



March 11, 2024

Key points

- > Texas broke several annual records, based on the Energy Information Administration's (EIA) reporting for 2023 including:
 - Crude oil production: 5.5 million barrels per day (mb/d)
 - Natural gas marketed production: 29.0 billion cubic feet per day (bcf/d)

- NGL production: 3.3 mb/d
- Natural gas storage capacity: 863.4 billion cubic feet
- In February 2024, Texas' oil production is estimated to have eased from the record levels to 5.5 mb/d of crude oil, 3.5 mb/d of NGLs, and 31.6 bcf/d of natural gas marketed production
- > Texas' petroleum value chain highlights for December 2023 (see page 4 for complete flow chart)
 - Strong performance throughout the value chain, including the greatest NGL exports (2.4 mb/d) on record since 2010
- > Texas' natural gas flow highlights for December 2023 (see page 5 for complete flow chart)
 - Texas produced 27.8 bcf/d of dry natural gas in December 2023 by TXOGA's estimates
 - Texas consumers required 13.6 bcf/d, mainly for industry and electricity generation, while 13.3 bcf/d was exported, including 8.4 bcf/d of LNG and 4.9 bcf/d via pipelines to Mexico, per EIA and USITC data
- Texas exported over \$221 billion of oil, natural gas, and derived products in 2023, per data from the U.S. International Trade Commission (USITC)
- For the Electric Reliability Council of Texas (ERCOT) region, thermal and dispatchable sources generated 80% or more of the region's electricity during one quarter of all hours in January and February

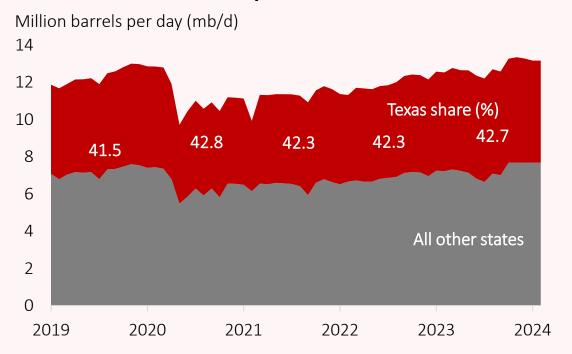


Texas' oil and natural gas production ended 2023 strongly by TXOGA's estimates

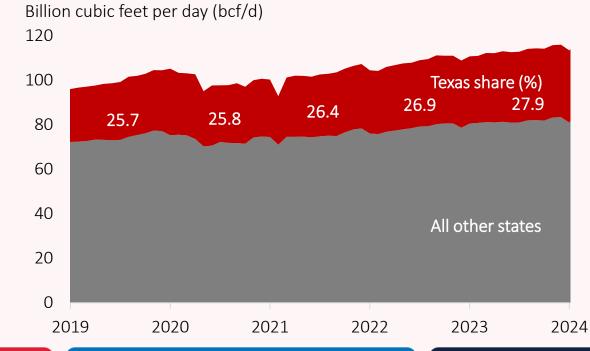


- TXOGA's projections for February 2024 showed Texas' production remained near record levels at 5.6 mb/d of crude oil, 3.5 mb/d of NGLs, and 31.6 bcf/d of natural gas marketed production
- Texas' market shares increased
 - In 2023, Texas' annual average share of U.S. output rose to 42.7% for oil (highest since 2020) and 27.9% for natural gas marketed production (highest since 2014)

U.S. and Texas crude oil production



U.S. and Texas natural gas marketed production



Texas' petroleum value chain – December 2023



- New Texas records established in December 2023:
 - Highest Texas refiner and blender net inputs: 5.69 mb/d
 - Highest refined product exports on record: 4.39 mb/d
 - Highest crude oil supply (in-state production plus imports and interstate net receipts): 9.9 mb/d

Texas' petroleum value chain estimates for December 2023

Thousand barrels per day (kb/d)



¹ Includes unfinished oils, hydrogen/biofuels/other hydrocarbons, and gasoline blending components

Notes: Based on EIA's preliminary data, which are subject to revision, and USITC trade data. TXOGA estimation is required for consumption by fuel and end-use sector, which influence the interstate movement calculations



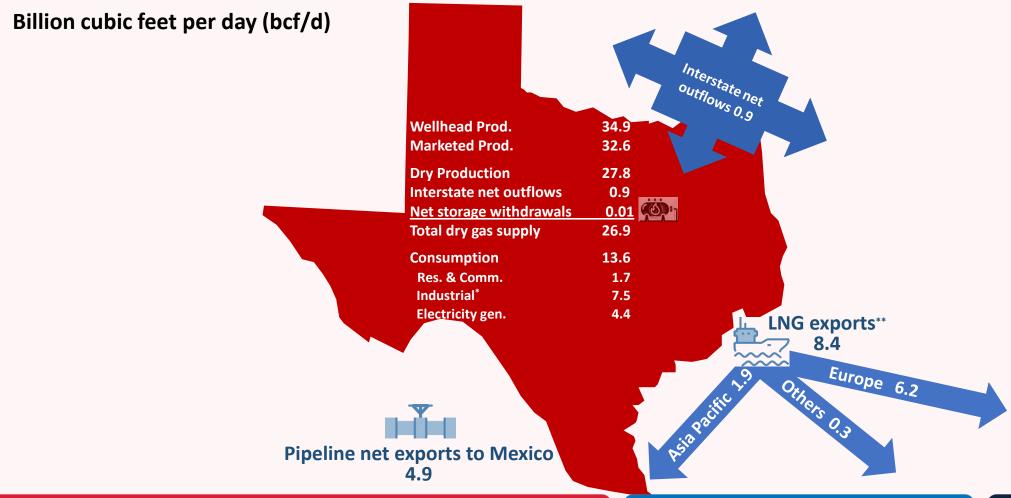
² Includes NGL field production (Inland 3,352, Gulf Coast 165), biofuels net plant production (-7) minus refiner and blender net inputs (inland 21, Gulf Coast 317) and TX NGL exports (2,220)

