MTSU Sustainable Campus Fee (SCF) Program

Approved Projects	2006-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	*Totals*
Green Power Purchase	$ 1,140,000	$ 230,000	$ 230,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	*$ 2,200,000*
Air flow meter installations							$ 9,000	*$ 9,000*
Alternative Fuel (Biodiesel) Production Project	$ -		$ 2,500					*$ 2,500*
Alternative Fuel- Bus conversion 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- Development of flex-fueled engine Phase 1 and 2 (sun and hydrogen)	$ 54,000							*$ 54,000*
Alternative fuel- Multi-fuel bus emission testing project	$ 10,944							*$ 10,944*
Alternative fuel- Running Vehicles off Gasification from Wood	$ -				$ 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 Research; Biotech applications research	$ -					$ 6,360	$ 4,820	*$ 11,180*
Bioremediation of Barbiturates for Ecofriendly Horse Composting/Soil bacteria for Degrading Toxic Barbituates from Horses in Landfills	$ -	$ 16,846			$ 5,400			*$ 22,246*
Blast hand dryers for Campus Rec	$ 11,270							*$ 11,270*
Boiler Sequencing Controller- M2G, Ingram Building	$ -				$ 7,698			*$ 7,698*
Bring green chemistry to campus program Phase I-IV	$ -			$ 13,066	$ 2,100	$ 3,089	$ 3,017	*$ 21,272*
By-pass 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 multiple buildings (15)	$ 35,294	$ 4,100	$ 20,157	$ 15,100				*$ 74,651*
'Clickable' Polymers	$ -		$ 600					*$ 600*
Closed loop sediment filtering system multiple buildings - (15+)	$ 102,700	$ 15,450	$ 46,650	$ 15,750	$ 21,000	$ 8,900		*$ 210,450*
Compact infrared cameras for energy audits & solutions; flow meter	$ 3,450					$ 9,900		*$ 13,350*
Conduct light level studies in Todd, Mass Comm, BAS, Peck	$ 5,500							*$ 5,500*
Creating MTSU as a Bicycle Friendly University; Progression towards becoming a bicycle friendly Univ/ advancing the project	$ -	$ 38,169	$ 30,668	$ 19,295				*$ 88,132*
Data Loggers for Energy Efficiency Analysis	$ -			$ 4,000	$ 2,000		$ 2,060	*$ 8,060*
Dehumidifier project/Dehumidify for Voorhies 108	$ -	$ 2,100	$ 11,500					*$ 13,600*
Develop Novel Approach to Producing Biofuel	$ -				$ 9,500			*$ 9,500*
Development of a biosensor to detect hydrogen production	$ -	$ 4,250						*$ 4,250*
DRIPS Project (Development and Research into Pervious Surfaces)	$ 13,500							*$ 13,500*
Energy Books purchase- Library and Facilities offices	$ 4,500		$ 1,823					*$ 6,323*
Energy Conservation Project in BDA, Theater Production (Motion Sensors)	$ -				$ 4,568			*$ 4,568*
Environmentally Friendly Bio-Composting of Toxic Horse Carcasses	$ -		$ 8,894					*$ 8,894*
Filter- Pleated filter project- multiple buildings (12)	$ -			$ 4,427	$ 9,654	$ 5,918		*$ 19,999*
Golf cart conversion 1 and 2 (electric to solar)	$ 10,500		$ 2,000		$ 11,880			*$ 24,380*
Hand dryers installation- Walker Library, Fairview							$ 9,107	*$ 9,107*
Hot/chilled water valve assessment	$ 5,000							*$ 5,000*
HVAC controls replacement Wright Music	$ 29,950							*$ 29,950*
HVAC pocket filter project - multiple buildings (21+)	$ 67,007	$ 25,806	$ 40,235	$ 4,801			$ 10,175	*$ 148,024*
Hybrid/Alternative fuel vehicle purchase/subsidy/ continue project	$ 17,250			$ 15,000	$ 15,600			*$ 47,850*
Increasing Production Capacity of Biodiesel	$ -		$ 9,965					*$ 9,965*
Infrared thermometer guns	$ -	$ 500						*$ 500*
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	$ 17,500							*$ 17,500*
Installation of a geothermal cooler system at 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 the Central Utilities Plant	$ 24,000							*$ 24,000*
Insulate pipes- Multiple buildings (19+)	$ -	$ 37,337	$ 5,000	$ 17,000	$ 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- Server consolidation/Virtualization/Blade servers	$ 62,708		$ 47,000	$ 32,500	$ 26,000	$ 25,000		*$ 193,208*
Kenaf Agriculture for Sustainable Community (alternative energy crop)	$ 5,935							*$ 5,935*
