



**OCTOBER 2023**

The text is in a bold, dark blue sans-serif font. The background features large, stylized geometric shapes in red, blue, and dark blue, including a red diamond with a white outline and blue angular shapes.

# Key points

## ➤ TXOGA estimates that Texas established two new production records in September 2023:

- Crude oil production rose to a record high of 5.9 million barrels per day (mb/d) in September, and
- Texas produced record high natural gas gross withdrawals of 34.6 bcf/d.

## ➤ Texas' petroleum value chain highlights for July 2023\* show that, as crude and natural gas liquids (NGL) production has climbed, in-state refiners have utilized record amounts of the state's light sweet crude and liquids. (see [page 4](#) for complete flow charts)

- Natural gas liquids (NGL) field production (3.4 mb/d) highest on record
- Refiner & blender crude oil net inputs (5.6 mb/d) highest on record
- Refiner NGL direct use (3.1 mb/d) highest on record

## ➤ Texas' natural gas flows highlights for July 2023 (see [page 5](#) for complete flow charts)

- TXOGA estimates that Texas produced 27.2 billion cubic feet per day (bcf/d) of dry natural gas in July, supplemented by 5.0 bcf/d of interstate net inflows.
- Texas consumers required 14.9 bcf/d, mainly for electricity generation and industry, and another 17.8 bcf/d was exported (LNG of 12.1 bcf/d and pipeline gas of 5.7 bcf/d).

## ➤ Texas exported nearly \$125 billion of oil, natural gas and derived products in the first seven months of 2023.

# How well did TXOGA do?

- ▶ Official data from the U.S. Energy Information Administration (EIA) are at least two months in arrears, and state data on dry natural production are unavailable after 2022.
- ▶ TXOGA began publishing this report in August, and comparisons of our estimates with official data for July, as EIA reported on Sep. 29, follow.
  - For crude oil and natural gas marketed production, TXOGA’s projections for July 2023 were within 0.5% of EIA’s September reports of data covering July.
  - For natural gas liquids production and natural gas gross withdrawals, TXOGA’s estimates were within 2% of EIA’s reports for July.
- ▶ Note that TXOGA’s estimates understated reported EIA’s reported production for July. Historical testing suggests that our models are unbiased, but we will monitor and adjust if necessary.

	TXOGA	TXOGA	U.S. EIA	TXOGA diff. vs. EIA
Estimates as of:	Oct. 3, 2023	Sep. 6, 2023	Sep. 29, 2023	(Sep. estimates)
<b>Crude oil production (mb/d)</b>				
July	5.62	5.60	5.63	-0.5%
August	5.76	5.74		
September	5.88			
<b>Natural gas liquids (NGL) production (mb/d)</b>				
July	3.31	3.29	3.36	-2.1%
August	3.26	3.24		
September	3.18			
<b>Natural gas production - gross withdrawals (bcf/d)</b>				
July	33.62	33.41	34.23	-2.4%
August	34.01	34.10		
September	34.59			
<b>Natural gas production - marketed production (bcf/d)</b>				
July	31.98	31.80	31.94	-0.4%
August	31.81	30.90		
September	31.86			
<b>Natural gas production - dry natural gas production (bcf/d)</b>				
July	27.20	26.52	n/a	n/a
August	27.10	26.35		
September	27.27			

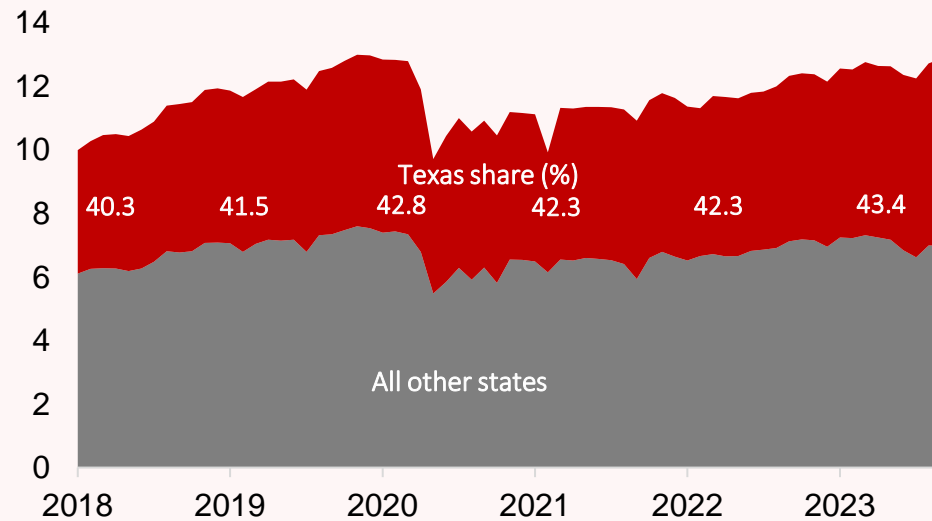
# Texas is estimated to have set new production records for crude oil and natural gas liquids in September 2023



