

MTSU Sustainable Campus Fee (SCF) Program

Approved Projects	2006-16	2016-17	2017-18	2018-19	2019-2020	2020-2021	Totals
Green Power Purchase	\$ 2,050,000	\$ 150,000	\$ 150,000	\$ 50,000	\$ 50,000	\$ 22,500	\$ 2,472,500
Air Compressor System- Integrated control module/program						\$ 6,000	\$ 6,000
Air Handling Units Energy Upgrades Rec					\$ 70,000		\$ 70,000
Air Flow Meter Installations	\$ -	\$ 9,000	\$ 3,500				\$ 12,500
Alternative Fuel- Biodiesel Production Project	\$ 2,500						\$ 2,500
Alternative Fuel- Convert a Bus to Run on Used Cooking Oil	\$ 15,000						\$ 15,000
Alt Fuel- Convert Vehicle to Operate on Natural Gas/Installation of Compressed Gas Station	\$ 8,500						\$ 8,500
Alt Fuel- Comparing the Pollutant Emissions for Various Alt Fuels	\$ -		\$ 5,944				\$ 5,944
Alt Fuel- Development of Flex-Fueled Engine (ph1 solar,ph2 hydrogen)	\$ 54,000						\$ 54,000
Alt Fuel - Development of High Performance Additive fuels to Reduce Emission of Pollutants						\$ 4,474	\$ 4,474
Alternative Fuel- Hybrid/Alternative Fuel Vehicle Project	\$ 47,850						\$ 47,850
Alternative Fuel- Increasing Production Capacity of Biodiesel	\$ 9,965						\$ 9,965
Alternative Fuel- Kenaf Agriculture for Sustainable Community	\$ 5,935						\$ 5,935
Alternative Fuel- Multi-fuel Bus Emission Testing Project	\$ 10,944						\$ 10,944
Alternative Fuel- Propane Powered Mower (6)	\$ 23,223		\$ 13,000	\$ 12,600	\$ 13,600	\$ 13,600	\$ 76,023
Alternative Fuel- Running Vehicles off Wood Gasification	\$ 4,500						\$ 4,500
Bee Keeping and Colony Collapse	\$ 10,000						\$ 10,000
Battery Operated Grounds Equipment (40V lithium-ion)	\$ -	\$ 2,500					\$ 2,500
Bicycle Friendly Campus/shelters PH (1)/ shelter PH (1)	\$ 88,132		\$ 9,000	\$ 11,500	\$ 11,500	\$ 5,800	\$ 125,932
Biofuels- Cellulose Production/Optimization-Conversion to Ethanol				\$ 3,980			\$ 3,980
Biofuels- Conversion of Oyster Shells into Catalyst for Biofuels				\$ 3,900			\$ 3,900
Biofuels- Ultrasonic Generator and Biotech Applications Research	\$ 6,360	\$ 4,820					\$ 11,180
Biorenewable Solvents for Pigment Extraction and Textile Dyeing				\$ 380			\$ 380
Blast Hand Dryers for REC/ Hand Dryers (LIB,FAIR)	\$ 11,270	\$ 9,107					\$ 20,377
Boiler Sequencing Controller- M2G (ING)	\$ 7,698						\$ 7,698
BTU Meters for Chillers at Chiller Plant and Satellite	\$ -		\$ 9,000				\$ 9,000
Bypass Feeders (15 buildings)	\$ -	\$ 9,800					\$ 9,800
Change Hot Water Valve Tops in Murphy Center	\$ 6,502						\$ 6,502
Chilling Plant- Pressure Gauges Installation	\$ 1,000						\$ 1,000
Clean/Replace Coils AMG, BRAGG, FH, VET, JUB, FAIR, KUC, TCM, BDA, WPS, TLC, MB, MC, CKN, KOM,BAS,KOM,JH,Todd,KUC,many buildings	\$ 74,651		\$ 9,500		\$ 4,000		\$ 88,151
