

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 2023

Introduction

This report by the Texas Workforce Commission (TWC) fulfills a requirement for quarterly reporting on energy conservation as directed by Executive Order RP-49. Information included in this report is consistent with the goals and targets identified in the TWC 2022 Energy and Water Management Plan (“Plan”). This Plan carries out the following legislative directives: Government Code §[447.009](#), which requires agencies to set percentage goals; Government Code §[447.010](#), which sets the target reduction of fuel usage at five percent; and Health and Safety Code §[388.005](#), which sets the target reduction of electricity usage at five percent.

This is the first quarter (Q1) report for Fiscal Year (FY) 2023. The reporting period is September 2022 through November 2022. While usage of certain energy forms increased in some months of FY23 Q1 as compared to FY22 Q1, the agency’s usage was lower than projected in three out of four categories tracked. The details for each tracked category and how the usage compared to projections and FY22 usage are provided below.

Usage Updates

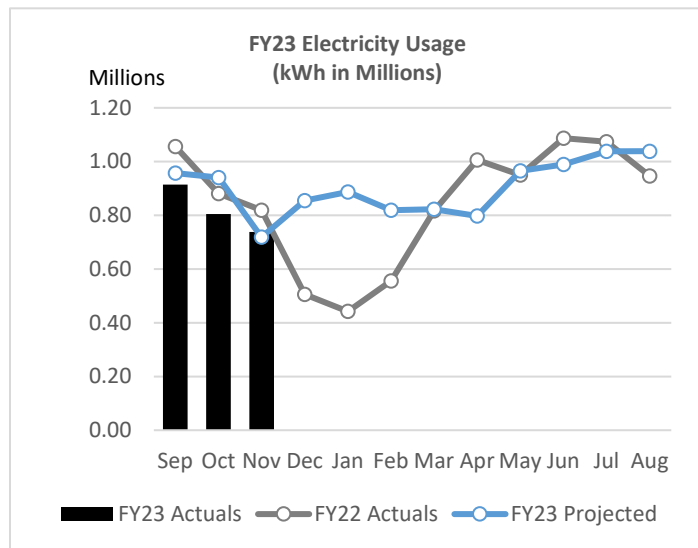
The next four bar graphs show electricity, natural gas, water, and fuel usage in FY23 Q1. FY23 projections are based on FY22 usage and a calculation of the percentage goals identified in the Plan.

Electricity Usage Update

Electricity usage was lower than projected in September and October 2022. Overall usage for the quarter was six percent lower than projected.

In FY23 Q1, lower temperatures resulted in reduced electricity needed for cooling by the Heating, Ventilation and Air Conditioning (HVAC) systems.

The total electrical usage for the three months of FY23 Q1 was 2.46 million kilowatt-hours (kWh) compared to 2.76 million kWh in FY22 Q1. This represents an 11 percent decrease in usage from FY22 Q1.

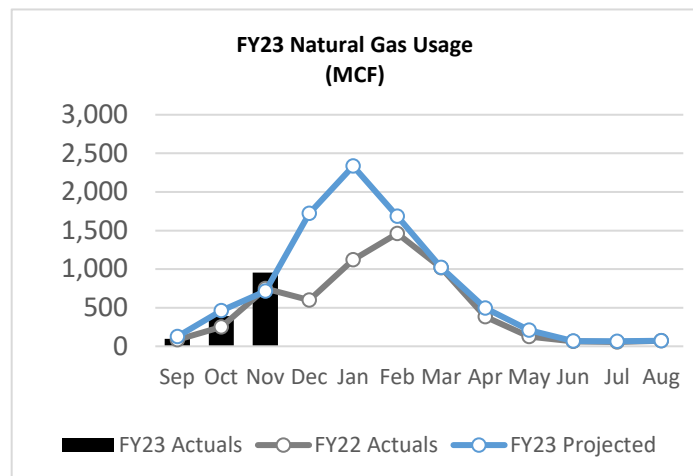


Natural Gas Usage Update

Natural gas usage was lower than projected in September and October 2022, but higher than projected in November 2022. Overall usage for the quarter was 11 percent higher than projected.

October and November 2022 were characterized by low temperatures averaging 1.5 and two degrees cooler than usual, respectively, with temperatures below freezing on November 13. These lower temperatures increased gas heating demand from the facility HVAC systems.

