

DATE: November 16, 2016

SUBJECT: 2017-18 Capital Project Recommendations

ACTION RECOMMENDED: Approval

BACKGROUND INFORMATION

Capital projects are broadly categorized according to the scope of the project and funding source. State appropriations fund capital outlay projects, which consist of new construction or significant renovation of existing facilities, as well as capital maintenance projects which repair and replace systems and structures on existing facilities, such as new roofs or HVAC systems. 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 are typically projects related to various auxiliary functions on a campus, such as dorms, parking, or athletics. Since the project must be funded without direct state appropriations, the institution signals its intent to initiate the project and present it for approval at the State Building Commission. This declaration of intent is disclosed to the Governor and the General Assembly, even though no state funding is requested.

RECOMMENDATION SUMMARY

Capital Outlay

The capital outlay recommendation for 2017-18 totals \$339.7 million. As shown in Attachment I, this includes ten projects for the Tennessee Board of Regents (TBR) totaling \$191 million (56 percent of the total), two projects for the University of Tennessee (UT) system totaling \$148.8 million (44 percent of the total).

System-level Capital Outlay Projects

All capital outlay projects include an institutional matching component. The match is applicable to the first \$75 million of the total project cost, for all projects except the UT Martin STEM building, which has a match of 10 percent per a provision in the 2016-17 appropriations bill. Is the intention of THEC that TBR 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 2016-17, five capital outlay projects recommended by THEC were funded, totaling \$187.7 million in state funds. Six additional projects, totaling \$12.9 million, were funded outside of the THEC recommendation.

Capital Maintenance

Tennessee has consistently provided funding for maintenance projects across higher education. Over the last five fiscal years, capital maintenance funding has averaged \$65.1 million per year. In 2016-17, \$74.9 million of the \$153.8 million recommended by THEC in capital maintenance was funded by the General Assembly. A consistent theme discussed within the Capital Task Force—a working group convened by Governor Haslam to develop long-term strategies to address higher education capital and facilities issues—was the critical level of deferred maintenance. Estimates from TBR and UT suggest that nearly \$500 million of deferred maintenance exist in each system. The Capital Task Force agreed, therefore, that Tennessee should continue to appropriately fund capital maintenance.

The 2017-18 recommendation for capital maintenance for TBR and UT is \$163.9 million. As shown in Attachment IV, this includes 72 projects for TBR totaling \$101.7 million — or 62 percent of the total — and 12 projects for UT totaling \$62.2 million — or 38 percent of the total. Meeting this request will allow each system to limit increases in deferred maintenance.

Disclosure of Revenue-Funded Projects

Projects of this nature are funded through institutional funds, the Tennessee State School Bond Authority (TSSBA), auxiliary funds, or sources other than state appropriations. For 2017-18, TBR and UT are disclosing 36 revenue- and TSSBA-funded projects totaling \$175.5 million. As shown in Attachment V, the disclosure list includes 20 revenue-funded projects totaling \$13.5 million for TBR and 11 revenue-funded projects totaling \$16.5 million for UT. UT is also disclosing planning funds for the UTM New Classroom Building (STEM) project totaling \$1.1 million. UT is also disclosing four TSSBA-funded projects, totaling \$144.4 million.

ATTACHMENT I

THEC 2017-18 Capital Projects Recommendation Summary

THEC Priority	Capital Outlay	Total Project Cost	Match Percentage	Total Match Funds ¹	Previous Years Match Funds ²	2017-18 Match Funds	Other Institutional Funds	State Appropriation Request ³
1	TBR Motlow Rutherford County Teaching Addition III	\$ 27,190,000	10%	\$ 2,719,000	\$ 1,392,500	\$ 1,326,500	\$ -	\$ 24,471,000
2	TBR ETSU Lamb Hall Renovation	23,000,000	25%	5,750,000	-	5,750,000	-	17,250,000
3	UT UTM New Classroom Building (STEM) ⁴	65,000,000	10%	6,500,000	-	6,500,000	-	58,500,000
4	TBR Walters Sevier County Campus Addition	12,500,000	10%	1,250,000	460,000	790,000	-	11,250,000
5	TBR Volunteer Warf Building Renovation	4,640,000	10%	464,000	-	464,000	-	4,176,000
6	UT UTK Engineering Services Facility	129,000,000	25%	18,750,000	3,000,000	15,750,000	20,000,000	90,250,000
7	TBR UoM Music Facility	44,000,000	25%	11,000,000	-	11,000,000	4,001,200	28,998,800
8	TBR Columbia Finney Library Renovation	6,100,000	10%	610,000	-	610,000	-	5,490,000
9	TBR TCAT Knoxville Satellite Campus	13,500,000	5%	675,000	-	675,000	-	12,825,000
10	TBR TCAT Memphis Satellite Campus	11,500,000	5%	575,000	-	575,000	-	10,925,000
11	TBR Pellissippi Multi-Purpose Building and Renovations	27,000,000	10%	2,700,000	-	2,700,000	-	24,300,000
12	TBR Statewide TCAT Improvements Phase II	54,000,000	5%	2,700,000	-	2,700,000	-	51,300,000
TBR Total		\$ 223,430,000	5%-25%	\$ 28,443,000	\$ 1,852,500	\$ 26,590,500	\$ 4,001,200	\$ 190,985,800
UT Total		\$ 194,000,000	10%-25%	\$ 25,250,000	\$ 3,000,000	\$ 22,250,000	\$ 20,000,000	\$ 148,750,000

Capital Outlay Planning Funds	Total Project Cost	Match	Total Match Funds ¹	Institutional Planning Funds ⁴	Remaining Match Funds	Other Institutional Funds	State Funds Request
UT UTM New Classroom Building (STEM) ⁴	\$ 65,000,000	10%	\$ 6,500,000	\$ 1,100,000	\$ 5,400,000	NA	NA
UT Total	\$ 65,000,000	10%	\$ 6,500,000	\$ 1,100,000	\$ 5,400,000	NA	NA

Capital Maintenance	Total	Projects	State Funds Request
TBR Total	\$ 101,650,000	72	\$ 101,650,000
UT Total	\$ 62,240,000	12	\$ 62,240,000

Total	Total	Total Match Funds ¹	Total Projects	State Appropriation Request ³
Total Capital Outlay	\$ 417,430,000	\$ 53,693,000	12	\$ 339,735,800
Total Capital Maintenance	\$ 163,890,000	NA	84	\$ 163,890,000
Total Capital Investment⁶	\$ 581,320,000	\$ 53,693,000	96	\$ 503,625,800

1 - Match is required only on the first \$75 million of each capital outlay project. Total Match Funds consist of previous years match funds and 2017-18 match funds.