Closed Loop Sediment Filtering System (KUC, LIB, MC, TODD, SAG, VET, LRC, BRAGG, JH, CAB, CKNB, EHS, BDA, BAS, WMB, MEC other Bldgs)	\$ 211,350			\$ 10,000		\$ 5,000	\$ 226,350
Dehumidifier Project in VET 108	\$ 13,600						\$ 13,600
Development of a Biosensor to Detect Hydrogen Production	\$ 4,250						\$ 4,250
Energy Analysis- Building Heating/AC Energy Efficiency Study	\$ 1,500						\$ 1,500
Energy - Conduct Light Level Studies in TODD, BRAGG, BAS, PH	\$ 5,500						\$ 5,500
Energy - Data Loggers for Energy Efficiency Analysis	\$ 6,000	\$ 2,060					\$ 8,060
Energy -Flow Meter; Compact Infrared Cameras for Energy Audits	\$ 13,350		\$ 5,000				\$ 18,350
Energy Analysis- Infr Thermometer Guns/Sensors&Monitoring Tools	\$ 500		\$ 4,905				\$ 5,405
Energy Analysis- Siemens Energy Analysis for SCI	\$ 12,000						\$ 12,000
Energy Analysis- Steam Trap Ultrasonic Test Equipment	\$ 2,600						\$ 2,600
Energy Analysis- Test and Balance Hot Water System (KUC)	\$ 12,716						\$ 12,716
Energy Books Purchase for LIB and Facilities Offices	\$ 6,323						\$ 6,323
Energy Conservation Project in BDA: Motion Sensors	\$ 4,568						\$ 4,568
Energy Efficient Replacement Washer	\$ -		\$ 11,617				\$ 11,617
Flowmeter BTUmeter for MC/VET/AMG/RH				\$ 9,000	\$ 27,000		\$ 36,000
Hot/Chilled Water Valve Assessment	\$ 5,000						\$ 5,000
HVAC Controls Replacement (WMB)	\$ 29,950						\$ 29,950
HVAC Pleated Filter Projects- SCI, JH, FAIR, BRAGG, CKNB, Horse Science, HOB, WMB, ROTC, COE, HONR, Public Safety	\$ 19,999						\$ 19,999
HVAC Pocket Filter- Multiple Buildings (21+)/ Synthetic CKN,PH,BRAG	\$ 137,849	\$ 10,175	\$ 2,976	\$ 3,905		\$ 10,765	\$ 165,670
Install FilterPave Porous Pavement in Parking Lot on Champion Way	\$ 18,665						\$ 18,665
Install Variable Frequency Drives- JH, LIB, BDA,MC,BAS	\$ 35,292	\$ 18,554				\$ 7,743	\$ 61,589
Install Variable Speed Drive Motor Additions - 2 phases Rec Center				\$ 30,994			\$ 30,994
Install Milk Cooling System at the MTSU Farm	\$ 17,500						\$ 17,500
Install a Geothermal Cooler System on the MTSU Farm	\$ 27,150						\$ 27,150
Installation of Programmable Thermostats in F/S Maintenance Shops	\$ 1,200						\$ 1,200
Installation of Variable Speed Compressor in COGN	\$ 24,000						\$ 24,000
Insulate Pipes- Multiple Buildings (19+)	\$ 116,409			\$ 16,200			\$ 132,609
Insulated Garage Door Replacement- Motor Pool	\$ 3,950						\$ 3,950
ITD-AMX Resource Mgmt Suite Sys Upgrade; Virtual Mgmt Software	\$ 17,500						\$ 17,500
ITD- "Lights out" Cope Data Center	\$ 1,316						\$ 1,316
Lab Upgrade of Instr (ICP-OES) Donated by TN Health Dept. Lab	\$ -		\$ 7,400				\$ 7,400
Lamp Crusher	\$ 4,000						\$ 4,000
Landscape - JUB						\$ 8,000	\$ 8,000
Laser Alignment Devices	\$ 5,681						\$ 5,681
Light Switch Plate Labels	\$ 2,500						\$ 2,500