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 Projects- Atrium for Walker Library; Campus Rec indoor pool LED lights; Mass Comm and Peck LEDs; studio lighting in Mass Comm & LRC; VET	$ 62,522	$ 19,366		$ 31,450		$ 5,930	$ 18,377	$ 137,645
Lighting- Re-lamp Cason Kennedy Nursing Building (existing portion) and Fairview	$ 61,200							$ 61,200
Lighting- Replacement of incandescents in Murphy Cntr	$ -	$ 5,729						$ 5,729
Occupancy Sensors Honors Building	$ 3,372							$ 3,372
Permeable Pavers for Sustainable Learning Environment (Forest Hall)	$ 13,050							$ 13,050
Poster campaign and Earthwise reusable bag project	$ 18,160							$ 18,160
Promotion of SCF Program			$ 1,000					$ 1,000
Propane powered mower to replace older gas powered					$ 12,045	$ 11,178		$ 23,223
Protreat mold treatment for air handling units		$ 1,400						$ 1,400
Re-caulk exterior windows (Davis Science Building)	$ 14,000							$ 14,000
Recycling - community drop-off relocation/expansion	$ 3,000							$ 3,000
Recycling at special events				$ 3,500	$ 3,500	$ 3,500	$ 3,500	$ 14,000
Recycling containers/supplies for campus	$ 31,500	$ 5,500	$ 6,500	$ 17,500	$ 5,500	$ 7,000	$ 4,000	$ 77,500
Recycling- increase behavior thru application of 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- Technology Lab Resources						$ 1,800		
Replace older motor with energy efficient motor in Holmes; Wright Music; Stark Ag; Murphy Cntr; Livestock	$ -	$ 2,279	$ 5,300	$ 26,180		$ 10,784	$ 12,851	$ 57,394
Replace Older Pump with Energy Efficient Pump- KUC	$ -				$ 5,424			$ 5,424
Replace use of Helium & Hydrogen Cylinders in New Science Building with Hydrogen generated via Electrolysis	$ -				$ 15,116			$ 15,116
Replace use of Helium Gas in DSB with Hydrogen Generated Via Electrolysis	$ -			$ 14,160				$ 14,160
Replacement of exterior windows McFarland & Holmes	$ 60,000							$ 60,000
Restroom flush valves replacement- Walker library							$ 9,020	$ 9,020
ReRev Cardio System elliptical machines in Rec Center	$ 30,000							$ 30,000
Self Sustainability Initiative thru Alternative Horticulture	$ -		$ 10,000					$ 10,000
Server consolidation/Visualization- Health Services	$ -			$ 20,000				$ 20,000
Siemens Energy Analysis- New Science Building	$ -				$ 12,000			$ 12,000
Solar - Install 10kW solar system	$ 81,224							$ 81,224
Solar attic fans in Forrest Hall; Ellington Human Science	$ -	$ 28,932						$ 28,932
Solar- Big Belly solar trash compactor program	$ -				$ 12,000	$ 11,094	$ 11,789	$ 34,883
Solar boat project	$ -			$ 6,165				$ 6,165
Solar- Patio Umbrellas	$ -					$ 4,500		$ 4,500
Solar- Purchase of organic dyes to be used in 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	$ -	$ 12,000	$ 19,900					$ 31,900
Steam trap ultrasonic test equipment	$ 2,600							$ 2,600
Stormwater Control Projects- Rain Gardens; native plants; Bioremediation Ponds on Campus for MS4 Compliance/ Maintenance; Parking lot run-off; Bank stabilization	$ 3,000	$ 4,000	$ 3,000		$ 10,000	$ 18,859	$ 11,500	$ 50,359
Student Suitabilities Education Initiative	$ -		$ 2,500					$ 2,500
Study- Building Heating/AC Energy Efficiency Study	$ -				$ 1,500			$ 1,500
Sub-metering for Chilling Plant and Murphy Cntr	$ 8,000							$ 8,000
Test & balance hot water system- KUC	$ -			$ 12,716				$ 12,716
Tree planting/landscape projects	$ -			$ 3,000	$ 500	$ 5,000	$ 15,500	$ 24,000
Turning manure into gold	$ 1,000							$ 1,000
Ultrasonic transmitters Midgett	$ 18,130							$ 18,130
Variable Frequency Drives - Jones Hall; Walker Library	$ -		$ 5,225		$ 9,800	$ 7,490	$ 18,554	$ 41,069
Water Conservation for Rural & Urban Citizens	$ -					$ 25,000		$ 25,000
Water Refill Stations- SGA Resolution 7-14-F- Multiple buildings (23)	$ -			$ 3,400	$ 6,132	$ 20,053	$ 31,532	$ 61,117
Y-pattern Valve Changeout- Cogen Plant	$ -				$ 7,600			$ 7,600
Total:	**$ 2,129,339**	**$ 460,266**	**$ 510,417**	**$ 440,810**	**$ 433,001**	**$ 375,555**	**$ 360,152**	**$ 4,709,540**