

Texas Department of Criminal Justice
Quarterly Report – April 1, 2025

State Agency

Energy Savings Program

Electricity

Natural Gas

Transportation Fuel

Water

Executive Order RP-49

April 2025

TABLE OF CONTENTS

<i>SECTION</i>	<i>TITLE</i>	<i>PAGE No.</i>
I.	Goals	3
II.	Consumption Update	4-8
III.	New Ideas	9
IV.	Plan Implementation Responsibility	10

I. Goals

Electricity, Natural Gas and Water:

The Texas Department of Criminal Justice (TDCJ) has continued with implementation of Executive Order RP-49. Utility and energy consumption reduction remains a high priority of the agency. The TDCJ is committed to the goal of a 2.5% reduction for electricity, natural gas, and water. All TDCJ regions and individual units have been provided quarterly information to track electricity, natural gas, and water consumption, then compared to individual targets, and the relationship to the overall agency consumption goal shown on page 4. The current agency consumption updates are provided on pages 5, 6, and 7.

The Regional Utility and Energy Cost/Consumption Reports and the Energy Consumption Reduction Awareness Training Pamphlet are available on the TDCJ Intranet. This allows Regional Directors and Wardens access to review unit costs, consumption data, and ranking reports.

The TDCJ has conducted Preliminary Energy Audits (PEA's) at facilities across the state. The information provided from the PEA's allows the TDCJ to incorporate energy considerations into each design with strategic processes and priorities. The TDCJ then analyzes and evaluates various impacts using the most energy efficient products to provide the best energy cost savings for the State of Texas.

When applicable and cost effective the TDCJ is upgrading equipment/systems for replacement. This includes, equipment/systems such as, but not limited to; water heaters, water heating systems, lighting (LED lamps), windows, roofs, pumps, motors, and HVAC systems.

Transportation Fuel:

The TDCJ is committed to achieving the target goal established by the Executive Order RP-49 of an annual 2.5% decrease in transportation fuel consumption. The TDCJ has compiled a consumption comparison report using the data collected in the TDCJ Fleet Management System (VEH). The information is presented in two formats, by division and by type of vehicle. This comparison report is then forwarded to the TDCJ's executive staff to be used as a monitoring tool.

All the TDCJ divisions and employees should adhere to the TDCJ Administrative Directive 02.50 Vehicle Policy. Strict enforcement of the proper uses of state vehicles, bulk fueling stations, and car-pooling could result in additional savings.

The TDCJ will continue to review current policies and procedures on vehicle usage for perimeter patrol, inmate transport, escape recovery, and emergency evacuation for potential energy conservation. Any additional areas identified as a potential energy savings will be included in future quarterly reports.

II. Consumption Update

Texas Department of Criminal Justice

Agency Consumption Targets

Electricity, Natural Gas and Water

	Metered kWh	Metered MCF	Total Water K Gallons	EL \$/kWh	NG \$/MCF	Water \$/K Gal
FY24	605,366,365	3,237,547	9,883,788	\$0.085	\$4.149	\$4.335
FY23	608,890,559	3,276,486	9,569,048	\$0.084	\$5.530	\$3.896
FY22	625,792,998	3,289,528	9,437,297	\$0.072	\$7.227	\$3.680
	613,349,974	3,267,854	9,630,045	3-Year Averages		
	15,333,749	81,696	240,751	2.5% of Averages		
	590,032,616	3,155,851	9,643,037	Target Consumption		

Targets = FY24 Totals less 2.5% of averages

Transportation Fuel

	Gallons	Average \$/Gallon
FY24	4,391,091	\$3.81
FY23	4,244,676	\$4.04
FY22	4,153,252	\$4.25
	4,263,006	3-Year Average
	106,575	2.5% of Averages
	4,284,515	Target Consumption

The above price per gallon does not include Federal Tax, but it does include State Tax of \$0.20 per gallon.

