21	ETSU	Roof Replacements and Drainage Correction	2,170,000
2020-21	ETSU	Kingsport Allendale Structural Repairs	1,340,000
2020-21	ETSU	Egress Safety Lighting Fire Alarm System Replacements	1,630,000
2020-21	ETSU	Campus Wide Code and Accessibility Upgrades	2,200,000
2021-22	ETSU	Electrical Repair and Replacement	1,730,000
2021-22	ETSU	Repair and Replace Campus Water Lines	1,500,000
2021-22	ETSU	HVAC Repairs	2,100,000
2021-22	ETSU	Steam Trap and Steam Line Replacement	1,760,000
2021-22	ETSU	Campus Wide Code and Accessibility Upgrades	1,000,000
2021-22	ETSU	Roof Replacements	1,450,000
2022-23	ETSU	HVAC Repairs	2,000,000
2022-23	ETSU	Electrical Repair and Replacement	1,700,000
2022-23	ETSU	Steam Pipe and Steam Line Replacement	2,000,000
2022-23	ETSU	Storm Water Drainage Repairs	1,000,000
2022-23	ETSU	Elevator Replacements	1,500,000
2022-23	ETSU	Memorial Center Arena Floor Replacement	1,340,000
<b>ETSU Out Years Total</b>			<b>\$ 38,160,000</b>
<b>23 Projects</b>			

Middle Tennessee State University			Total
2019-20	MTSU	Several Buildings Roof Replacements	\$ 1,200,000
2019-20	MTSU	Several Buildings Plumbing and Restroom Upgrades	2,950,000
2019-20	MTSU	Stark Ag/Police Station Mechanical and HVAC Upgrades	1,950,000
2019-20	MTSU	Life Safety Fire Alarm System Upgrades Phase II	800,000
2019-20	MTSU	Chilled Water Valve Replacements Phase I	650,000
2019-20	MTSU	Miller Education Center Boiler Replacement	650,000
2020-21	MTSU	Elevator Modernization Phase III	1,000,000
2020-21	MTSU	Several Buildings Roof Replacements	1,400,000
2020-21	MTSU	Several Buildings Mechanical and HVAC Upgrades	1,750,000
2020-21	MTSU	Steam/Condensate and Manhole Repair/Replacement Phase III	3,000,000
2020-21	MTSU	Campus Stormwater BMP Phase I	650,000
2020-21	MTSU	Peck Hall Stairwell and Flooring Restoration	450,000
2021-22	MTSU	Domestic Water and Sewer System's Updates Phase II	1,000,000
2021-22	MTSU	Several Buildings Roof Replacements	750,000
2021-22	MTSU	Elevator Modernization Phase IV	750,000
2021-22	MTSU	Campus Stormwater BMP Phase II	650,000
2021-22	MTSU	Life Safety Fire Alarm System Upgrades Phase III	650,000
2021-22	MTSU	Pump and VFD Replacement	1,200,000
2021-22	MTSU	Chilled Water Valve Replacements Phase II	650,000
2021-22	MTSU	Sidewalk Repair/Replacement Phase I	500,000
2021-22	MTSU	Womack Lane Switchgear Replacement	615,000
2021-22	MTSU	PMH Gear Replacement	738,000
2022-23	MTSU	Several Buildings Roof Replacements	950,000
2022-23	MTSU	Steam/Condensate and Manhole Repair/Replacement Phase IV	2,400,000
2022-23	MTSU	Several Buildings Mechanical and HVAC Upgrades	2,750,000
2022-23	MTSU	Several Buildings Plumbing Upgrades	1,250,000
2022-23	MTSU	Sidewalk Repair/Replacement Phase II	650,000
<b>MTSU Out Years Total</b>			<b>\$ 31,953,000</b>
<b>27 Projects</b>			

