

Texas Workforce Commission

Infrastructure Services Department

Quarterly Report on State Agency Energy Savings Program

As Required by Executive Order RP-49



First Quarter
Fiscal Year 2020

Introduction

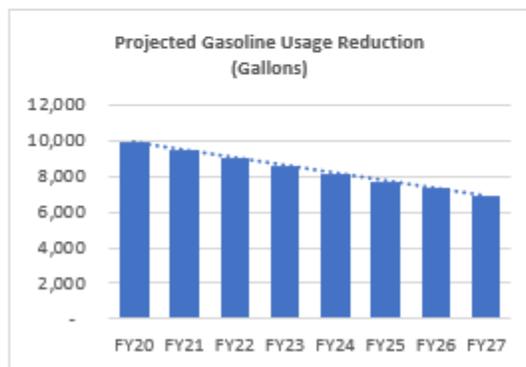
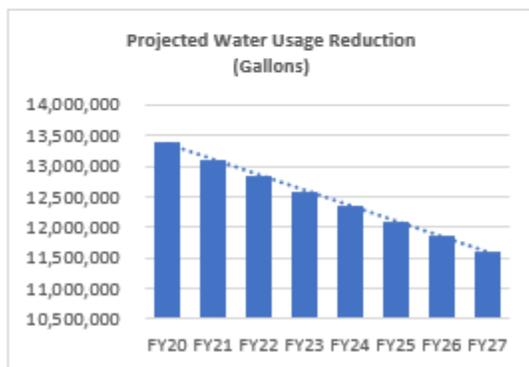
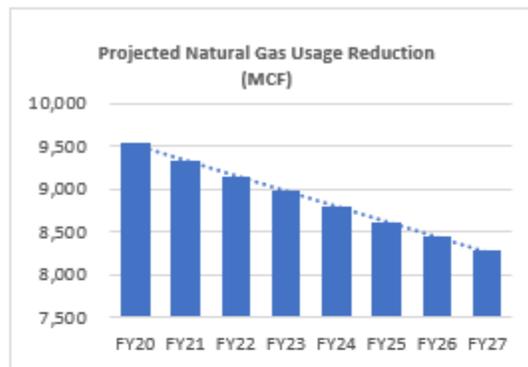
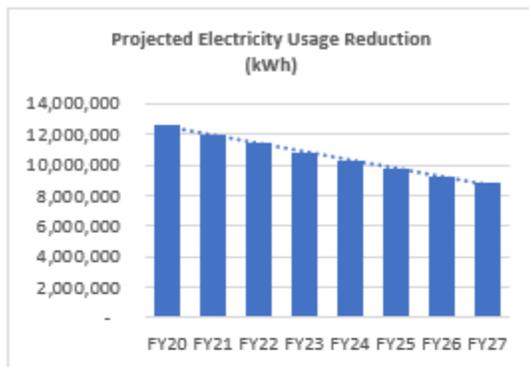
This report fulfills a legislative requirement for reporting updates on energy conservation as provided in Executive Order RP-49, Government Code, §447.009, and Health and Safety Code, §388.005.

Information included in this report is consistent with the goals identified in the 2020 Energy and Water Management Plan (“Plan”) for reducing electricity and gasoline by five percent and natural gas and water by two percent each fiscal year (FY) by target year FY27.

This is the first quarterly (Q1) report for FY20. The reporting period is September to November 2019.

Goals

The following four bar graphs show projections based on goals established in the 2020 Plan. TWC continues efforts to meet established targets by FY27.

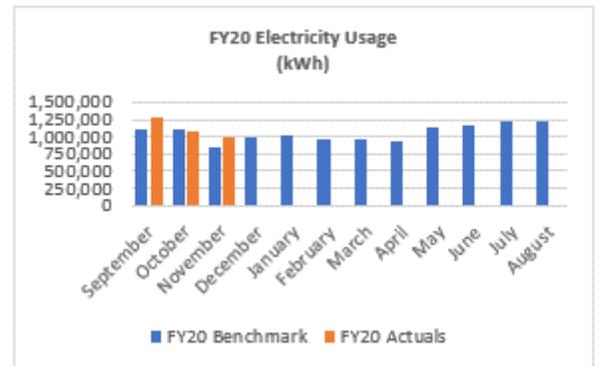


Usage Updates

The next three bar graphs show electricity, natural gas, and water usage in Q1.