2 - Institutional funding expended since 2012-13 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 - The 2016-17 General Appropriations Bill included a provision that reduced the match required on UT Martin's STEM building from 25 percent to 10 percent.

5 - Funds disclosed in 2017-18 that will be used to meet the requirements of the match.

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

ATTACHMENT II

2017-18 THEC Capital Outlay Projects Recommendation

THEC Priority	System Priority	Institution	Project Name	A	B	C = A * B	D + E = C		F	G = A - C - F
				2017-18 Project Cost	Match Percentage	Total Match Funds ¹	Previous Years Match Funds ²	2017-18 Match Funds	Other Institutional Funds	State Appropriation Request ³
1	1	Motlow	Rutherford County Teaching Addition III	\$ 27,190,000	10%	\$ 2,719,000	\$ 1,392,500	\$ 1,326,500	\$ -	\$ 24,471,000
2	1	ETSU	Lamb Hall Renovation	\$ 23,000,000	25%	\$ 5,750,000	\$ -	\$ 5,750,000	\$ -	\$ 17,250,000
3	1	UTM	New Classroom Building (STEM) ⁴	\$ 65,000,000	10%	\$ 6,500,000	\$ -	\$ 6,500,000	\$ -	\$ 58,500,000
4	2	Walters	Sevier County Campus Addition	\$ 12,500,000	10%	\$ 1,250,000	\$ 460,000	\$ 790,000	\$ -	\$ 11,250,000
5	3	Volunteer	Warf Building Renovation	\$ 4,640,000	10%	\$ 464,000	\$ -	\$ 464,000	\$ -	\$ 4,176,000
6	2	UTK	Engineering Services Facility	\$ 129,000,000	25%	\$ 18,750,000	\$ 3,000,000	\$ 15,750,000	\$ 20,000,000	\$ 90,250,000
7	2	UoM	Music Facility	\$ 44,000,000	25%	\$ 11,000,000	\$ -	\$ 11,000,000	\$ 4,001,200	\$ 28,998,800
8	4	Columbia	Finney Library Renovation	\$ 6,100,000	10%	\$ 610,000	\$ -	\$ 610,000	\$ -	\$ 5,490,000
9	5	TCAT Knoxville	Satellite Campus	\$ 13,500,000	5%	\$ 675,000	\$ -	\$ 675,000	\$ -	\$ 12,825,000
10	6	TCAT Memphis	Satellite Campus	\$ 11,500,000	5%	\$ 575,000	\$ -	\$ 575,000	\$ -	\$ 10,925,000
11	7	Pellissippi	Multi-Purpose Building and Renovations	\$ 27,000,000	10%	\$ 2,700,000	\$ -	\$ 2,700,000	\$ -	\$ 24,300,000
12	8	Statewide	TCAT Improvements Phase II	\$ 54,000,000	5%	\$ 2,700,000	\$ -	\$ 2,700,000	\$ -	\$ 51,300,000
2017-18 TBR Total				\$ 223,430,000	5%-25%	\$ 28,443,000	\$ 1,852,500	\$ 26,590,500	\$ 4,001,200	\$ 190,985,800
2017-18 UT Total				\$ 194,000,000	10%-25%	\$ 25,250,000	\$ 3,000,000	\$ 22,250,000	\$ 20,000,000	\$ 148,750,000
2017-18 THEC Capital Outlay Projects Recommendation				\$ 417,430,000	5%-25%	\$ 53,693,000	\$ 4,852,500	\$ 48,840,500	\$ 24,001,200	\$ 339,735,800

1 - Match is required only on the first \$75 million of each capital outlay project. Total Match Funds consists of previous years match funds and 2017-18 match funds.

2 - Institutional funding expended since 2012-13 for project planning.

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

4 - The 2016-17 General Appropriations Bill included a provision that reduced the match required on UT Martin's STEM building from 25 percent to 10 percent.