**ATTACHMENT VII**  
**THEC Five-Year Plan for Capital Maintenance Projects - Out Years 2019-20 through 2022-23**

<b>Tennessee State University</b>			<b>Total</b>
2019-20	TSU	Safety Upgrade Phase III	\$ 200,000
2019-20	TSU	Several Buiding Fire Alarm Upgrades II	500,000
2019-20	TSU	Several Building Electrical Upgrades Phase III	500,000
2019-20	TSU	Landscape Improvements Phase II	200,000
2019-20	TSU	Torrence Engineering	800,000
2019-20	TSU	Exterior Lighting Repair	100,000
2019-20	TSU	Lawson Hall	150,000
2019-20	TSU	Boswell Chemistry	100,000
2019-20	TSU	Boswell Physics-Math	100,000
2019-20	TSU	CARP	200,000
2019-20	TSU	Clay Education	250,000
2019-20	TSU	Farrell-Westbrook	200,000
2019-20	TSU	General Services	250,000
2019-20	TSU	Hankal Hall	200,000
2019-20	TSU	Outdoor Basketball	100,000
2019-20	TSU	Motor Pool	100,000
2019-20	TSU	Wellness Center	100,000
2019-20	TSU	Controls Infrastructure	500,000
2019-20	TSU	Interior Lighting	500,000
2019-20	TSU	Roofs Repair	500,000
2019-20	TSU	HVAC Repairs	500,000
2019-20	TSU	McMinnville NCRS	150,000
2020-21	TSU	Safety Upgrade Phase III	200,000
2020-21	TSU	Several Building Fire Alarm Upgrades II	500,000
2020-21	TSU	Several Building Electrical Upgrades Phase III	550,000
2020-21	TSU	Landscape Improvements Phase III	200,000
2020-21	TSU	Power Plant Chiller and Tower Replacement	1,600,000
2020-21	TSU	Gentry Center HVAC Upgrades	1,500,000
2020-21	TSU	Humphries Hall	200,000
2020-21	TSU	Clement Hall	200,000
2020-21	TSU	Kean Hall	100,000
2020-21	TSU	Crouch Hall	100,000
2020-21	TSU	Brown-Daniel Library	200,000
2020-21	TSU	Holland Hall	100,000
2020-21	TSU	Torrence Engineering	200,000
2020-21	TSU	Love SSC	100,000
2020-21	TSU	Safety Upgrade	200,000
2020-21	TSU	Safety Upgrade	250,000
2021-22	TSU	Safety Upgrade Phase IV	200,000
2021-22	TSU	Several Building Fire Alarm Upgrades III	500,000

<b>Tennessee State University (continued)</b>			<b>Total</b>
2021-22	TSU	Several Building Electrical Upgrades Phase IV	\$ 550,000
2021-22	TSU	Landscape Improvements Phase IV	200,000
2021-22	TSU	Power Plant Boiler Replacement	2,000,000
2021-22	TSU	Gentry Center Roof Replacement	1,000,000
2021-22	TSU	Gentry Center Lighting Upgrades	1,000,000
2021-22	TSU	MCWherter MEP Upgrades	750,000
2022-23	TSU	Safety Upgrade Phase V	200,000
2022-23	TSU	Several Building Fire Alarm Upgrades IV	500,000
2022-23	TSU	Several Building Electrical Upgrades Phase V	550,000
2022-23	TSU	Landscape Improvements Phase V	200,000
2022-23	TSU	Several Building Roof Replacement	1,500,000
2022-23	TSU	Several Building Envelope and Glazing Upgrades	1,500,000
2022-23	TSU	Road and Parking Lot Upgrades	1,000,000
2022-23	TSU	Strom Sewer Improvements	200,000
2022-23	TSU	Queen Washington HVAC upgrades	150,000
2022-23	TSU	Kean Hall MEP Upgrades	400,000
<b>TSU Out Years Total</b>			<b>\$ 24,800,000</b>

<b>Tennessee Technological University</b>			<b>Total</b>
2019-20	TTU	Several Buildings Roof Replacements	\$ 4,500,000
2019-20	TTU	Several Buildings Upgrades	2,250,000
2019-20	TTU	Building Controls Upgrade Phase I	3,000,000
2020-21	TTU	Several Buildings Upgrades	8,200,000
2020-21	TTU	Several Buildings Roof Replacements	2,000,000
2021-22	TTU	Volpe Library HVAC Upgrades	7,670,000
2021-22	TTU	Building Controls Upgrade Phase II	3,000,000
2022-23	TTU	Derryberry Hall Upgrades	10,000,000
<b>TTU Out Years Total</b>			<b>\$ 40,620,000</b>

