

Texas Workforce Commission (TWC) Update to State Agency Energy Savings Plan

July 1, 2017

A. TWC Energy Consumption

In compliance with Senate Bill 898 passed in 2011 by the 82nd Texas Legislative session, the Texas Workforce Commission has established a goal to reduce electric consumption by 5% per year for ten years effective September 1, 2011. Pursuant to Executive Order RP49 established October 27, 2005, TWC will continue its goal to reduce electricity and natural gas energy consumption (reported as MMBTUs/sq. ft.) by at least 2% per year.

B. Electricity and Natural Gas FY17 update

Beginning September 1, 2016, a large part of the Department of Assistive and Rehabilitative Services (DARS) was transitioned into TWC. This increased TWC assets by 1,800+ employees, 60+ buildings, 28 vehicles, 57 new utility accounts and large numbers of equipment. Because of this, TWC's overall energy usage is showing a large increase in FY2017. As we implement the new agency Energy and Water Savings Plan, we will use FY2017 as our base year to measure future energy, water, and gasoline consumption against. We will not report energy and gasoline usage until FY2018.

C. Vehicle Fleet Fuel Usage Update

FY17 fuel usage is increasing as a result of increasing our fleet size from nine to thirty-seven. We will start reporting consumption and savings information in FY2018.

D. FY16 & FY17 TWC Active Initiatives to Enhance Energy Conservation

- 1. Trinity Parking Garage LED Lighting Upgrade:** This project will replace & provide new motion controlled LED lighting, with a possible energy rebate.
- 2. Guadalupe Building Renovations:** This project provided new motion controlled LED lighting, digital HVAC controls, insulated exterior walls and improved quality of exterior windows. The project was completed in January 2017 and an energy rebate check for \$4,795.45 was received February 2017.
- 3. Trinity Building Window Tint:** This project removed existing solar screens, cleaned windows and installed window film to interior side of windows. It was completed in February 2017 and an application for energy rebate has been submitted to the City of Austin.
- 4. Fort Worth ACM Abatement & Build Back:** This project will include duct work modifications, DDC and lighting upgrades.
- 5. Fort Worth Electrical Switchgear Upgrade:** This project will upgrade the electrical power system controls for a reliable and safe delivery of electricity and thus have less energy consumption.
- 6. Austin Trinity 5th Floor Restroom Upgrades:** This project will include upgrading to low-flow toilets with electronic flush valves as well as motion sensor faucets.
- 7. Houston Beechnut Restroom Renovations:** This project will include upgrading to low-flow toilets with electronic flush valves as well as motion sensor faucets.
- 8. Criss Cole Rehabilitation Center Restroom Upgrades:** This project will include upgrading to low-flow toilets with electronic flush valves as well as motion sensor faucets.

E. Additional ideas/actions the agency has for reducing energy expenditures

1. Activate power management policies that turn off or reduce use of networked assets based on business hours and periods of low use.

2. Increase telecommuting options where feasible.
3. Turn off lights in unused offices, conference rooms, hallways, etc. where feasible at peak hours of the day especially during triple-digit heat days.
4. Utilize/incorporate a paperless initiative where feasible.
5. Initialize a new Utility Awareness Campaign

F. Additional ideas/actions to minimize fuel usage of all vehicles

As agency vehicles age and need to be replaced, they will be replaced with hybrid electric/gasoline vehicles or motorized carts to perform facility services.

We have incorporated 38 new vehicles into our operations and we are examining where we can consolidate and reduce the numbers of vehicles currently assigned to our fleet.