ATTACHMENT III
THEC 2017-18 Capital Outlay Projects Descriptions

THEC Priority	System Priority	System	Institution	Project Name	Total Project Cost	State Request	Project Description
1	1	TBR	Motlow	Rutherford County Teaching Addition III	\$ 27,190,000	\$ 24,471,000	Construct a third building at the Rutherford County (Smyrna) center. Project to include parking and renovations of existing facilities.
2	1	TBR	ETSU	Lamb Hall Renovation	\$ 23,000,000	\$ 17,250,000	To renovate the facility for changing academic program needs. The project is needed to accommodate academic programs in the College of Public and Allied Health. The renovation will include classrooms, multi-media classrooms, class laboratories and research.
3	1	UT	UTM	New Classroom Building (STEM)	\$ 65,000,000	\$ 58,500,000	This project will provide for the construction of a new 120,000 square foot classroom/lab building. The new building will serve as the home to the Engineering, Chemistry, Computer Science, Math & Statistics and Physics departments. Also included is the demolition of the ITV Communications Building.
4	2	TBR	Walters	Sevier County Campus Addition	\$ 12,500,000	\$ 11,250,000	Construct a new building for Allied Health Labs, additional classrooms and professional entertainment labs. Construct additional buildings or make renovations to accommodate mechanical systems. Renovate areas relocated due to new construction.
5	3	TBR	Volunteer	Warf Building Renovation	\$ 4,640,000	\$ 4,176,000	Modernize Warf Building and update infrastructure.
6	2	UT	UTK	Engineering Services Facility	\$ 129,000,000	\$ 90,250,000	This project will provide spaces for student services for the College of Engineering and research and instructional space for the Nuclear Engineering Department. The building location will be in the vicinity of Berry Hall, Estabrook Hall and Pasqua buildings and require the demolition and/or repurposing of these buildings.
7	2	TBR	UoM	Music Facility	\$ 44,000,000	\$ 28,998,800	The Music Center will accommodate the Rudi E. Scheidt School of Music. The project will provide music majors the exposure and contacts to world class performers. The project is being jointly funded from state and private / community gifts. A 1,000 to 1,100 seat main hall with excellent acoustics will be capable of various functions including opera, ballet, symphonic and other performances.
8	4	TBR	Columbia	Finney Library Renovation	\$ 6,100,000	\$ 5,490,000	Renovate Library to become the hub of learning activity by better serving the needs of today's technology-driven students. This project will also include updates and replacements of key building components including HVAC, roof, elevator, restrooms, electrical distribution, life safety systems and exterior lighting to ensure building is in compliance with all current codes.
9	5	TBR	TCAT Knoxville	Satellite Campus	\$ 13,500,000	\$ 12,825,000	Build a satellite campus, offering programs in Welding, Machine Tool, Diesel, Truck Driving, Automotive, Industrial Maintenance and Special Industry training.
10	6	TBR	TCAT Memphis	Satellite Campus	\$ 11,500,000	\$ 10,925,000	Build a new satellite campus for programs focusing on the medical device manufacturing industry. Programs will include Machining, Welding and Industrial Maintenance.
11	7	TBR	Pellissippi	Multi-Purpose Building and Renovations	\$ 27,000,000	\$ 24,300,000	Construct Multi-Purpose Building for academic classrooms, science and other class labs, and faculty offices. All modular buildings will be removed. Art space now in Bagwell will be relocated to vacated science lab space in the Alexander building, with the vacated Art space converted to Media Technology. Some space in Alexander will be renovated for Theatre support.
12	8	TBR	Statewide	TCAT Improvements Phase II	\$ 54,000,000	\$ 51,300,000	Provide program expansion and improvements at TCATs statewide, including minor enhancements in accordance with the TCAT Master Plan.

ATTACHMENT IV

THEC 2017-18 Capital Maintenance Projects Recommendation

TENNESSEE BOARD OF REGENTS		Total
Statewide	TCAT Building System Updates Phase I	\$ 850,000
ETSU	Safety and Structural Repairs	2,500,000
UoM	Roof Replacements	3,500,000
Walters	Several Buildings Re-roofing	650,000
Statewide	TCAT Roof Replacements Phase I	1,050,000
APSU	Roof Replacements	1,800,000
Northeast	Library Roof Replacement	390,000
Chattanooga	CETAS Building Roof Replacement	1,430,000
Southwest	Roof Replacements and Envelope Repairs	1,550,000
Volunteer	Campus Underground Utility Upgrade	250,000
MTSU	Alarm System Updates	2,820,000
Roane	Electrical and Fire Suppression Upgrades	530,000
ETSU	CoM Building 178 HVAC and Controls Upgrade	1,600,000
Pellissippi	HVAC Updates	850,000
Jackson	Nelms Classroom Building HVAC Updates	610,000
Columbia	Several Buildings Infrastructure Updates	750,000
Statewide	TCAT MPE and Infrastructure Updates Phase I	2,660,000
Motlow	Underground Utility Lines Replacement	1,160,000
Cleveland	Parking Lot Improvements	380,000
Dyersburg	Door and Hardware Updates	320,000
TTU	Waterproof & Exterior Repairs	3,120,000
Nashville	Sidewalk and Lighting Improvements	750,000
Statewide	TCAT Parking and Paving Repairs Phase II	2,790,000
TSU	Migration Implementation 17.1	2,620,000
Volunteer	Annex Complex Envelope Repairs	260,000
Walters	Mechanical and Electrical Updates	900,000
Jackson	Science Building Roof Replacement	390,000
Northeast	General Studies Roof Replacement	600,000
UoM	Jones and Browning HVAC Updates	3,500,000
MTSU	Piping and Manhole Replacement	1,900,000
Pellissippi	Chiller Replacement	520,000
Dyersburg	Elevator Updates	360,000
Southwest	Mechanical System Updates	1,550,000
Roane	Campus-wide Paving	550,000
Volunteer	Parking, Road and Site Upgrades	730,000
Columbia	Exterior Repairs	270,000
TSU	Migration Implementation 17.2	2,610,000
Volunteer	Woods Building Restroom Renovations	370,000
TTU	Roof Replacements	3,120,000
MTSU	Roof Replacements	1,790,000
Statewide	TCAT Roof Replacements Phase II	1,150,000
UoM	Mitchell and Clement HVAC Updates	3,500,000
MTSU	Keathley University Center Mechanical and HVAC Upgrades	1,750,000
ETSU	Valleybrook Building Systems Replacement	3,000,000
UoM	Ellington and Ball HVAC Updates	3,500,000
APSU	Central Chiller Plant Repairs	1,800,000
Cleveland	Central Plant Modernization	750,000
ETSU	Com Several Buildings HVAC System Upgrades	1,600,000
MTSU	Elevator Modernizations	700,000
Nashville	Access Control and Locking Updates	750,000