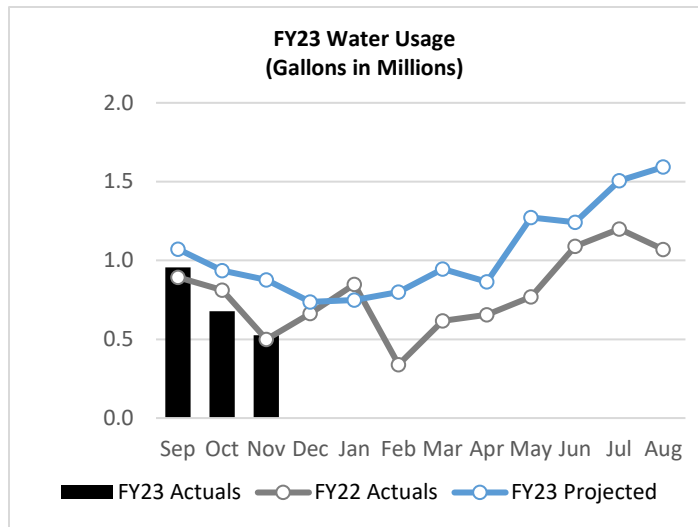
The total natural gas usage for the three months of FY23 Q1 was 1,442,000 cubic feet (1,142 MCF) compared to 1,082 MCF in FY22 Q1. This represents a 33 percent increase in usage from FY22 Q1.



Water Usage Update

Water usage was lower than projected for all three months in FY23 Q1. Overall usage for the quarter was 25 percent lower than projected.

Although usage was lower than projected, September and October 2022 represent an increase in usage from FY22 Q1 due to exceptional drought conditions that increased irrigation needs. November 2022 was unusually rainy, with an average of 4.1 inches of rain in the Austin area, 52 percent higher than the average of 2.7 inches, lowering irrigation water usage at multiple facilities.



The total water usage for the three months of FY23 Q1 was 2.16 million gallons compared to 2.20 million gallons in FY22 Q1. This represents a two percent decrease in usage from FY22 Q1.

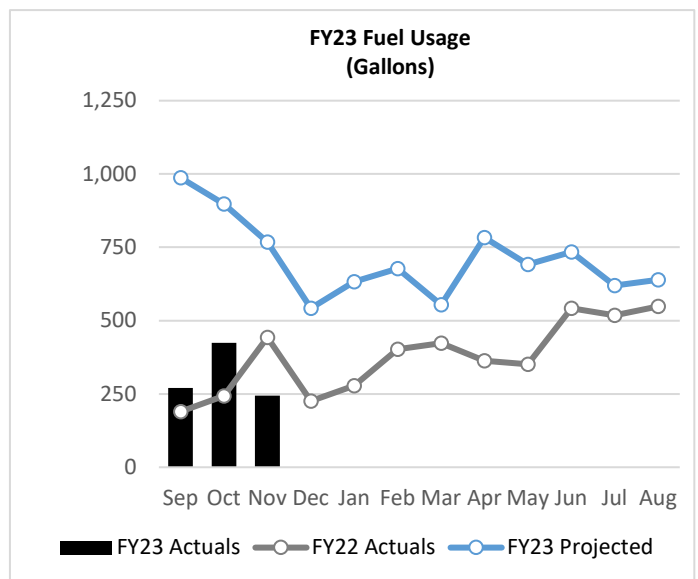
Fuel Usage Update

Gasoline usage was lower than projected for all three months in FY23 Q1.

However, actual usage was higher in September and October 2022 compared to 2021 due to increased fleet travel.

The Business Enterprises of Texas (BET) program has increased statewide travel to deliver equipment to support businesses managing cafeteria or food vending facilities by customers who are blind or visually impaired. In addition, the Criss Cole Rehabilitation Center (CCRC) has increased vehicle use for training and monitoring of CCRC students as they transition to working in the community

across the state. Further, Mail Services and Warehouse operations have also increased fuel



usage. BET and CCRC fleet activity decreased in November 2022 due to holiday schedules. This reduced fuel consumption for the month.

Total fuel usage for the three months of FY23 Q1 was 965.7 gallons compared to 875.9 gallons in FY22 Q1. This represents a 10 percent increase in usage from FY22 Q1.

Initiatives to Reduce Energy Consumption

The projects listed below are expected to reduce energy consumption and utility costs.

- McAllen Roof and HVAC/Building Management System Replacement is scheduled to be completed in November 2023.
- Building Management System Network Upgrade is scheduled to be completed in February 2024 (McKinney, Martin Luther King Warehouse, Mopac, and Trinity buildings).
- Fort Worth Chiller Replacement is scheduled to be awarded in July 2024.
- Austin Trinity HVAC Replacement project is in the planning stages with completion tentatively scheduled for July 2025.
- TWC maintains a fleet of 37 vehicles, of which 22 (59 percent) are alternative fuel capable. TWC plans to replace five vehicles with Alternative Fuel/Hybrid capable vehicles in FY23.
- Austin Main Window/Glazing project has been postponed until FY24-25.