<b>University of Memphis</b>			<b>Total</b>
2019-20	UM	Building Code and Safety Upgrades	\$ 3,500,000
2019-20	UM	Lambuth Various Maintenance	3,500,000
2019-20	UM	Dunn, Fieldhouse HVAC	4,550,000
2019-20	UM	Roof Replacment (Engineering, Brister, AOB, Honors, and Others)	4,000,000
2019-20	UM	Wilder Tower Completion	4,900,000
2019-20	UM	Asbestos Abatement	1,000,000
2020-21	UM	Deferred Maintenance Phase II	20,000,000
2021-22	UM	Deferred Maintenance Phase III	20,000,000
2022-23	UM	Deferred Maintenance Phase IV	20,000,000
<b>UM Out Years Total</b>			<b>\$ 81,450,000</b>

## ATTACHMENT VII

### THEC Five-Year Plan for Capital Maintenance Projects - Out Years 2019-20 through 2022-23

University of Tennessee			Total
2019-20	UTK	Fire Safety Upgrades (2018-2019)	\$ 7,500,000
2019-20	UTM	Engineering Physical Sciences (EPS) Systems Upgrades	10,930,000
2019-20	UTHSC	Elevator Upgrades	10,800,000
2019-20	UTC	Pfeiffer Hall Improvements	6,300,000
2019-20	UTIA	CRC/MAST, BESS and JARTU Improvements	5,000,000
2019-20	UTC	Building Envelope Repairs	5,520,000
2019-20	UTK	Window Replacements and Masonry Repairs (2019-2020)	4,500,000
2020-21	UTM	Clement Building Improvements (South and West)	8,340,000
2020-21	UTHSC	Roof Replacements	7,800,000
2020-21	UTM	Sociology Building Improvements	4,420,000
2020-21	UTK	Dabney/Buehler Systems Upgrade	10,000,000
2020-21	UTIA	Morgan Hall Improvements	5,600,000
2020-21	UTC	East Campus Utility Expansion	2,830,000
2020-21	UTHSC	HVAC Upgrades	8,500,000
2021-22	UTM	McCombs Building Improvements	4,870,000
2021-22	UTK	Jessie Harris Systems Upgrades	10,000,000
2021-22	UTC	Brock Hall Improvements	6,350,000
2021-22	UTIA	REC-Livestock Housing Improvements	10,400,000
2021-22	UTHSC	Campus Sidewalk Repairs	2,320,000
2021-22	UTC	Elevator Upgrades	3,650,000
2021-22	UTIA	REC-Paving and Fencing Improvements	8,200,000
2021-22	UTK	Utilities Improvements	10,000,000
2022-23	UTM	Elam Center Upgrades	6,410,000
2022-23	UTK	Steam Plant Improvements	7,000,000
2022-23	UTC	Mapp Building Improvements	2,700,000
2022-23	UTIA	REC Infrastructure Improvements	8,740,000
2022-23	UTM	Campus Restroom Upgrades	2,630,000
2022-23	UTC	Cadek Hall Improvements	5,970,000
2022-23	UTM	Paul Meek Library HVAC Improvements and Chiller Replacement	4,510,000
2022-23	UTK	HVAC Improvements	8,000,000
2022-23	UTIA	REC and 4-H Center Residence Improvements	4,000,000
<b>UT Out Years Total</b>			<b>\$ 203,790,000</b>
<b>31 Projects</b>			

Total Out Year Projects		Total
33	Tennessee Board of Regents	\$ 24,060,000
8	Austin Peay State University	\$ 17,500,000
23	East Tennessee State University	\$ 38,160,000
27	Middle Tennessee State University	\$ 31,953,000
56	Tennessee State University	\$ 24,800,000
8	Tennessee Technological University	\$ 40,620,000
9	University of Memphis	\$ 81,450,000
31	University of Tennessee	\$ 203,790,000
<b>195</b>	<b>Total Capital Maintenance Projects Out Years</b>	<b>\$ 462,333,000</b>

