



**TEXAS A&M**  
**UNIVERSITY**  
**CENTRAL TEXAS**

# ENERGY MANAGEMENT REPORT

NOVEMBER 2018

## Executive Order RP-49 Energy Management Report for November 2018

### **A. The extent to which the agency has met the percentage goal it established for reducing its usage of electricity, gasoline, and natural gas:**

Texas A&M University-Central Texas (TAMUCT) is in the middle of rapid growth and transitioned from an older campus which was 100% leased space to a permanent home. The campus consists of three new buildings with a state of the art energy management system to ensure building energy is used efficiently.

Utility consumption building profiles are generated weekly and reviewed to ensure buildings are operating as designed. And, monthly campus utility consumption and costs are reviewed monthly to ensure energy conservation initiatives are obtaining expected results. Energy conservation initiatives have reduced the main campus source Energy Use Index (EUI) from 186.1 mBtu per square foot in April 2014 to 171.1 mBtu per square foot in June 2018.

TAMUCT implemented a demand response program that reduces electric costs by \$8,000 annually.

### **B. The steps the agency may take to increase the percentage goal for reducing its usage of electricity, gasoline, and natural gas:**

TAMUCT is very aggressive in addressing energy conservation opportunities. TAMUCT has a computerized Energy Management System that allows constant monitoring of the buildings to ensure there has not been a malfunction that will increase energy usage, as well as scheduling the HVAC system off when the buildings are unoccupied.

All buildings are metered for chilled water, heating hot water and electricity. A report is generated each week that graphically represents the energy consumption patterns of the buildings which is carefully reviewed to ensure that the operating schedules are properly maintained. The newest building is equipped with motion sensors to control lighting.

### **C. Any additional ideas the agency has for reducing energy expenditures relating to facilities:**

TAMUCT's new multi-purpose building that opened in October 2018 considered energy efficiency as a primary goal throughout plan development and construction. Secondly, a new contract with the electrical provider went into effect September 2017 lowered baseline electrical costs by 22%. Lastly, TAMUCT is replacing parking lot lights with LEDs as the current ones burn out.

### **D. Any additional ideas the agency has to minimize the fuel usage in all vehicles and equipment used by the agency.**

The campus does not have any equipment that operates on gasoline, but does have backup generators that run on diesel. TAMUCT selects vehicles with good fuel efficiency with a focus on carpooling when appropriate.

	Gasoline (Gallons)	Diesel (Gallons)
FY17	3,838	537
FY18	4,519	354
% Increase (Decrease)	+17.74%	-34.08%