Texas Department of Criminal Justice

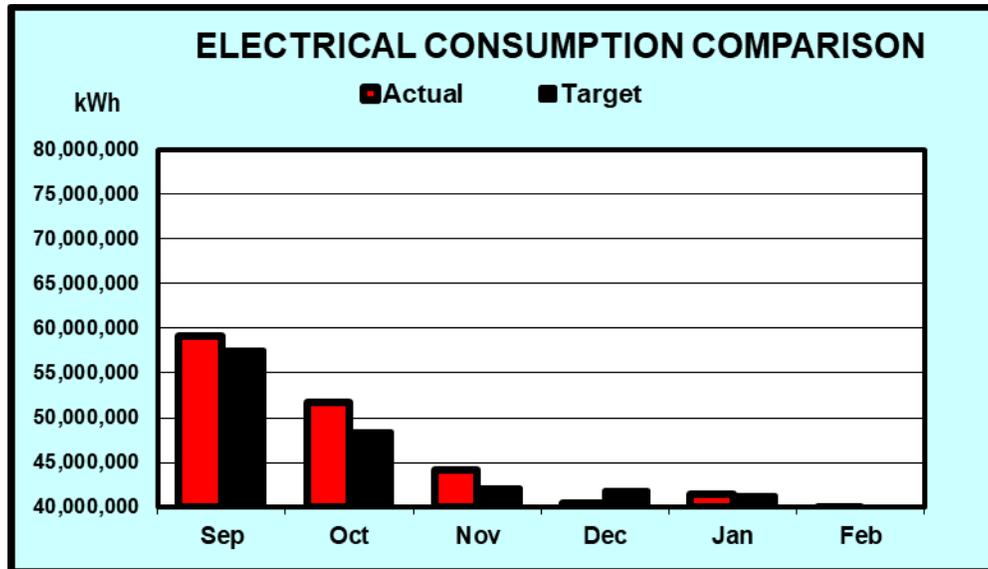
Electricity Consumption Update

Reporting Period: **September 1, 2024 to February 28, 2025**

ELECTRICITY			
	EL kWh	Targets kWh	Over (Under) Target
Sep	59,121,944	57,576,114	1,545,830
Oct	51,682,689	48,371,029	3,311,660
Nov	44,216,906	42,211,834	2,005,072
1st Qtr	155,021,539	148,158,977	6,862,562
Dec	40,454,145	41,889,924	(1,435,779)
Jan	41,530,738	41,313,599	217,139
Feb	39,581,396	38,819,973	761,423
2nd Qtr	121,566,279	122,023,496	(457,217)
Totals	276,587,818	270,182,473	6,405,345

1st Qtr. =4.63% Above Target, 2nd Qtr. =0.37% Below Target

February billing not finalized; amounts reflect February FY24.



Texas Department of Criminal Justice

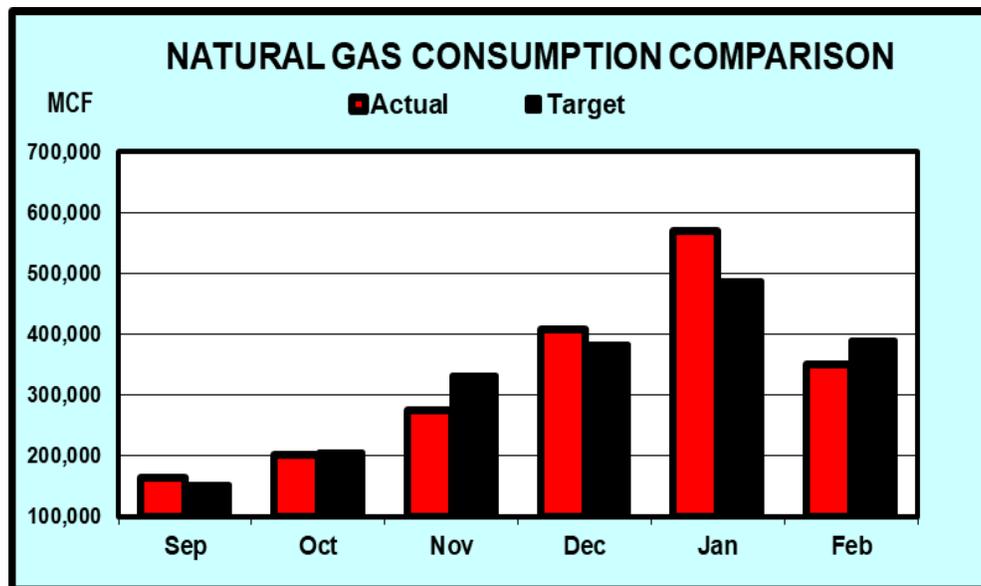
Natural Gas Consumption Update

Reporting Period: **September 1, 2024 to February 28, 2025**

NATURAL GAS			
	NG MCF	Targets MCF	Over (Under) Target
Sep	164,603	153,636	10,967
Oct	202,917	206,922	(4,005)
Nov	274,801	333,211	(58,410)
1st Qtr	642,321	693,769	(51,448)
Dec	407,229	383,616	23,613
Jan	571,281	488,224	83,057
Feb	350,978	391,260	(40,282)
2nd Qtr	1,329,488	1,263,100	66,388
Totals	1,971,809	1,956,869	14,940

1st Qtr. =7.42% Below Target, 2nd Qtr. = 5.26% Above Target

February billing not finalized; amounts reflect February FY24.