³ Includes finished products and HGLs

Texas' natural gas flows in December 2023: Record-high production enabled solid consumption and exports with a minimal change in storage levels



- Texas produced 27.8 bcf/d of dry natural gas in December 2023 by TXOGA's estimates
- > Texas consumers required 13.6 bcf/d, mainly for industry and electricity generation, while 13.3 bcf/d was exported, including 8.4 bcf/d of LNG and 4.9 bcf/d via pipelines to Mexico, per EIA and USITC data

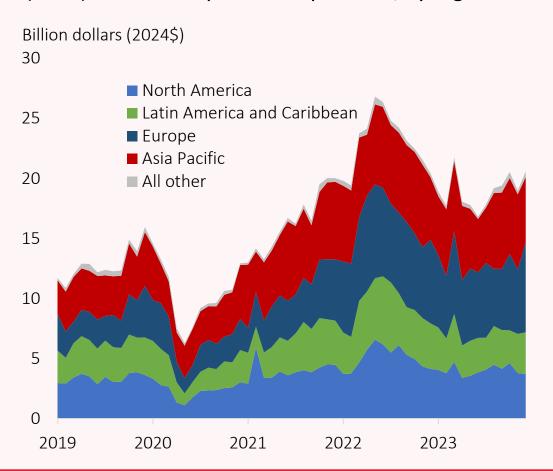


Texas exported over \$221 billion of energy products in 2023

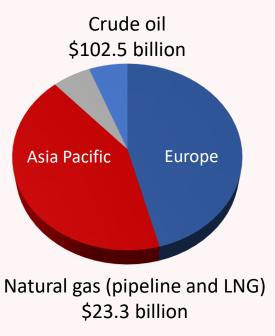


> Texas' overall energy exports appear evenly distributed among major regions, but regional product markets differ

Texas' exports of oil, natural gas, hydrocarbon gas liquids (HGLs) and refined petroleum products, by region and month



2023 Texas' exports by product and region \$221.4 billion





Refined petroleum products \$68.3 billion



Hydrocarbon gas liquids (HGLs) \$27.3 billion

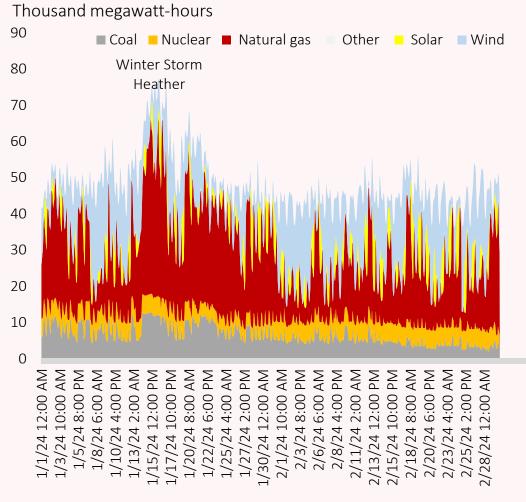




Nearly 25% of the time, ERCOT's thermal and dispatchable generation sources provided over 80% of the region's power



ERCOT hourly electricity generation by source, 1/1/24–3/1/24



- Thermal and dispatchable energy sources generated over 80% of ERCOT's electricity during 353 of the last 1,441 hours (24.5% of the time).
- During Winter Storm Heather on January 13-16, 2024, thermal and dispatchable sources as much as 95% of ERCOT's electricity

ERCOT planned natural gas resource additions*

Unit name	In Service	Type**	Installed capacity rating (MW)
Air Products GCA	2024	ST	14
Beachwood II Power Station (U7-U8)	2024	GT	-
Remy Jade Power Station	2024	GT	-
Remy Jade II Power Station	2024	GT	-
Sky Sealy	2025	IC	_
TECO GTG2	2024	GT	50
Uhland Maxwell	2025	IC	-
Total			64

^{*}With Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies

^{**} ST=Steam Turbine, GT = Combustion Turbine; IC = Internal Combustion Engine



Texas' petroleum facts at-a-glance









Texas' new annual records for 2023, based on Energy Information Administration (EIA) data:

- Crude oil production: 5.5 mb/d
- NGL production: 3.3 mb/d
- Natural gas gross withdrawals: 31.1 bcf/d
- Natural gas marketed production: 29.0 bcf/d
- Dry natural gas production: 25.0 bcf/d
- Natural gas underground storage capacity: 863.4 billion cubic feet (since June 2023)

Texas' new monthly records set in December 2023:

- Natural gas marketed production: 32.6 bcf/d
- Refiner and blender net inputs: 5.69 mb/d
- Refined product exports: 4.39 mb/d
- Highest crude oil supply (in-state production plus imports and interstate net receipts): 9.9 mb/d



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