

MTSU Sustainable Campus Fee (SCF) Program

Approved Projects	2006-14	2014-15	2015-16	2016-17	2017-18	Totals
Green Power Purchase	\$ 1,750,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 2,350,000
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
Alternative Fuel- Convert Vehicle to Operate on Natural Gas/Installation of Compressed Gas Station	\$ 8,500					\$ 8,500
Alternative Fuel- Comparing the Pollutant Emissions for Various Alternative Fuels	\$ -				\$ 5,944	\$ 5,944
Alternative Fuel- Development of Flex-Fueled Engine (phase 1 is solar, phase 2 is hydrogen)	\$ 54,000					\$ 54,000
Alternative Fuel- Hybrid/Alternative Fuel Vehicle Project	\$ 32,250	\$ 15,600				\$ 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	\$ -	\$ 12,045	\$ 11,178		\$ 13,000	\$ 36,223
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
Biofuels- Ultrasonic Generator and Biotech Applications Research	\$ -		\$ 6,360	\$ 4,820		\$ 11,180
Blast Hand Dryers for REC	\$ 11,270					\$ 11,270
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)	\$ 74,651					\$ 74,651
Closed Loop Sediment Filtering System (KUC, LIB, MC, TODD, SAG, VET, LRC, BRAGG, JH, CAB, CKNB, EHS, BDA, BAS, WMB, other buildings)	\$ 180,550	\$ 21,000	\$ 9,800			\$ 211,350
Coil Cleaning for Energy Efficiency (BAS, KOM, JH, Todd, KUC)	\$ -				\$ 9,500	\$ 9,500
Creating a More Bicycle Friendly Campus	\$ 88,132				\$ 9,000	\$ 97,132
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 Analysis- Conduct Light Level Studies in TODD, BRAGG, BAS, PH	\$ 5,500					\$ 5,500
Energy Analysis- Data Loggers for Energy Efficiency Analysis	\$ 4,000	\$ 2,000		\$ 2,060		\$ 8,060
Energy Analysis- Flow Meter; Compact Infrared Cameras for Energy Audits and Solutions	\$ 3,450		\$ 9,900		\$ 5,000	\$ 18,350
Energy Analysis- Infrared Thermometer Guns	\$ 500					\$ 500
Energy Analysis- Sensors and Monitoring Tools	\$ -				\$ 4,905	\$ 4,905
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
Golf Cart Conversion 1 and 2 (electric to solar)	\$ 12,500	\$ 11,880				\$ 24,380
Hand Dryers Installation- (LIB, FAIR)	\$ -			\$ 9,107		\$ 9,107
Hot/Chilled Water Valve Assessment	\$ 5,000					\$ 5,000
HVAC Controls Replacement (WMB)	\$ 29,950					\$ 29,950
HVAC Pocket Filter- Multiple Buildings (21+)	\$ 137,849			\$ 10,175		\$ 148,024
Install FilterPave Porous Pavement in Parking Lot on Champion Way	\$ 18,665					\$ 18,665
Install Frequency Drive in BDA	\$ 12,777					\$ 12,777
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+)	\$ 59,337	\$ 42,872	\$ 14,200			\$ 116,409
Insulated Garage Door Replacement- Motor Pool	\$ -	\$ 3,950				\$ 3,950
ITD- AMX Resource Mgmt Suite System Upgrade; Virtual Mgmt Software	\$ 7,500		\$ 10,000			\$ 17,500
ITD- "Lights out" Cope Data Center	\$ -	\$ 1,316				\$ 1,316
ITD- Memory for Banner Dell Nutanix Nodes (CAB, TCM)	\$ -				\$ 17,750	\$ 17,750
ITD- Server Consolidation/Virtualization/Upgrade	\$ 142,208	\$ 26,000	\$ 25,000			\$ 193,208
Lab- Replace use of Helium and Hydrogen Cylinders in SCI with Hydrogen Generated via Electrolysis	\$ -	\$ 15,116				\$ 15,116
Lab- Replace use of Helium Gas in DSB with Hydrogen Generated Via Electrolysis	\$ 14,160					\$ 14,160
Lab- Upgrade of Instrument (ICP-OES) Donated to MTSU by TN Health Dept. Lab	\$ -				\$ 7,400	\$ 7,400
Lamp Crusher	\$ 4,000					\$ 4,000
Laser Alignment Devices	\$ 5,681					\$ 5,681
LED Lighting Retrofits- Mechatronics Lab, MTSU Airport Ramp Lights	\$ -			\$ 9,050		\$ 9,050
Light Switch Plate Labels	\$ 2,500					\$ 2,500

