



Energy Management Plan

November 2019



Texas A&M University-Texarkana

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-Texarkana energy conservation efforts include scheduling heating and cooling operations based on building usage, engaging occupants to reduce energy consumption over holidays and balancing the HVAC system. 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 to ensure energy conservation initiatives are obtaining expected results.

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

Buildings are metered for chilled water, heating hot water and electricity. Each week, a report is generated that graphically represents the energy consumption patterns of the buildings which is carefully reviewed to ensure that the operating schedules are properly maintained.

Additionally, emphasis has been placed on energy efficiency for new building construction through the planning and construction phases.

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

The team continues to seek out new opportunities for efficiency and savings, such as replacing exterior lighting with efficient LED fixtures, scheduling heating and cooling operations based on building usage, and training maintenance staff on the best practices of utilization of the software used to control chilled water, heating hot water and electricity. A Preliminary Energy Assessment was completed and TAMUT is considering entering into an ESCO contract.

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

Most of the campus's vehicle fleet operates on gasoline, except for the Hummer donated for UPD use which runs on diesel, and the fleet consists of vehicles with good fuel economy with a focus on carpooling when appropriate. Due to the small size of the campus, several electric golf carts have been modified as maintenance vehicles to further reduce energy consumption. As of August 9, 2017, the fleet vehicles available for employee use was reduced and use of Enterprise's Car Share service ended on August 31, 2017. This has lowered gasoline consumption and costs.

University Fleet Fuel Consumption

	Fuel (Gallons)	% Increase (Decrease)
FY13	4,676	
FY14	4,220	(9.8%)
FY15	3,181	(24.6%)
FY16	3,305	3.9%
FY17	2,648	(19.9%)
FY18	2,863	8.1%
FY19	2,472	(14.7%)