

SAU Tech Energy Saving Improvements

- Combined twenty-one electric meters into one master meter
- Implemented an on-going policy of changing burned out magnetic ballast to electronic ballast and converted fixtures from T12 bulbs to T8's
(the ballast conversion project was implemented prior to converting to LED lighting in 2016)
- Replaced ninety HVAC systems with new energy efficient furnaces and condensers
- Replaced 186 single paned windows with energy efficient double paned low E windows
- Added six inch insulation above the suspended ceilings in six on-campus buildings
- Installed mini blinds in 75% of all on-campus windows
- Installed carpet in several areas; giving efficient insulation
- Replaced all bathroom faucets with low flow faucets
- Replaced old style flush valves with low water valves to reduce water usage
- Converted all lighting to LED lighting in 2016
- Completed a Solar Farm (partnering with Ouachita Electric and TPI in 2019)
- Added two student apartment with high energy efficient components (completed in 2018)

Even though there have been increases in the total utility cost, there are some variables to consider. Such variables are that five buildings have been added in the past three years; enrollment has increased, there have been increases in utility rates, fees and taxes and the Solar Farm has not been in effect long enough for the college to receive its benefits to lower electric usage. The college is encouraged that it will reap long term cost-saving benefits from the projects that have been implemented.

Total Utility Cost (excluding AETA and AFTA)

FY2015-2016	FY2016-2017	FY2017-2018	FY2018-2019
385,928.16	416,432.42	471,888.28	478,740.70

ELECTRIC

	W/O AFTA	WITH AFTA
2015-2016	316,791.92	354,640.45
2016-2017	348,445.47	390,096.43
2017-2018	374,569.93	416,562.40
2018-2019	365,751.27	406,737.27

GAS

	W/O AFTA & AETA	WITH AFTA & AETA
2015-2016	44,961.98	54,948.32
2016-2017	41,951.00	52,487.58
2017-2018	67,782.32	81,340.18
2018-2019	70,866.44	83,731.27

WATER

	W/O AFTA & AETA	WITH AFTA & AETA
2015-2016	24,174.26	41,722.71
2016-2017	26,035.95	42,908.18
2017-2018	29,536.03	47,001.00
2018-2019	42,122.99	59,151.73

ALL UTILITIES

	W/O AFTA & AETA	WITH AFTA & AETA
2015-2016	385,928.16	451,311.48
2016-2017	416,432.42	485,492.19
2017-2018	471,888.28	544,903.58
2018-2019	478,740.70	549,620.27