Texas Department of Criminal Justice

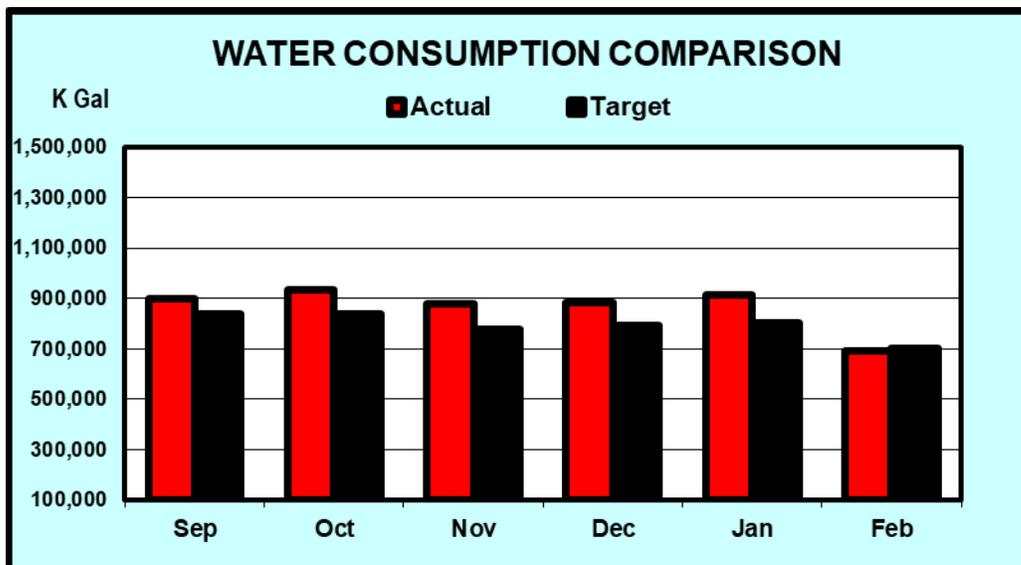
Water Consumption Update

Reporting Period: **September 1, 2024 to February 28, 2025**

WATER			
	WATER K Gallons	Targets K Gallons	Over (Under) Target
Sep	896,400	836,771	59,629
Oct	935,166	839,771	95,395
Nov	878,371	776,830	101,541
1st Qtr	2,709,937	2,453,372	256,565
Dec	881,021	792,596	88,425
Jan	913,062	805,093	107,969
Feb	692,502	700,588	(8,086)
2nd Qtr	2,486,585	2,298,277	188,308
Totals	5,196,522	4,751,649	444,873

1st Qtr. = 10.46% Above Target, 2nd Qtr. = 8.19 Above Target

February billing not finalized; amounts reflect February FY24.