Approved Projects	2006-16	2016-17	2017-18	2018-19	2019-2020	2020-2021	Totals
Lighting- Ann Campbell Early Learning Center LEDs				\$ 5,696			\$ 5,696
Lighting- Retrofits Mechatronics Lab, MTSU Airport Ramp Lights	\$ -	\$ 9,050		\$ 4,300			\$ 13,350
Lighting- Retrofitted LEDs/ Outside Lamps - Old Main Circle, Walnut Grove, Rutherford Lot, E Alumni Dr, Greek Row, Ezell, Womack, Sims/Beasley, DSB, JUB, RH, VET, JACK				\$ 39,412	\$ 39,600	\$ 39,600	\$ 118,612
Lighting- Occupancy Sensors Honors Building	\$ 3,372						\$ 3,372
Lighting Projects LEDs- LIB Atrium; REC Cardio Room/indoor pool; BRAGG & PH; studio BRAGG & LRC; VET; BAS S lobby; LRC 221; WMB Hinton Hall; VET 120 lab, LIB student area	\$ 119,268	\$ 18,377	\$ 38,144		\$ 5,600		\$ 181,389
Lighting- Re-lamp CKNB (existing portion) and FAIR	\$ 61,200						\$ 61,200
Lighting- Replacement of Incandescent Lamps in MC	\$ 5,729						\$ 5,729
Lighting- Re-lamp MTSU Parking Garages with LEDs				\$ 36,658			\$ 36,658
Manhole Cover Replacement			\$ 6,600				\$ 6,600
Microfiber Cleaning System				\$ 1,296			\$ 1,296
Outside Air Damper with AFM Station included for KOM, BAS, Bldgs/ BAS				\$ 40,000	\$ 20,000		\$ 60,000
Permeable Pavers for Sustainable Learning Environment (FH)	\$ 13,050						\$ 13,050
Pollution monitoring of Middle Point Landfill - water					\$ 7,990		\$ 7,990
Poster Campaign and Earthwise Reusable Bag Project	\$ 18,160						\$ 18,160
Pressure Differential Sensors for MOH, BRAG, CKN, DSB, JUB, others				\$ 4,000		\$ 4,000	\$ 8,000
Protreat Mold Treatment for Air Handling Units	\$ 1,400						\$ 1,400
Re-caulk Exterior Windows (DSB)	\$ 14,000						\$ 14,000
Recycling- Community Drop-Off Upgrades	\$ 3,000		\$ 5,500				\$ 8,500
Recycling Support for Special Events (7)	\$ 10,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500		\$ 24,500
Recycling Supplies for MTSU Recycling Program	\$ 73,500	\$ 4,000		\$ 3,500	\$ 9,600	\$ 3,000	\$ 93,600
Recycling- Increase Behavior by Applying Behavior Sci Principles	\$ 1,300						\$ 1,300
Recycling- Pickup Truck Purchase	\$ -	\$ 14,000					\$ 14,000
Recycling Pilot Program: Dorm Room Recycling Bins	\$ 9,000						\$ 9,000
Recycling- Animation Contest with Recycling or Sustainability Theme	\$ -		\$ 750				\$ 750
Recycling- Promotion of SCF Program/RecycleMania	\$ 1,000			\$ 2,000			\$ 3,000
Recycling- Technology Lab Resources	\$ 1,800						\$ 1,800
Replace Older Motor with Energy Efficcy motor in HOB, WMB, SAG, MC, TLC	\$ 44,543	\$ 12,851					\$ 57,394
Replace Older Pump with Energy Efficient Pump (KUC)	\$ 5,424						\$ 5,424
Replacement of Exterior Windows (MB, HOB)	\$ 60,000						\$ 60,000
Replacement of VFD for BAS HVAC Return Fan (ph- 1 of 5)	\$ -		\$ 9,900				\$ 9,900
Research- Eco-Friendly Bio-Composting of Horse Carcasses	\$ 31,140						\$ 31,140