ATTACHMENT IV

THEC 2017-18 Capital Maintenance Projects Recommendation

TENNESSEE BOARD OF REGENTS (CONTINUED)		Total
MTSU	Domestic Water-Sewer System Updates	\$ 900,000
Walters	Greeneville Campus Mechanical Corrections	950,000
Columbia	Powerhouse System Repairs	380,000
Jackson	Fire Alarm Updates	600,000
Statewide	TCAT MPE and Infrastructure Updates Phase II	860,000
Pellissippi	Window Replacements	300,000
TSU	Entrance Colonnade Repairs 17.1	2,500,000
Roane	Building Envelope Repairs	760,000
Dyersburg	Pavement Repairs	100,000
Chattanooga	CETAS Interior Modifications	2,500,000
Statewide	TCAT Building System Updates Phase II	850,000
ETSU	Roof Replacements	2,750,000
MTSU	Miller Education Center Roof Replacement	800,000
Volunteer	Pickel Roof Replacement	470,000
MTSU	Stark AG Mechanical Updates	1,560,000
UoM	Boiler and Piping Updates	3,500,000
APSU	Fire Alarm Replacement	1,800,000
ETSU	Com Clinical Education Building HVAC Upgrades	2,000,000
ETSU	Shelbridge Updates	500,000
Motlow	Power Plant Boiler Update	1,020,000
UoM	Building Envelope Repairs	3,500,000
Columbia	Exterior Lighting Updates	200,000
2017-18 TBR Total		\$ 101,650,000

UNIVERSITY OF TENNESSEE		Total
UTK	HVAC Improvements	\$ 5,500,000
UTC	West Campus Utility Connections	5,630,000
UTM	Fine Arts AHU Replacement & Theater Safety Upgrade	3,260,000
UTHSC	GEB Improvements - Phase II	8,300,000
UTIA	Ridley 4-H Center Improvements	4,950,000
UTC	Fine Arts Mechanical & Electrical Improvements	8,400,000
UTK/UTSI	UTSI Building Improvements Phase II	3,000,000
UTM	Upgrade Steam Lines Phase II	5,300,000
UTIA	Clyde York 4-H Center Improvements	1,100,000
UTHSC	Campus Restroom Upgrades	6,500,000
UTK	Utilities Improvements	5,000,000
UTC	Building Envelope Repairs	5,300,000
2017-18 UT Total		\$ 62,240,000

	Projects	Total
TBR	72	\$ 101,650,000
UT	12	\$ 62,240,000
Total	84	\$ 163,890,000

ATTACHMENT V

THEC 2017-18 Disclosure of Revenue-Funded Capital Projects

TENNESSEE BOARD OF REGENTS

Institution	Project	Funding Source	Project Cost	New Sq.Ft.	Gifts	Auxiliary	Operating
APSU	Farm Residence	Plant Funds - Non-Auxiliary	\$ 340,000	2,600	\$ -	\$ -	\$ 340,000
APSU	Jenkins & Wynn Property Improvements	Plant Funds - Non-Auxiliary	\$ 2,500,000	0	\$ -	\$ -	\$ 2,500,000
TSU	Research Administration Facility	Plant Funds - Non-Auxiliary	\$ 430,000	3,000	\$ -	\$ -	\$ 430,000
UoM	Baseball Addition	Gifts	\$ 450,000	5,000	\$ 450,000	\$ -	\$ -
UoM	Engineering Student Service Improvements	Gifts	\$ 1,000,000	0	\$ 1,000,000	\$ -	\$ -
UoM	Fieldhouse Gym Improvements	Plant Funds - Non-Auxiliary	\$ 800,000	0	\$ -	\$ -	\$ 800,000
UoM	Research Start-up Improvements	Plant Funds - Non-Auxiliary	\$ 1,500,000	0	\$ -	\$ -	\$ 1,500,000
Motlow	Athletic Field Upgrades	Plant Funds - Non-Auxiliary and Gifts	\$ 480,000	0	\$ 180,000	\$ -	\$ 300,000
Northeast	Student Services Addition	Plant Funds - Non-Auxiliary	\$ 450,000	2,500	\$ -	\$ -	\$ 450,000
Pellissippi	Drainage and Landscaping Repairs	Plant Funds - Non-Auxiliary	\$ 250,000	0	\$ -	\$ -	\$ 250,000
Pellissippi	Hardin Valley Space Utilization Renovations	Plant Funds - Non-Auxiliary	\$ 320,000	0	\$ -	\$ -	\$ 320,000
Pellissippi	Magnolia Print Shop Renovation	Plant Funds - Non-Auxiliary	\$ 150,000	0	\$ -	\$ -	\$ 150,000
Pellissippi	Strawberry Plains Campus Build-out	Plant Funds - Non-Auxiliary	\$ 2,000,000	0	\$ -	\$ -	\$ 2,000,000
Pellissippi	Strawberry Plains Fitness Trail	Plant Funds - Non-Auxiliary	\$ 490,000	0	\$ -	\$ -	\$ 490,000
Pellissippi	Strawberry Plains Roadway	Plant Funds - Non-Auxiliary	\$ 320,000	0	\$ -	\$ -	\$ 320,000
Roane	Baseball and Softball Complex Improvements	Plant Funds - Non-Auxiliary	\$ 590,000	6,000	\$ -	\$ -	\$ 590,000
Roane	Maintenance Equipment Building	Plant Funds - Non-Auxiliary	\$ 110,000	2,000	\$ -	\$ -	\$ 110,000
Volunteer	Ramer Renovations Phase I	Plant Funds - Non-Auxiliary	\$ 500,000	0	\$ -	\$ -	\$ 500,000
Volunteer	Ramer Renovations Phase II	Plant Funds - Non-Auxiliary	\$ 480,000	0	\$ -	\$ -	\$ 480,000
Volunteer	ADA Accessibility Enhancements	Plant Funds - Non-Auxiliary	\$ 310,000	0	\$ -	\$ -	\$ 310,000
20 Projects	TOTAL TBR REVENUE-FUNDED PROJECTS DISCLOSED		\$ 13,470,000	21,100	\$ 1,630,000	\$ -	\$ 11,840,000

