

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

April 1, 2018

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.

Electricity and Natural Gas FY18 update

For September 2017 through January 2018, TWC saw the following utility usage changes compared to the same period in FY18.

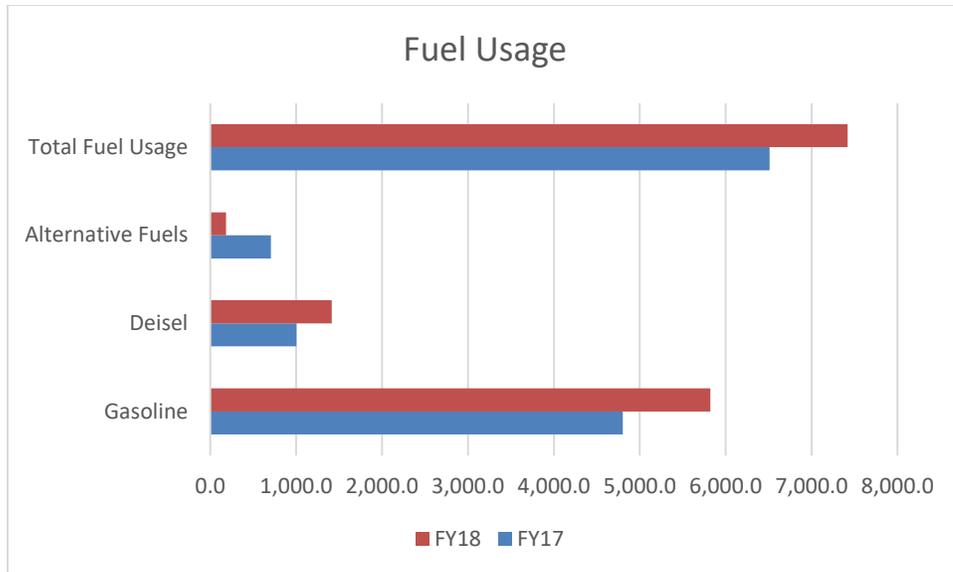
- Electricity Consumption increased 0.2%.
- Natural Gas Consumption increased 11.3%.
- Overall Energy Consumption increased 1.0%
- Overall Energy Consumption per square foot decreased 1.2%.

TWC has saved \$11,005.00 in utility costs so far in FY18 compared to FY17. While our electricity and gas consumption increased, our gas costs decreased by 7.6%. This can be primarily attributed to adding the Austin Criss Cole Building to the GLO Gas contract, which has saved \$0.86 per MCF so far this fiscal year.

Vehicle Fleet Fuel Usage Update

FY17 and FY18 fuel usage increased from prior years as a result of our greatly increased fleet size from nine to thirty-seven vehicles.

FY17 and FY18 Fuel Usage in gallons:



There was an overall 14.0% increase in fuel usage from FY17 to FY18 for September through February. This is due to the many office moves occurring as TWC and DARS continue to consolidate offices.

FY18 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. **Fort Worth 3rd Floor ACM Abatement & Build Back:** This project included duct work modifications, DDC and lighting upgrades and was completed February 6, 2018.
3. **Fort Worth Electrical Switchgear Upgrade:** This project upgraded the electrical power system controls for a reliable and safe delivery of electricity and thus have less energy consumption and was completed November 8, 2017.
4. **Houston Beechnut Restroom Renovations:** This project is included upgrading to low-flow toilets with electronic flush valves as well as motion sensor faucets. It required additional attention after its original completion date and was completed February 15, 2018.
5. **Criss Cole Rehabilitation Center Restroom Upgrades:** This project included upgrading to low-flow toilets with electronic flush

valves as well as motion sensor faucets. It was completed January 24, 2018.

6. **Fort Worth 4th Floor ACM Abatement & Build Back:** This project includes duct work modifications, DDC and lighting upgrades.
7. **Waxahachie Lighting Upgrade:** This project will remove existing lighting fixtures and replace with new LED lighting, and may include a possible energy rebate.
8. **Annex AHU Reconfiguration:** This project will remove select units, replace with new modular fan wall systems, coil units, hydronic piping and controls, and may include a possible energy rebate.

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

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 37 new (to TWC) vehicles into our operations and we are examining where we can consolidate and reduce the numbers of vehicles currently assigned to our fleet. Currently, we are planning on making use of rental vehicles for our Business Enterprises of Texas (BET) consultants when making road trips to BET facilities. If

approved, this will allow us to eliminate some of the fleet assigned to BET.

We will also remove three vehicles from the fleet that are not being utilized.