

# Texas Workforce Commission

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## *Infrastructure Services Department*

*Quarterly Report on State Agency Energy Savings Program*

*As Required by Executive Order RP-49*



Second 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 second quarter (Q2) report for Fiscal Year (FY) 2023. The reporting period is December 2022 through February 2023.

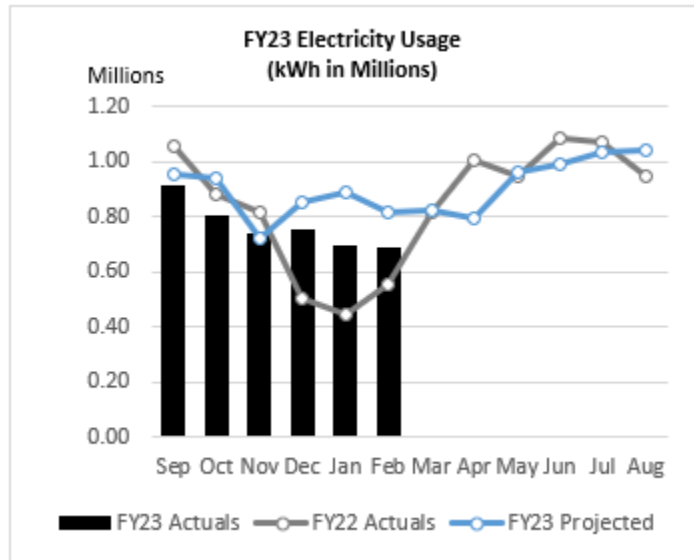
## Usage Updates

While usage of three out of four utilities increased in FY23 Q2 as compared to FY22 Q2, the agency’s usage was lower than projected in all four categories tracked. The increased demand in FY23 Q2 occurred due to higher building occupancy, which increased by 53.6 percent from October 2022 to March 2023. The bar graphs and explanations below show electricity, natural gas, water, and fuel usage in FY23 Q2. FY23 projections were based on FY22 data and a calculation of the percentage goals identified in the Plan. Where there are circumstances other than general increased occupancy that impacted usage, an explanation has been added in that category.

## Electricity Usage Update

Electricity usage was 16 percent lower than projected for FY23 Q2 and a 42 percent increase over FY22 Q2.

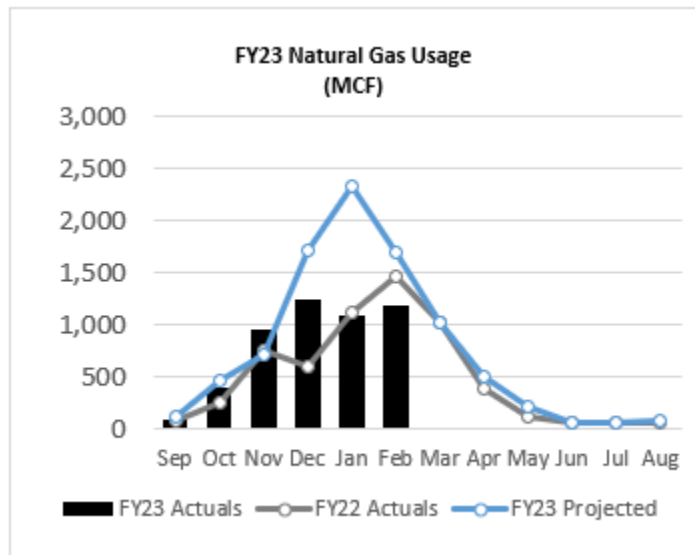
Total electrical usage increased to 2.14 million kilowatt-hours (kWh) compared to 1.50 million kWh in FY22 Q2. Texas experienced its hottest December 2022 on record, with temperatures 5–10 degrees higher than average. Higher temperatures than usual continued through the first two weeks of January 2023. This affected the electricity demand for climate control in TWC facilities.



## Natural Gas Usage Update

Natural gas usage was 38 percent lower than projected for FY23 Q2 and an 11 percent increase over FY22 Q2.