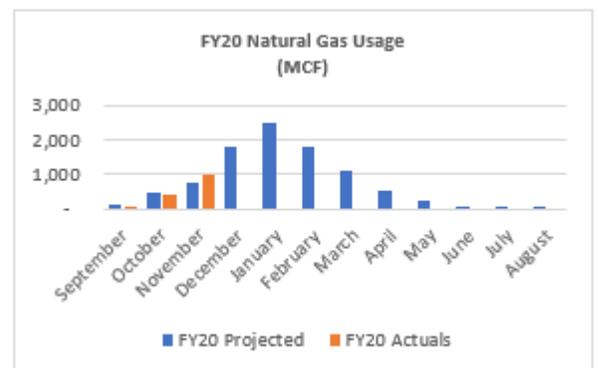
Electricity Usage Update

Electricity usage in Q1 was slightly higher due to 18 triple digit days in September 2019. In comparison, the last triple digit day in 2018 was September 1.



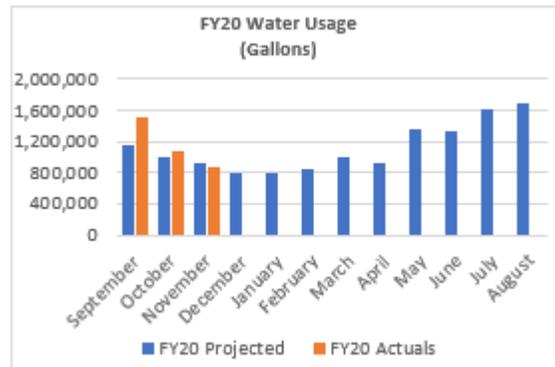
Natural Gas Usage Update

Natural gas usage was consistently low in Q1. The graph shows usage for September through November.



Water Usage Update

Water usage in September was slightly higher than projections due to a water leak that occurred. TWC monitors water usage closely and noticed an increase in usage immediately. Upon investigation, a leak was discovered and repaired. Usage decreased after repairs were made.

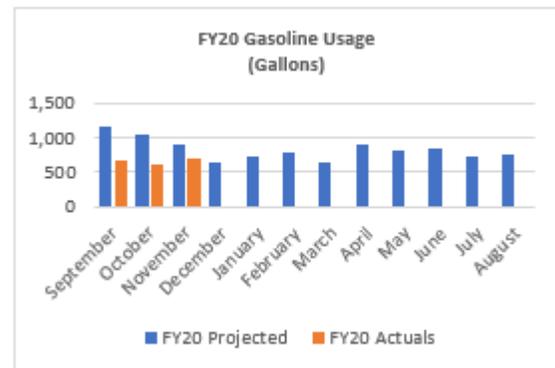


Gasoline Usage Update

The graph on the right shows gasoline usage in Q1.

Gasoline usage was consistently lower than projections. Total gasoline usage in Q1 was 1,986 gallons, which represents a 12.8 percent decrease in usage from Q1 FY19.

TWC maintains a fleet of 37 vehicles, of which 21 (57%) are alternative fuel capable. As fleet vehicles age, TWC seeks to replace them with vehicles that are alternative fuel capable, thereby reducing gasoline usage.



Initiatives to Reduce Energy Consumption

The following projects were in progress during Q1 FY20. Status updates are provided below.

1. Fort Worth Boiler Replacement: To remove and replace existing boiler and connection of associated controls and utilities, resulting in reduced utility costs. **Status:** Project was completed in November 2019.
2. Austin Criss Cole Rehabilitation Center Make-Up Air: To repair/reprogram existing controls and components, improving functionality, indoor air quality and pressurization, and possibly reducing utility costs. **Status:** Project was completed in November 2019.
3. Austin Guadalupe Heating, Venting and Air Conditioning (HVAC) Replacement: To replace existing air conditioning equipment, controls and components, improving functionality, indoor air quality and pressurization, and possibly reducing utility costs. **Status:** Project completion further extended from January to March 2020 due to additional work required.
4. Austin Annex Air Handling Unit (AHU) Reconfiguration: To remove select units and replace with new modular fan wall systems, coil units, hydronic piping and controls. **Status:** Project completion further extended from January to April 2020 due to additional work required.
5. Austin Main Window/Glazing Replacement: To replace existing windows and sealant in the Main Building, resulting in reduced utility costs. **Status:** Project in progress.
6. CCRC Walk-in Cooler/Freezer Replacement: To replace two large and two small refrigerator/freezer coolers, possibly reducing utility costs. **Status:** Project in progress.

Steps to Reduce Energy Consumption

Energy consumption remains a high priority to TWC. The following are steps TWC takes on an ongoing basis, where feasible, to reduce electricity usage.

1. Activate power management policies that turn off or reduce use of IT networked assets based on business hours and periods of low use.
2. Increase telecommuting options.
3. Turn off lights in unused offices, conference rooms, hallways, etc. at peak hours of the day especially during triple-digit heat days. Install lighting motion controls that automatically turn the lights off when the rooms are not occupied. Install LED light fixtures to reduce electrical consumption.
4. Utilize/incorporate a paperless initiative.
5. Replace roof top AHUs and replace existing controls and components.