ATTACHMENT V

THEC 2017-18 Disclosure of Revenue-Funded Capital Projects

UNIVERSITY OF TENNESSEE

Institution	Project	Funding Source	Project Cost	New Sq.Ft.	Gifts	Auxiliary	Operating
UTK	Campus Beautification Projects (2017-2018)	Plant Funds - Non-Auxiliary (Student Fees)	\$ 2,000,000	0	\$ -	\$ -	\$ 2,000,000
UTK	Concord Campus Renovations	Plant Funds - Non-Auxiliary	\$ 1,000,000	0	\$ -	\$ -	\$ 1,000,000
UTK	Dining Services Improvements (2017-2018)	Plant Funds - Auxiliary (Dining)	\$ 500,000	0	\$ -	\$ 500,000	\$ -
UTK	Housing Facilities Improvements (2017-2018)	Plant Funds - Auxiliary (Housing)	\$ 2,000,000	0	\$ -	\$ 2,000,000	\$ -
UTK	Neyland Thompson North End Plaza	Plant Funds - Auxiliary (Athletics)	\$ 1,000,000	0	\$ -	\$ 1,000,000	\$ -
UTK	Parking System Repairs	Plant Funds - Auxiliary (Parking)	\$ 1,000,000	0	\$ -	\$ 1,000,000	\$ -
UTK	Thornton Student Life Center Renovations	Plant Funds - Auxiliary (Athletics)	\$ 1,000,000	0	\$ -	\$ 1,000,000	\$ -
UTM	Beef Cattle Teaching & Demonstration Facility	Plant Funds - Non-Auxiliary	\$ 860,000	10,000	\$ -	\$ -	\$ 860,000
UTM	Innovation & Product Realization Facility	Gifts	\$ 5,320,000	25,000	\$ 5,320,000	\$ -	\$ -
UTM	Storm & Sewer Line Upgrades	Plant Funds - Non-Auxiliary	\$ 1,000,000	0	\$ -	\$ -	\$ 1,000,000
UT System	Facilities Assessment Survey	Plant Funds - Non-Auxiliary	\$ 850,000	0	\$ -	\$ -	\$ 850,000

11 Projects	TOTAL UT REVENUE-FUNDED PROJECTS DISCLOSED		\$ 16,530,000	35,000	\$ 5,320,000	\$ 5,500,000	\$ 5,710,000
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CAPITAL OUTLAY MATCH FUNDS

Institution	Project	Funding Source	Project Cost	New Sq.Ft.	Gifts	Auxiliary	Operating
UTM	New Classroom Building (STEM) - Planning	Gifts	\$ 1,100,000	120,000	\$ 1,100,000	\$ -	\$ -

1 Project	TOTAL REVENUE-FUNDED CAPITAL OUTLAY MATCH FUNDS DISCLOSED		\$ 1,100,000	120,000	\$ 1,100,000	\$ -	\$ -
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ATTACHMENT V
THEC 2017-18 Disclosure of Tennessee State School Bond Authority Funded Capital Projects

UNIVERSITY OF TENNESSEE									
Institution	Project	Funding Source	Project Cost	New Sq.Ft.	TSSBA	Gifts	Auxiliary	Operating	
UTHSC	Parking Garage - UT Medical Center	TSSBA (Student Fees and Lease Revenue)	\$ 22,000,000	450,000	\$ 22,000,000	\$ -	\$ -	\$ -	
UTK	Arena Renovations and System Improvements	TSSBA (Athletics) and Gifts	\$ 7,440,000	0	\$ 6,640,000	\$ 800,000	\$ -	\$ -	
UTK	Campus Beautification (JW Mall Ext. & West Campus)	TSSBA (Facilities Fees)	\$ 9,000,000	0	\$ 9,000,000	\$ -	\$ -	\$ -	
UTK	Neyland Stadium South Renovations	TSSBA (Athletics), Plant Funds - Auxiliary (Athletics) and Gifts	\$ 106,000,000	0	\$ 81,000,000	\$ 10,000,000	\$ 15,000,000	\$ -	
4 Projects	TOTAL UT TSSBA-FUNDED PROJECTS DISCLOSED		\$ 144,440,000	450,000	\$ 118,640,000	\$ 10,800,000	\$ 15,000,000	\$ -	
36 Projects	TOTAL REVENUE- & TSSBA-FUNDED PROJECTS DISCLOSED		\$ 175,540,000	626,100	\$ 118,640,000	\$ 18,850,000	\$ 20,500,000	\$ 17,550,000	

ATTACHMENT VI
THEC Five-Year Plan for Capital Projects - Out Years Summary
2018-19 through 2021-22

		A	B	C	D = (A * B) - C	E = A - C - D
		Total	Target	Planning	Match Funds	State Funds
TBR Capital Outlay Out Years		Project Cost	Match	Funds¹	Less Planning²	Request
MTSU	Academic Classroom Building	\$ 30,500,000	25%	\$ 1,600,000	\$ 6,025,000	\$ 22,875,000
Cleveland	Campus Building Renovations/Replacement	48,750,000	10%	TBD from Match	\$ 4,875,000	\$ 43,875,000
TBR Total		\$ 79,250,000	10%-25%	TBD from Match	\$ 10,900,000	\$ 66,750,000