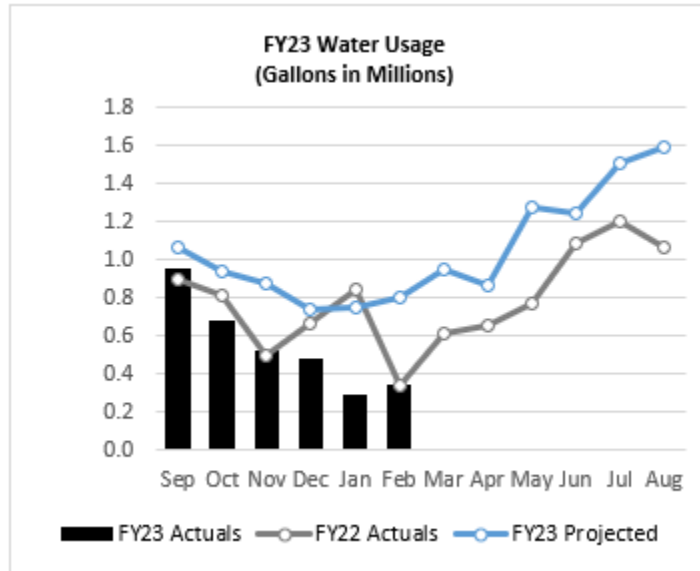
Total natural gas usage was 3,536,000 cubic feet (3,536 MCF) compared to 3,181 MCF in FY22 Q2.



## Water Usage Update

Water usage was 51 percent lower than projected for FY23 Q2 and was a 40 percent decrease from FY22 Q2 as further explained below.

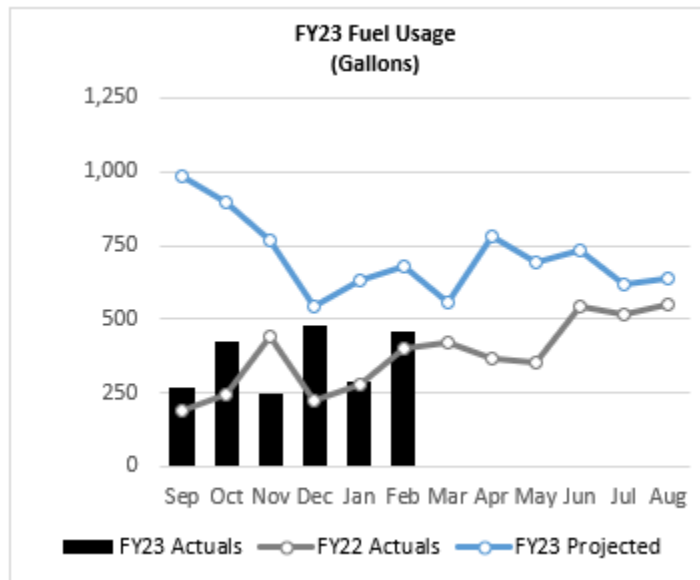
Total water usage was 1.12 million gallons compared to 1.85 million gallons in FY22 Q2. Water usage in FY22 Q2 was unusually high due to a water supply line break in Houston that was undetected for a few weeks. The 40 percent decrease in FY23 Q2 represents a quarter in which a major leak did not occur.



## Fuel Usage Update

Gasoline usage was 34 percent lower than projected for FY23 Q2 and 35 percent higher over FY22 Q2.

Total fuel usage for FY23 Q2 was 1,227 gallons compared to 906 gallons in FY22 Q2. In addition to the overall increases described in the Usage Updates section above, December 2022 saw high fuel usage because of more delivery requests. Also, the Criss Cole Rehabilitation Center (CCRC) student population was 75 percent greater in December 2022 compared to December 2021, adding to fuel usage for transportation. January 2023 CCRC transportation needs were reduced due to building construction and closure.



## Initiatives to Reduce Energy Consumption

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

- TWC maintains a fleet of 38 vehicles, of which 22 (58 percent) are alternative fuel capable. TWC plans to replace seven vehicles with Alternative Fuel/Hybrid capable vehicles in FY23.
- 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 May 2024 (McKinney, Austin 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 solicitation phase with completion tentatively scheduled for July 2025.
- CCRC Main Restroom Renovation project is in the planning stage with completion scheduled for FY24.
- Fort Worth 4<sup>th</sup> Floor Restroom Remodel is in the planning stage with completion scheduled for FY24.
- Austin Annex Roof Replacement is in the planning stage with completion scheduled for FY24–25.
- Austin MoPac Roof Replacement is in the planning stage with completion scheduled for FY24–25.
- Austin Main Window project is in the planning stage with completion scheduled for FY25.
- Fort Worth 1<sup>st</sup> Floor Restroom Remodel is in the planning stage with completion scheduled for FY25.
- Austin Main 6<sup>th</sup> Floor HVAC upgrade is in the planning stage with completion scheduled for FY26.