## ATTACHMENT VIII THEC Five-Year Capital Plan 2018-19 through 2022-23

2018-19 (See Detailed Summary in Attachment I)					2019-20					
	Total Project		Total		State Funds Request	Total Project Cost	Projects	Total		State Funds Request
	Cost	Projects	Match Funds <sup>1</sup>	Match Funds <sup>1</sup>						
<b>Capital Maintenance</b>					<b>Capital Maintenance</b>					
TBR	\$ 22,970,000	26	NA	\$ 22,970,000	TBR	\$ 24,060,000	33	NA	\$ 24,060,000	
LGIs	\$ 48,880,000	37	NA	\$ 48,880,000	LGIs	\$ 56,625,000	44	NA	\$ 56,625,000	
UT	\$ 47,480,000	6	NA	\$ 47,480,000	UT	\$ 50,550,000	7	NA	\$ 50,550,000	
Special Initiative	\$ 5,000,000	2	NA	\$ 5,000,000	Special Initiative	\$ -	-	NA	\$ -	
<b>Total</b>	<b>\$ 124,330,000</b>	<b>71</b>	<b>NA</b>	<b>\$ 124,330,000</b>	<b>Total</b>	<b>\$ 131,235,000</b>	<b>84</b>	<b>NA</b>	<b>\$ 131,235,000</b>	
<b>Capital Outlay</b>					<b>Capital Outlay</b>					
TBR	\$ 150,900,000	5	\$ 7,946,000	\$ 142,954,000	TBR	\$ 168,610,000	10	\$ 19,988,000	\$ 148,622,000	
LGIs	\$ 169,600,000	3	\$ 24,900,000	\$ 144,700,000	LGIs	\$ 322,570,000	8	\$ 18,087,000	\$ 304,483,000	
UT	\$ 93,000,000	2	\$ 9,300,000	\$ 83,700,000	UT	\$ 308,680,000	6	\$ 30,913,000	\$ 277,767,000	
<b>Total</b>	<b>\$ 413,500,000</b>	<b>10</b>	<b>\$ 42,146,000</b>	<b>\$ 371,354,000</b>	<b>Total</b>	<b>\$ 799,860,000</b>	<b>24</b>	<b>\$ 68,988,000</b>	<b>\$ 730,872,000</b>	
<b>Full Planning</b>					<b>Full Planning</b>					
TBR	\$ -	-	\$ -	NA	TBR	TBD	-	TBD	NA	
LGIs	\$ -	-	\$ -	NA	LGIs	TBD	-	TBD	NA	
UT	\$ 104,000,000	2	\$ 3,350,000	NA	UT	TBD	-	TBD	NA	
<b>Total</b>	<b>\$ 104,000,000</b>	<b>2</b>	<b>\$ 3,350,000</b>	<b>NA</b>	<b>Total</b>	<b>TBD</b>	<b>-</b>	<b>TBD</b>	<b>NA</b>	
<b>Total Capital Investment<sup>2</sup></b>					<b>Total Capital Investment</b>					
<b>Total Capital Investment<sup>2</sup></b>	<b>\$ 641,830,000</b>	<b>83</b>	<b>\$ 45,496,000</b>	<b>\$ 495,684,000</b>	<b>Total Capital Investment</b>	<b>\$ 931,095,000</b>	<b>108</b>	<b>\$ 68,988,000</b>	<b>\$ 862,107,000</b>	
<b>2020-21</b>					<b>2021-22</b>					
	Total Project		Total		State Funds Request	Total Project Cost	Projects	Total		State Funds Request
	Cost	Projects	Match Funds <sup>1</sup>	Match Funds <sup>1</sup>						
<b>Capital Maintenance</b>					<b>Capital Maintenance</b>					
TBR	\$ -	-	NA	\$ -	TBR	\$ -	-	NA	\$ -	
LGIs	\$ 58,565,000	32	NA	\$ 58,565,000	LGIs	\$ 58,288,000	29	NA	\$ 58,288,000	
UT	\$ 47,490,000	7	NA	\$ 47,490,000	UT	\$ 55,790,000	8	NA	\$ 55,790,000	
<b>Total</b>	<b>\$ 106,055,000</b>	<b>39</b>	<b>NA</b>	<b>\$ 106,055,000</b>	<b>Total</b>	<b>\$ 114,078,000</b>	<b>37</b>	<b>NA</b>	<b>\$ 114,078,000</b>	
<b>Capital Outlay</b>					<b>Capital Outlay</b>					
TBR	\$ -	-	\$ -	\$ -	TBR	\$ -	-	\$ -	\$ -	
LGIs	\$ 104,250,000	3	\$ 3,400,000	\$ 100,850,000	LGIs	\$ 141,000,000	3	\$ 10,695,000	\$ 130,305,000	