Lighting- Occupancy Sensors Honors Building	\$ 3,372						\$ 3,372
Lighting Projects- LIB Atrium; REC Cardio Room/indoor pool LEDs; BRAGG and PH LEDs; studio lighting BRAGG & LRC; VET; BAS S lobby; LRC 221; WMB Hinton Hall	\$ 113,338		\$ 5,930	\$ 18,377	\$ 38,144		\$ 175,789
Lighting- Re-lamp KKNB (existing portion) and FAIR	\$ 61,200						\$ 61,200
Lighting- Replacement of Incandescent Lamps in MC	\$ 5,729						\$ 5,729
Manhole Cover Replacement	\$ -				\$ 6,600		\$ 6,600
Permeable Pavers for Sustainable Learning Environment (FH)	\$ 13,050						\$ 13,050
Pleated Filter Projects- SCI, JH, FAIR, BRAGG, CKNB, Horse Science, HOB, WMB, ROTC, COE, HONR, Public Safety	\$ 4,427	\$ 9,654	\$ 5,918				\$ 19,999
Poster Campaign and Earthwise Reusable Bag Project	\$ 18,160						\$ 18,160
Promotion of SCF Program	\$ 1,000						\$ 1,000
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	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500		\$ 17,500
Recycling Supplies for MTSU Recycling Program	\$ 61,000	\$ 5,500	\$ 7,000	\$ 4,000			\$ 77,500
Recycling- Increase Behavior by Applying Behavior Science Principles	\$ 1,300						\$ 1,300
Recycling- Pickup Truck Purchase	\$ -			\$ 14,000			\$ 14,000
Recycling Pilot Program: Dorm Room Recycling Bins	\$ 3,000	\$ 6,000					\$ 9,000
Recycling- Animation Contest with Recycling or Sustainability Theme	\$ -				\$ 750		\$ 750
Recycling- Technology Lab Resources			\$ 1,800				\$ 1,800
Replace Older Motor with Energy Efficient Motor in HOB, WMB, SAG, MC, TLC	\$ 33,759		\$ 10,784	\$ 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	\$ 25,740	\$ 5,400					\$ 31,140
Research- Bring Green Chemistry to Campus (ph-I-V)	\$ 13,066	\$ 2,100	\$ 3,089	\$ 3,017	\$ 3,250		\$ 24,522
Research- "Clickable" Polymers	\$ 600						\$ 600
Research- Develop Novel Approach to Producing Biofuel	\$ -	\$ 9,500					\$ 9,500
Research- DRIPS Project (Development and Research 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- 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
Solar Attic Fans in FH and EHS	\$ 28,932						\$ 28,932
Solar- Big Belly Solar Trash Compactor	\$ -	\$ 12,000	\$ 11,094	\$ 11,789	\$ 11,800		\$ 46,683
Solar Boat Project	\$ 6,165						\$ 6,165
Solar- Install 8kW System	\$ 81,224						\$ 81,224
Solar- Patio Umbrellas	\$ -	\$ 4,500					\$ 4,500
Solar- Purchase of Organic Dyes for Organic Dye Sensitized Solar Cells	\$ 1,100						\$ 1,100
Solar- Student projects trailer	\$ -	\$ 7,846					\$ 7,846
Solar- WMTS-FM 88.3 Solar Power Supply Project	\$ 31,900						\$ 31,900
Stormwater Control Projects- Rain Gardens, Bioremediation Ponds on MTSU Campus for MS4 Compliance/Maintenance, Bank stabilization, Parking Lot Run-Off, Native Plants	\$ 10,000	\$ 10,000	\$ 18,859	\$ 11,500	\$ 5,000		\$ 55,359
Student Suitabilities Education Initiative	\$ 2,500						\$ 2,500
Sub-Metering for Chilling Plant and MC	\$ 8,000						\$ 8,000
Synthetic Media Pocket Filters (CKN)	\$ -				\$ 2,976		\$ 2,976
Tree Planting Projects	\$ 3,000	\$ 500	\$ 5,000	\$ 15,500	\$ 12,500		\$ 36,500
Ultrasonic Transmitters (MGB)	\$ 18,130						\$ 18,130
Variable Frequency Drives- JH, LIB	\$ 5,225	\$ 9,800	\$ 7,490	\$ 18,554			\$ 41,069
Water Conservation for Rural and Urban Citizens	\$ -	\$ 25,000					\$ 25,000
Water Refill Stations- SGA Resolution 7-14-F, Multiple buildings (31)	\$ 3,400	\$ 6,132	\$ 20,053	\$ 31,532	\$ 41,212		\$ 102,329
Y-pattern Valve Changeout- COGN	\$ -	\$ 7,600					\$ 7,600
Total:	\$ 3,540,832	\$ 433,001	\$ 376,455	\$ 360,152	\$ 408,348		\$ 5,118,788