		Total	Target	Planning	Match Funds	State Funds
UT Capital Outlay Out Years		Total	Match	Funds¹	Less Planning²	Request
UTIA	Energy & Environmental Science Research Center (Ellington)	\$ 82,430,000	10%	\$ 2,000,000	\$ 5,500,000	\$ 74,930,000
UTK	Academic & Instructional Support Facility (Melrose Hall Site)	97,500,000	25%	2,000,000	16,750,000	78,750,000
UTIA	Vet Med. Teaching and Learning Center	8,750,000	10%	TBD from Match	875,000	7,875,000
UTK	Nursing Building Renovation and Addition	55,000,000	25%	TBD from Match	13,750,000	41,250,000
UTC	Health Sciences Building (UTC/UTHSC)	95,000,000	25%	TBD from Match	18,750,000	76,250,000
UTM	Fine Arts Music Hall & Theater Renovation	20,040,000	25%	TBD from Match	5,010,000	15,030,000
UTIA	Interdisciplinary Research & Education Greenhouses	4,650,000	10%	TBD from Match	465,000	4,185,000
UTK	Lab Building Renovations (Buehler & Austin Peay)	55,000,000	25%	TBD from Match	13,750,000	41,250,000
UTC	Maclellan Renovation	25,200,000	25%	TBD from Match	6,300,000	18,900,000
UTHSC	Medicine/Administration Building	99,000,000	10%	TBD from Match	7,500,000	91,500,000
UTIA	ETREC-Organic Crops & Beneficial Insect Unit Improvements	3,700,000	10%	TBD from Match	370,000	3,330,000
UTK	Academic Support Facility Renovation (Hoskins Library)	60,000,000	25%	TBD from Match	15,000,000	45,000,000
UTC	Hunter Hall Renovations	15,100,000	25%	TBD from Match	3,775,000	11,325,000
UTK	Classroom & Laboratory Facility (Harris Building)	49,000,000	25%	TBD from Match	12,250,000	36,750,000
UTHSC	Health Science Center Building - St Thomas Campus	56,500,000	10%	TBD from Match	5,650,000	50,850,000
UTIA	4-H Center STEM Education and Staff Housing Facilities	13,250,000	10%	TBD from Match	1,325,000	11,925,000
UT Total		\$ 740,120,000	10% - 25%	TBD from Match	\$ 127,020,000	\$ 609,100,000

		Total	Target	Planning	Match Funds	State Funds
Capital Maintenance Out Years		Total	Match	Funds¹	Less Planning²	Request
TBR Total		\$ 109,230,000	NA	NA	NA	\$ 109,230,000
UT Total		\$ 341,960,000	NA	NA	NA	\$ 341,960,000

		Total	Target	Institution Funds		State Funds
Total Out Years		Total	Match	Planning	Match Funds	Request
				Funds¹	Less Planning²	
Total Capital Outlay Out Years 2018-19 through 2021-22		\$ 819,370,000	10%-25%	TBD from Match	\$ 137,920,000	\$ 675,850,000
Total Capital Maintenance Out Years 2018-19 through 2021-22		\$ 451,190,000	NA	NA	NA	\$ 451,190,000
Total Capital Investment 2018-19 through 2021-22		\$ 1,270,560,000	10% - 25%	TBD from Match	\$ 137,920,000	\$ 1,127,040,000

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 required only on the first \$75 million of each capital outlay project.

ATTACHMENT VII

THEC Five-Year Plan for Capital Maintenance Projects - Out Years 2018-19 through 2021-22

Tennessee Board of Regents			Total
2018-19	TSU	Entrance Colonnade Repairs 17.2	\$ 2,500,000
2018-19	TTU	Several Buildings Upgrades Phase II.a.	3,120,000
2018-19	UoM	Building Code and Safety Updates	3,500,000
2018-19	Cleveland	Campus Safety Update	750,000
2018-19	MTSU	Plumbing and Restroom Updates	1,500,000
2018-19	Roane	Dunbar Elevator Replacement	480,000
2018-19	TSU	HVAC Updates	1,750,000
2018-19	Chattanooga	Computer Center Emergency Generator	1,200,000
2018-19	APSU	Dunn Center HVAC Replacement	4,800,000
2018-19	ETSU	ComBuildings #2 and #4 Window Replacements	1,250,000
2018-19	Walters	Claiborne County Exterior Remediation	950,000
2018-19	Statewide	TCAT Parking and Paving Repairs Phase III	1,240,000
2018-19	Columbia	Restroom Updates	110,000
2018-19	TTU	Several Buildings Upgrades Phase II.b.	3,120,000
2018-19	ETSU	Accessibility and Code Corrections	2,000,000
2018-19	TSU	Life Safety/ADA Updates	1,000,000
2018-19	TCAT Hartsville	Security System Updates	200,000
2018-19	MTSU	Alarm System Updates Phase II	2,000,000
2018-19	ETSU	Dome Code Updates	2,500,000
2018-19	UoM	Asbestos Abatement	1,000,000
2018-19	MTSU	Maintenance Complex Roof Replacements	850,000
2018-19	Walters	Sevier County Roof Replacement	730,000
2018-19	TSU	McMinnville Campus Roof and Envelope Repairs	2,500,000
2018-19	MTSU	Tower Mechanical Updates	250,000
2018-19	UoM	Lambuth Maintenance Updates	3,000,000
2018-19	UoM	Dunn and Fieldhouse HVAC Updates	4,550,000
2018-19	Statewide	TCAT MPE and Infrastructure Updates 17.3	850,000
2018-19	MTSU	Campus Stormwater Plan	880,000
2018-19	TTU	Roadeen Center Mechanical and Interior Updates	3,120,000
2018-19	ETSU	Water Line Repairs	2,200,000
2018-19	TCAT Memphis	Energy Management Updates	170,000
2018-19	TCAT Whiteville	Building Access and Security Updates	120,000
2018-19	ETSU	Mechanical Repair & Replacement	2,200,000
2019-20	TTU	Derryberry Hall Systems Updates	3,120,000
2019-20	ETSU	Electrical Repair & Replacement	2,500,000
2019-20	Motlow	Fayetteville Campus Geothermal Modernization	610,000
2019-20	ETSU	Several Buildings Systems Repair	1,000,000
2019-20	TSU	Plumbing Updates	2,500,000
2019-20	APSU	Kimbrough HVAC Replacement	2,250,000
2019-20	TTU	Health & P.E. Bldg. Mech. Replacement	3,120,000
2019-20	TSU	Tunnel Utility Piping Repairs	2,500,000
2019-20	Motlow	McMinnville Campus Geothermal Modernization	730,000
2019-20	TSU	Underground Utility Updates	2,500,000