UT	\$ 226,900,000	3	\$ 22,690,000	\$ 204,210,000	UT	\$ 166,000,000	2	\$ 2,060,000	\$ 163,940,000	
<b>Total</b>	<b>\$ 331,150,000</b>	<b>6</b>	<b>\$ 26,090,000</b>	<b>\$ 305,060,000</b>	<b>Total</b>	<b>\$ 307,000,000</b>	<b>5</b>	<b>\$ 12,755,000</b>	<b>\$ 294,245,000</b>	
<b>Full Planning</b>					<b>Full Planning</b>					
TBR	TBD	-	TBD	NA	TBR	TBD	-	TBD	NA	
LGIs	TBD	-	TBD	NA	LGIs	TBD	-	TBD	NA	
UT	TBD	-	TBD	NA	UT	TBD	-	TBD	NA	
<b>Total</b>	<b>TBD</b>	<b>-</b>	<b>TBD</b>	<b>NA</b>	<b>Total</b>	<b>TBD</b>	<b>-</b>	<b>TBD</b>	<b>NA</b>	
<b>Total Capital Investment</b>					<b>Total Capital Investment</b>					
<b>Total Capital Investment</b>	<b>\$ 437,205,000</b>	<b>45</b>	<b>\$ 26,090,000</b>	<b>\$ 411,115,000</b>	<b>Total Capital Investment</b>	<b>\$ 421,078,000</b>	<b>42</b>	<b>\$ 12,755,000</b>	<b>\$ 408,323,000</b>	
<b>2022-23</b>					<b>Five-Year Total</b>					
	Total Project		Total		State Funds Request	Total Project Cost	Projects	Total		State Funds Request
	Cost	Projects	Match Funds <sup>1</sup>	Match Funds <sup>1</sup>						
<b>Capital Maintenance</b>					<b>Capital Maintenance</b>					
TBR	\$ -	-	NA	\$ -	TBR	\$ 47,030,000	59	NA	\$ 47,030,000	
LGIs	\$ 59,365,000	26	NA	\$ 59,365,000	LGIs	\$ 281,723,000	168	NA	\$ 281,723,000	
UT	\$ 49,960,000	9	NA	\$ 49,960,000	UT	\$ 251,270,000	37	NA	\$ 251,270,000	
<b>Total</b>	<b>\$ 109,325,000</b>	<b>35</b>	<b>NA</b>	<b>\$ 109,325,000</b>	<b>Total</b>	<b>\$ 580,023,000</b>	<b>264</b>	<b>NA</b>	<b>\$ 580,023,000</b>	
<b>Capital Outlay</b>					<b>Capital Outlay</b>					
TBR	\$ -	-	\$ -	\$ -	TBR	\$ 319,510,000	15	\$ 27,934,000	\$ 291,576,000	
LGIs	\$ 15,400,000	1	\$ -	\$ 15,400,000	LGIs	\$ 752,820,000	18	\$ 57,082,000	\$ 695,738,000	
UT	\$ 66,900,000	2	\$ 1,490,000	\$ 65,410,000	UT	\$ 861,480,000	15	\$ 66,453,000	\$ 795,027,000	
<b>Total</b>	<b>\$ 82,300,000</b>	<b>3</b>	<b>\$ 1,490,000</b>	<b>\$ 80,810,000</b>	<b>Total</b>	<b>\$ 1,933,810,000</b>	<b>48</b>	<b>\$ 151,469,000</b>	<b>\$ 1,782,341,000</b>	
<b>Full Planning</b>					<b>Full Planning</b>					
TBR	TBD	-	TBD	NA	TBR	\$ -	-	\$ -	NA	
LGIs	TBD	-	TBD	NA	LGIs	\$ -	-	\$ -	NA	
UT	TBD	-	TBD	NA	UT	\$ 104,000,000	2	\$ 3,350,000	NA	
<b>Total</b>	<b>TBD</b>	<b>-</b>	<b>TBD</b>	<b>NA</b>	<b>Total</b>	<b>\$ 104,000,000</b>	<b>2</b>	<b>\$ 3,350,000</b>	<b>NA</b>	
<b>Total Capital Investment</b>					<b>Total Capital Investment</b>					
<b>Total Capital Investment<sup>2</sup></b>	<b>\$ 191,625,000</b>	<b>38</b>	<b>\$ 1,490,000</b>	<b>\$ 190,135,000</b>	<b>Total Capital Investment<sup>2</sup></b>	<b>\$ 2,617,833,000</b>	<b>314</b>	<b>\$ 154,819,000</b>	<b>\$ 2,362,364,000</b>	

1 - Match is applicable to the entire scope of each capital outlay project.

2 - Planning funds included in the capital outlay total match funds.