Research- Bring Green Chemistry to Campus (pHVI)(pHVII)(pHVIII)	\$ 18,255	\$ 3,017	\$ 3,250	\$ 3,510	\$ 2,723	\$ 2,402	\$ 33,157
Research- "Clickable" Polymers	\$ 600						\$ 600
Research- Develop Novel Approach to Producing Biofuel	\$ 9,500						\$ 9,500
Research- DRIPS Project (D and R into Pervious Surfaces)	\$ 13,500						\$ 13,500
Research- Environmentally Benign Synthesis Using Electrochemistry	\$ -		\$ 3,100				\$ 3,100
Research- Pesticide Impacts on Soil Microbe Health	\$ -		\$ 8,500				\$ 8,500
Research- Plastic Recycling Priorities: Quantifying Different types of Microplastic Particles found in Surface Water						\$ 6,636	\$ 6,636
Research- Sustainable Design: Recycling of Ginseng Plant Waste for Biofuel Using Pond Microbe	\$ -		\$ 9,000				\$ 9,000
Research- Turning Manure into Gold	\$ 1,000						\$ 1,000
Restroom Flush Valves Replacement (LIB)	\$ -	\$ 9,020					\$ 9,020
ReRev Cardio System Elliptical Machines in REC	\$ 30,000						\$ 30,000
Self-Sustainability Initiative Through Alternative Horticulture	\$ 10,000						\$ 10,000
Server Consolidation/Visualization- Health Services	\$ 20,000						\$ 20,000
Siemens Ctrls for Var Air Vol Boxes - LIB (26 boxes)/LIB (30 boxes)				\$ 10,560	\$ 12,534		\$ 23,094
Solar- Unmanned Aircraft System Solar Project						\$ 32,980	\$ 32,980
Solar Attic Fans in FH and EHS/ WH	\$ 28,932				\$ 3,500		\$ 32,432
Solar- Big Belly Solar Trash Compactor (9)/software upgrade	\$ 23,094	\$ 11,789	\$ 11,800		\$ 7,540		\$ 54,223
Solar- Golf Cart Conversion 1 and 2 (electric to solar)	\$ 24,380						\$ 24,380
Solar- Install 8kW System	\$ 81,224						\$ 81,224
Solar- Patio Umbrellas (2) / Picnic Table (2)	\$ 4,500			\$ 13,195	\$ 13,700		\$ 31,395
Solar- Buy Organic Dyes for Organic Dye Sensitized Solar Cells	\$ 1,100						\$ 1,100
Solar- Boat Project/ Student projects trailer	\$ 14,011				\$ 5,000		\$ 19,011
Solar- WMTS-FM 88.3 Solar Power Supply Project	\$ 31,900						\$ 31,900
Stwater Ctrl Proj- Rain Gardens, Bioremediation Ponds for MS4 compliance/Maint, Bank stabilization, PKG Lot Run-Off, Native Plants	\$ 38,859	\$ 11,500	\$ 5,000				\$ 55,359
Student Suitabilities Ed. Initiative ; Learning Garden-Raised Bed	\$ 2,500					\$ 4,000	\$ 6,500
Sub-Metering for Chilling Plant and MC	\$ 8,000						\$ 8,000
Tree Planting Projects (7)	\$ 8,500	\$ 15,500	\$ 12,500	\$ 11,000	\$ 8,000	\$ 6,000	\$ 61,500
Ultrasonic Transmitters (MGB)	\$ 18,130						\$ 18,130
Water Conservation for Rural and Urban Citizens	\$ 25,000						\$ 25,000
Water Refill Stations- SGA Resolution 7-14-F, Multiple bldgs (61 units)	\$ 29,585	\$ 31,532	\$ 41,212	\$ 25,200	\$ 12,200	\$ 17,500	\$ 157,229
Y-pattern Valve Changeout- COGN	\$ 7,600						\$ 7,600
Total:	\$ 4,127,804	\$ 360,152	\$ 390,598	\$ 356,286	\$ 327,587	\$ 200,000	\$ 5,762,427