Tennessee Board of Regents (continued)			Total
2020-21	TSU	Electrical Distribution Updates	\$ 2,500,000
2020-21	TSU	IT Infrastructure Updates	2,500,000
2020-21	TSU	HVAC Updates	2,500,000
2020-21	TSU	Plumbing Corrections	2,500,000
2020-21	MTSU	Sidewalk Repair/Replacement	620,000
2020-21	TSU	Campus Window Replacements	1,500,000
2020-21	Statewide	TCAT Parking and Paving Repairs Phase IV	1,100,000
2020-21	TCAT Oneida	Oneida Parking Lot Updates	120,000
2020-21	TCAT Paris	Parking Lots Resurfacing	260,000
2020-21	TCAT Whiteville	Masonry Repairs	100,000
2021-22	TCAT Memphis	Landscaping Updates	80,000
2021-22	TSU	Access Control and Locking Updates	3,000,000
2021-22	TSU	Campus Center Updates	2,500,000
2021-22	Motlow	Parking and Roadway Repairs	1,010,000
2021-22	TSU	Street and Parking Updates	2,500,000
2021-22	TSU	Exterior Repairs	2,500,000
2021-22	MTSU	Peck Hall Stairwell & Flooring Restoration	450,000
2021-22	UoM	Wilder Tower Completion	4,900,000
2021-22	Statewide	TCAT Maintenance Repairs and Corrections	800,000
2021-22	Motlow	Interior Updates	570,000
TBR Out Years Total			\$ 109,230,000

ATTACHMENT VII
THEC Five-Year Plan for Capital Maintenance Projects - Out Years 2018-19 through 2021-22

University of Tennessee			Total
2018-19	UTIA	College of Vet. Medicine Bldg. & Cherokee Lab Improvements	\$ 4,100,000
2018-19	UTM	EPS Improvements - Phase II	3,660,000
2018-19	UTHSC	Elevator Upgrades	5,130,000
2018-19	UTK	Fire Safety Upgrades - Phase II	7,500,000
2018-19	UTC	Elevator Upgrades	3,500,000
2018-19	UTIA	CRC/MAST Building Improvements	650,000
2018-19	UTM	Paul Meek Library HVAC Improvements	4,380,000
2018-19	UTHSC	Roof Replacements	7,600,000
2018-19	UTK	Window Replacements and Masonry Repairs	4,500,000
2018-19	UTC	Pfeiffer Hall Improvements	4,900,000
2018-19	UTM	Sociology Building System Upgrades	4,420,000
2018-19	UTIA	REC - Livestock Housing Improvements	10,000,000
2018-19	UTHSC	Campus Sidewalk Repairs	2,200,000
2019-20	UTC	Mapp Building Improvements	2,300,000
2019-20	UTM	Clement Building System Improvements Phase II	7,660,000
2019-20	UTK	Steam Plant Improvements	6,000,000
2019-20	UTIA	REC - Paving & Fencing Improvements	8,000,000
2019-20	UTC	Cadek Hall Improvements	4,500,000
2019-20	UTK	HVAC Improvements	8,000,000
2019-20	UTM	McCombs Systems Upgrades	4,740,000
2019-20	UTIA	REC - Infrastructure Improvements	8,350,000
2019-20	UTK	Water Distribution Systems Improvements	10,000,000
2019-20	UTC	Roof Replacements	4,500,000
2019-20	UTM	EPS Improvements - Phase III	8,810,000
2019-20	UTIA	REC - Livestock Waste Handling Improvements	1,400,000
2019-20	UTK	Utility and Energy Conservation Measures	10,000,000
2019-20	UTC	Brock Hall Improvements	4,500,000
2020-21	UTM	Hall Moody Systems Upgrade	9,120,000
2020-21	UTIA	REC - Feed Storage and Livestock Feeding System Improvements	1,150,000
2020-21	UTK	Asbestos Removal	8,000,000
2020-21	UTC	801 McCallie Improvements	2,500,000
2020-21	UTM	Campus Restroom Upgrades	2,510,000
2020-21	UTIA	REC & 4-H Employee Residence Improvements	4,000,000
2020-21	UTK	Window Replacements and Masonry Repair	8,000,000
2020-21	UTC	Electrical Improvements	1,800,000
2020-21	UTM	Ag Teaching Facilities Upgrade	2,640,000
2020-21	UTK	HVAC Improvements	6,500,000
2020-21	UTM	Tom and Kathleen Elam Center HVAC Upgrade Phase II	6,050,000
2020-21	UTC	Patten & Danforth Chapels Interior Improvements	3,400,000

University of Tennessee (continued)			Total
2020-21	UTK	HVAC Controls Systems Consolidation	\$ 9,000,000
2020-21	UTM	West TN Ag Pavilion-Stalling Facility HVAC Upgrade	3,760,000
2020-21	UTK	Electrical Distribution Improvements	14,000,000
2020-21	UTM	Campus Wide Energy Management System Upgrades	2,760,000
2020-21	UTK	Elevator Upgrades	6,000,000
2021-22	UTM	EPS Improvements - Ph IV	10,650,000
2021-22	UTK	Steam Distribution System Improvements Ph V	6,000,000
2021-22	UTM	Elam Center Arena Lighting Upgrade	1,370,000
2021-22	UTK	Flooring Replacement	5,000,000
2021-22	UTM	Elam Center Pool Repair	2,360,000
2021-22	UTK	HVAC Improvements	13,000,000
2021-22	UTM	Storm & Sewer Line Upgrades	5,090,000
2021-22	UTK	Andy Holt Tower Systems Upgrade	6,000,000
2021-22	UTK	Communications & Student Services Systems Upgrades	12,000,000
2021-22	UTK	Conference Center Systems Improvements	12,000,000
2021-22	UTK	Dunford Hall Systems Upgrade	6,000,000
2021-22	UTK	Health Physical Education and Recreation Systems Upgrades	8,000,000
2021-22	UTK	McClung Museum Systems Upgrade	6,000,000
2021-22	UTK	Nielsen Physics Systems Upgrades	6,000,000
UT Out Years Total		58 Projects	\$ 341,960,000

