



West Texas A&M  
University™

ENERGY MANAGEMENT REPORT

NOVEMBER 2017

## Executive Order RP-49 Energy Management Report for November 2017

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

West Texas A&M University is committed to energy conservation. One initiative with a proven success is scheduling the heating and cooling systems to reduce energy when a space is not being used. WTAMU continues to monitor space to adjust temperature (HVAC) settings based on room utilization.

Utility consumption building profiles are generated weekly and reviewed to insure buildings are operating as designed. And, monthly campus utility consumption and costs are reviewed to insure energy conservation initiatives are obtaining expected results. Energy conservation initiatives have helped the main campus source Energy Use Index (EUI) to remain relatively flat from 166.5 mBtu per square foot in November 2012 to 167.3 mBtu per square foot in August 2017.

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

West Texas A&M University is aggressive in implementing energy conservation programs. WTAMU has a computerized Energy Management System that allows constant monitoring of the buildings to insure there has not been a malfunction that will increase energy usage. Alerts have been set with default values so when temperatures operate outside established perimeters, notifications are emailed to technicians so they can be dispatched to take corrective action.

WTAMU has begun the process to enter into an ESCO agreement. Upon completion, WTAMU expects the energy performance contract will reduce campus energy and water consumption by over 10%. Additionally, WTAMU is upgrading equipment and technology to energy efficient standards meeting the Federal Energy Star ratings.

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

WTAMU is considering entering into an agreement to create a utilities master plan. This plan is expected to reduce the cost of delivering campus utilities. And, future building construction will adhere to more energy efficient standards, including  $\geq 30$ -R-value for roof replacement State required minimum specifications; new lighting specifications requiring LED fixtures; and lighting scheduling on/off using a solar time clock.

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

WTAMU main campus limits vehicular usage by promoting a pedestrian campus. Additionally, staff is encouraged to limit vehicle usage and carpool where appropriate. Where applicable, WTAMU uses gas/electric carts as an alternate mode of transportation.

	Gasoline (Gallons)
FY16	52,810
FY17	57,650
% Increase (Decrease)	9%