Texas Department of Criminal Justice

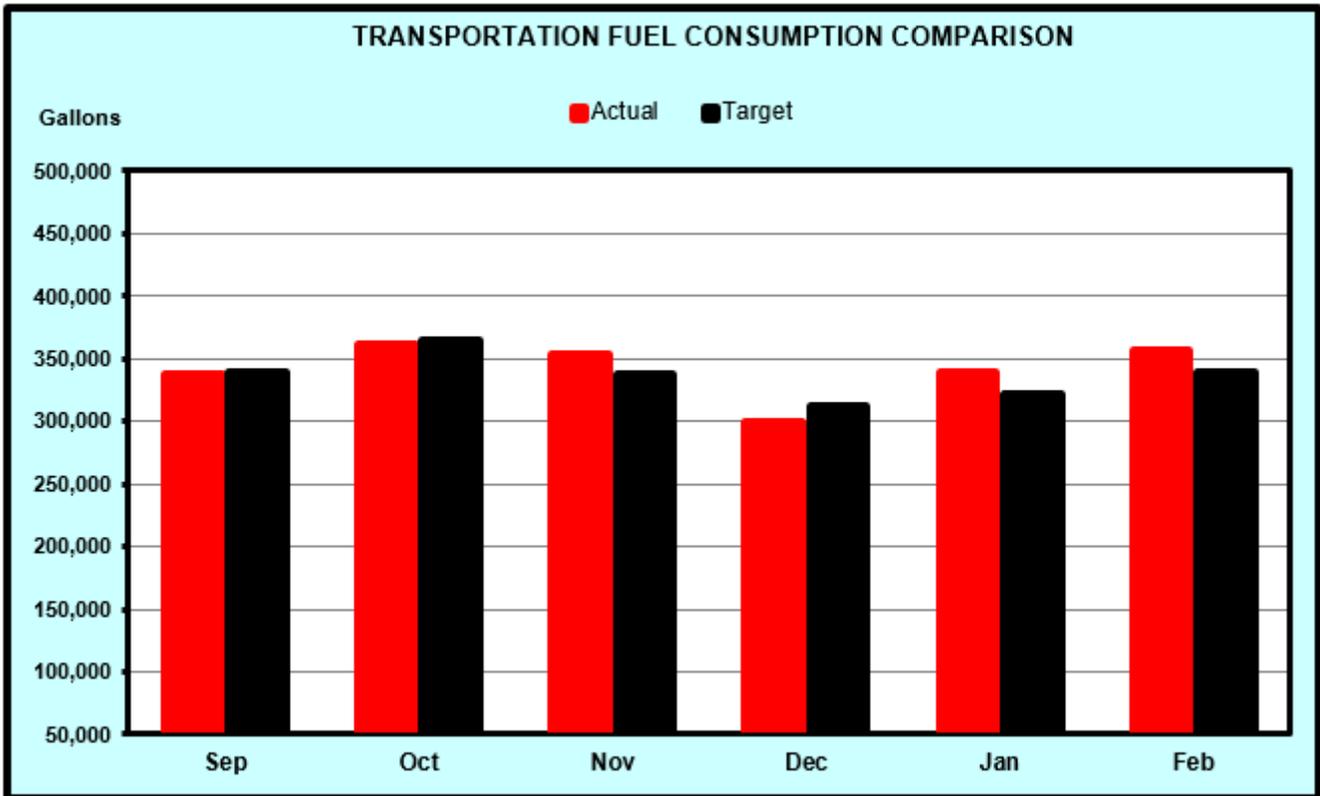
Transportation Fuel Consumption Update

Reporting Period: **September 1, 2024 to February 28, 2025**

TRANSPORTATION FUEL			
	Gallons	Targets	Over (Under) Target
Sep	337,237	339,100	(1,863)
Oct	360,978	365,311	(4,333)
Nov	353,353	337,755	15,598
1st Qtr	1,051,568	1,042,166	9,402
Dec	300,308	312,348	(12,040)
Jan	339,836	321,839	17,997
Feb	356,695	338,754	17,941
2nd Qtr	996,839	972,941	23,898
Totals	2,048,407	2,015,107	33,300

1st Qtr. 0.90% Above Target, 2nd Qtr. 2.46% Above Target

February fuel not finalized; amounts reflect February FY24.



III. New Ideas

Electricity, Natural Gas and Water:

WATER HEATERS - In addition to replacing equipment with comparable standards, consideration is given for substitute technologies, which are cost effective and more energy efficient. In situations when older, less efficient boilers or heat exchangers fail, 100-gallon capacity natural gas water heaters are utilized. When less volume of hot water is required on-demand, natural gas water heaters can be used. Evaluate methods to control the combustion efficiency for boilers by using the correct amount of excess air to the % oxygen (or carbon dioxide concentration) utilizing a flue gas analyzer. Evaluate utilization of automatic boiler blow down devices.

LIGHTING – Utilization of LED's for indoor and outdoor lighting areas such as cells, administration, education, gymnasiums, parking lots, and high security locations are being utilized to upgrade existing fixtures.

WATER CONSERVATION - Water is a valuable resource throughout the State of Texas. The TDCJ is committed to sustainably managing this natural resource by means of engaging in a new conservation method to control and reduce water consumption. A water controlling application is newly incorporated into plumbing systems at several facilities.

Transportation Fuel:

The TDCJ will continue to prepare notices to the TDCJ departments making them aware of the recommendations of Executive Order RP-49. As an agency, our goal is to reduce consumption, which can be reached if we make the employee using the vehicle or equipment aware of the goal.

The TDCJ continues to upgrade the agency fleet through appropriations by the legislature. Purchases have targeted a mixture of compact and midsize cars that continue to replace much older and less fuel-efficient vehicles, resulting in overall improved fuel efficiency.

In addition, the agency has added vehicles to the fleet in targeted areas of the state in order to reduce spending on personal mileage claims. These additional vehicles will result in some offset to fuel efficiency measures but will result in additional overall fiscal efficiency.

State Agency
Energy Savings Program Quarterly Report

Date: April 1, 2025

Agency: Texas Department of Criminal Justice

Plan contact: Ron Steffa, Chief Financial Officer

Contact telephone number: (936) 437-2107

Contact e-mail address: ron.steffa@tdcj.texas.gov

The electricity, natural gas, water and transportation fuel quarterly report for The Texas Department of Criminal Justice has been completed per Executive Order RP-49. The recommendations contained in the current 2019/2020 RP-49 supplement will continue to be implemented with specific responsibility for compliance charged to the agency Facilities Review Board. This report will be placed in a conspicuous place on the TDCJ WEB page per RP-49 instructions.

Name: Ron Steffa

Title: Chief Financial Officer, Texas Department of Criminal Justice

Signature: _____

Phone Number: (936) 437-2107

E-mail address: ron.steffa@tdcj.texas.gov