Projects		Total
63	TBR Total Capital Maintenance Projects Out Years	\$ 109,230,000
58	UT Total Capital Maintenance Projects Out Years	\$ 341,960,000
121	Total Capital Maintenance Projects Out Years	\$ 451,190,000

ATTACHMENT VIII

THEC Five-Year Capital Plan

2017-18 through 2021-22

2017-18 (See Detailed Summary in Attachment I)

	Total Project		Total	State Funds
	Cost	Projects	Match Funds ¹	Request
Capital Maintenance				
TBR	\$ 101,650,000	72	NA	\$ 101,650,000
UT	\$ 62,240,000	12	NA	\$ 62,240,000
Total	\$ 163,890,000	84	NA	\$ 163,890,000
Capital Outlay				
Statewide	\$ -	-	\$ -	\$ -
TBR	\$ 223,430,000	10	\$ 28,443,000	\$ 190,985,800
UT	\$ 194,000,000	2	\$ 25,250,000	\$ 148,750,000
Total	\$ 417,430,000	12	\$ 53,693,000	\$ 339,735,800
Full Planning				
TBR	\$ -	-	\$ -	NA
UT	\$ 65,000,000	1	\$ 1,100,000	NA
Total	\$ 65,000,000	1	\$ 1,100,000	NA
Total Capital Investment²				
	\$ 581,320,000	96	\$ 53,693,000	\$ 503,625,800

2018-19

	Total Project		Total	State Funds
	Cost	Projects	Match Funds ¹	Request
Capital Maintenance				
TBR	\$ 56,390,000	33	NA	\$ 56,390,000
UT	\$ 62,540,000	13	NA	\$ 62,540,000
Total	\$ 118,930,000	46	NA	\$ 118,930,000
Capital Outlay				
Statewide	\$ -	-	\$ -	\$ -
TBR	\$ 79,250,000	2	\$ 12,500,000	\$ 66,750,000
UT	\$ 358,720,000	6	\$ 64,635,000	\$ 294,085,000
Total	\$ 437,970,000	8	\$ 77,135,000	\$ 360,835,000
Full Planning				
TBR	TBD	-	TBD	NA
UT	TBD	-	TBD	NA
Total	TBD	-	TBD	NA
Total Capital Investment				
	\$ 556,900,000	54	\$ 77,135,000	\$ 479,765,000

2019-20

	Total Project		Total	State Funds
	Cost	Projects	Match Funds ¹	Request
Capital Maintenance				
TBR	\$ 20,830,000	10	NA	\$ 20,830,000
UT	\$ 88,760,000	14	NA	\$ 88,760,000
Total	\$ 109,590,000	24	NA	\$ 109,590,000
Capital Outlay				
Statewide	\$ -	-	\$ -	\$ -
TBR	\$ -	-	\$ -	\$ -
UT	\$ 183,850,000	4	\$ 28,015,000	\$ 155,835,000
Total	\$ 183,850,000	4	\$ 28,015,000	\$ 155,835,000
Full Planning				
TBR	TBD	-	TBD	NA
UT	TBD	-	TBD	NA
Total	TBD	-	TBD	NA
Total Capital Investment				
	\$ 293,440,000	28	\$ 28,015,000	\$ 265,425,000

2020-21

	Total Project		Total	State Funds
	Cost	Projects	Match Funds ¹	Request
Capital Maintenance				
TBR	\$ 13,700,000	10	NA	\$ 13,700,000
UT	\$ 91,190,000	17	NA	\$ 91,190,000
Total	\$ 104,890,000	27	NA	\$ 104,890,000
Capital Outlay				
Statewide	\$ -	-	\$ -	\$ -
TBR	\$ -	-	\$ -	\$ -
UT	\$ 78,800,000	3	\$ 19,145,000	\$ 59,655,000
Total	\$ 78,800,000	3	\$ 19,145,000	\$ 59,655,000
Full Planning				
TBR	TBD	-	TBD	NA
UT	TBD	-	TBD	NA
Total	TBD	-	TBD	NA
Total Capital Investment				
	\$ 183,690,000	30	\$ 19,145,000	\$ 164,545,000

2021-22

	Total Project		Total	State Funds
	Cost	Projects	Match Funds ¹	Request
Capital Maintenance				
TBR	\$ 18,310,000	10	NA	\$ 18,310,000
UT	\$ 99,470,000	14	NA	\$ 99,470,000
Total	\$ 117,780,000	24	NA	\$ 117,780,000
Capital Outlay				
Statewide	\$ -	-	\$ -	\$ -
TBR	\$ -	-	\$ -	\$ -
UT	\$ 118,750,000	3	\$ 19,225,000	\$ 99,525,000
Total	\$ 118,750,000	3	\$ 19,225,000	\$ 99,525,000
Full Planning				
TBR	TBD	-	TBD	NA
UT	TBD	-	TBD	NA
Total	TBD	-	TBD	NA
Total Capital Investment				
	\$ 236,530,000	27	\$ 19,225,000	\$ 217,305,000

Five-Year Total

	Total Project		Total	State Funds
	Cost	Projects	Match Funds ¹	Request
Capital Maintenance				
TBR	\$ 210,880,000	135	NA	\$ 210,880,000
UT	\$ 404,200,000	70	NA	\$ 404,200,000
Total	\$ 615,080,000	205	NA	\$ 615,080,000
Capital Outlay				
Statewide	\$ -	-	NA	\$ -
TBR	\$ 302,680,000	12	\$ 40,943,000	\$ 257,735,800
UT	\$ 934,120,000	18	\$ 156,270,000	\$ 757,850,000
Total	\$ 1,236,800,000	30	\$ 197,213,000	\$ 1,015,585,800
Full Planning				
TBR	\$ -	-	\$ -	NA
UT	\$ 65,000,000	1	\$ 1,100,000	NA
Total	\$ 65,000,000	1	\$ 1,100,000	NA
Total Capital Investment²				
	\$ 1,916,880,000	236	\$ 197,213,000	\$ 1,630,665,800

1- Match is required only on the first \$75 million of capital outlay projects.

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