- ▶ **New Texas production records.** TXOGA estimates that in September 2023 Texas produced:
  - 5.9 mb/d of crude oil and
  - 34.6 bcf/d of natural gas gross withdrawals
- ▶ **Market share gains.** Year-to-date through August, Texas' shares of U.S. production rose to **43.4%** of oil and **27.5%** of natural gas marketed production

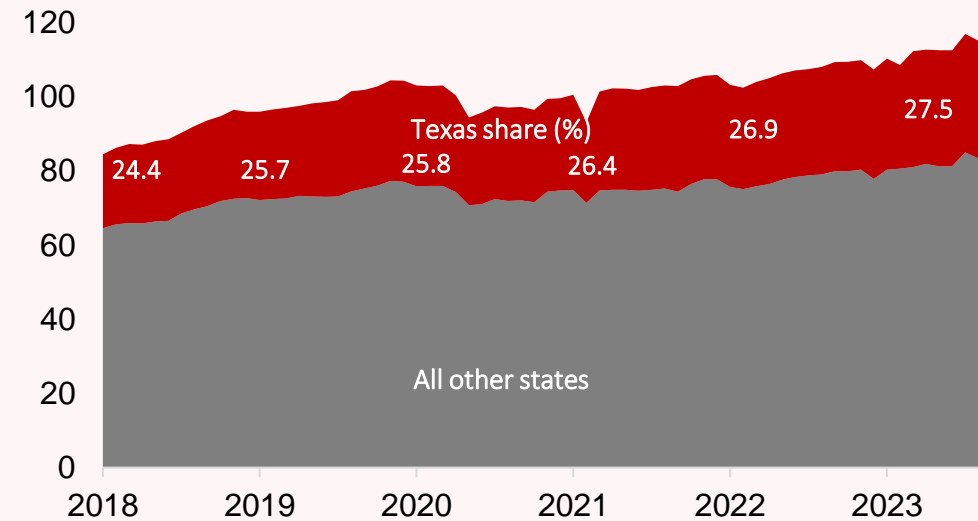
## U.S. and Texas crude oil production

Million barrels per day (mb/d)



## U.S. and Texas natural gas marketed production

Billion cubic feet per day (bcf/d)



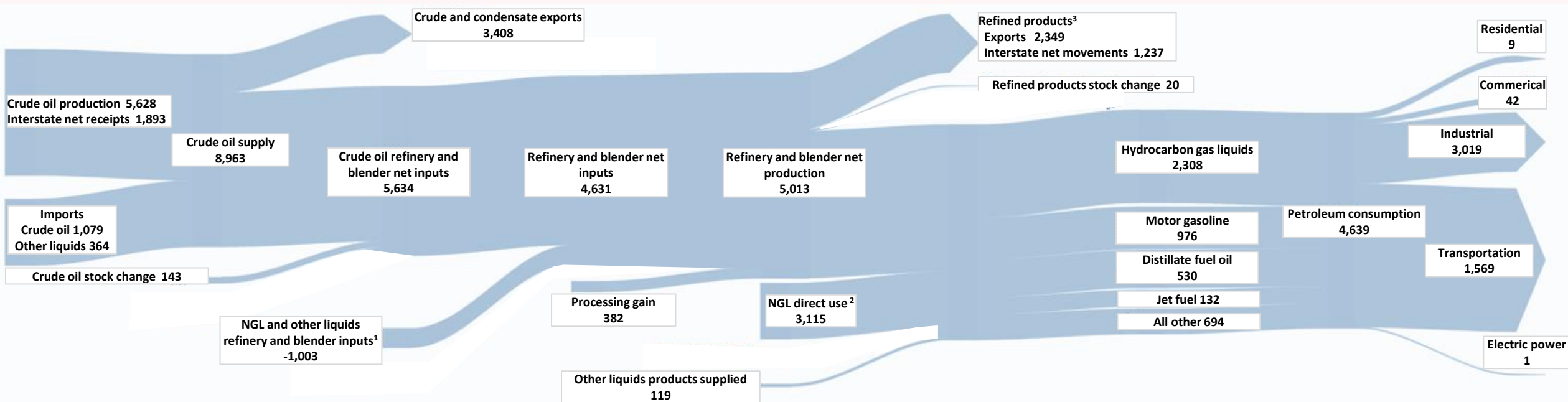


# Texas' petroleum value chain – July 2023

- **Near-record crude oil supplies.** With Texas crude oil production of 5.6 mb/d in July per the U.S. Energy Information Administration (EIA), TXOGA estimates the state's crude oil supply was 9.0 mb/d (2<sup>nd</sup> highest ever), including 1.4 mb/d of liquids' imports and 1.9 mb/d from New Mexico and other states that rely on Texas' refining and export capabilities
- **Two new records in July:** Texas refineries 1) processed crude oil net inputs of 5.6 mb/d and 2) directly utilized 3.1 mb/d of natural gas liquids (NGLs)

## Texas – estimated petroleum value chain – July 2023

Thousand barrels per day (kb/d)



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

<sup>2</sup> Includes NGL field production (Inland 3,200, Gulf Coast 163), biofuels net plant production (-7) minus refiner and blender net inputs (inland 14, Gulf Coast 227)

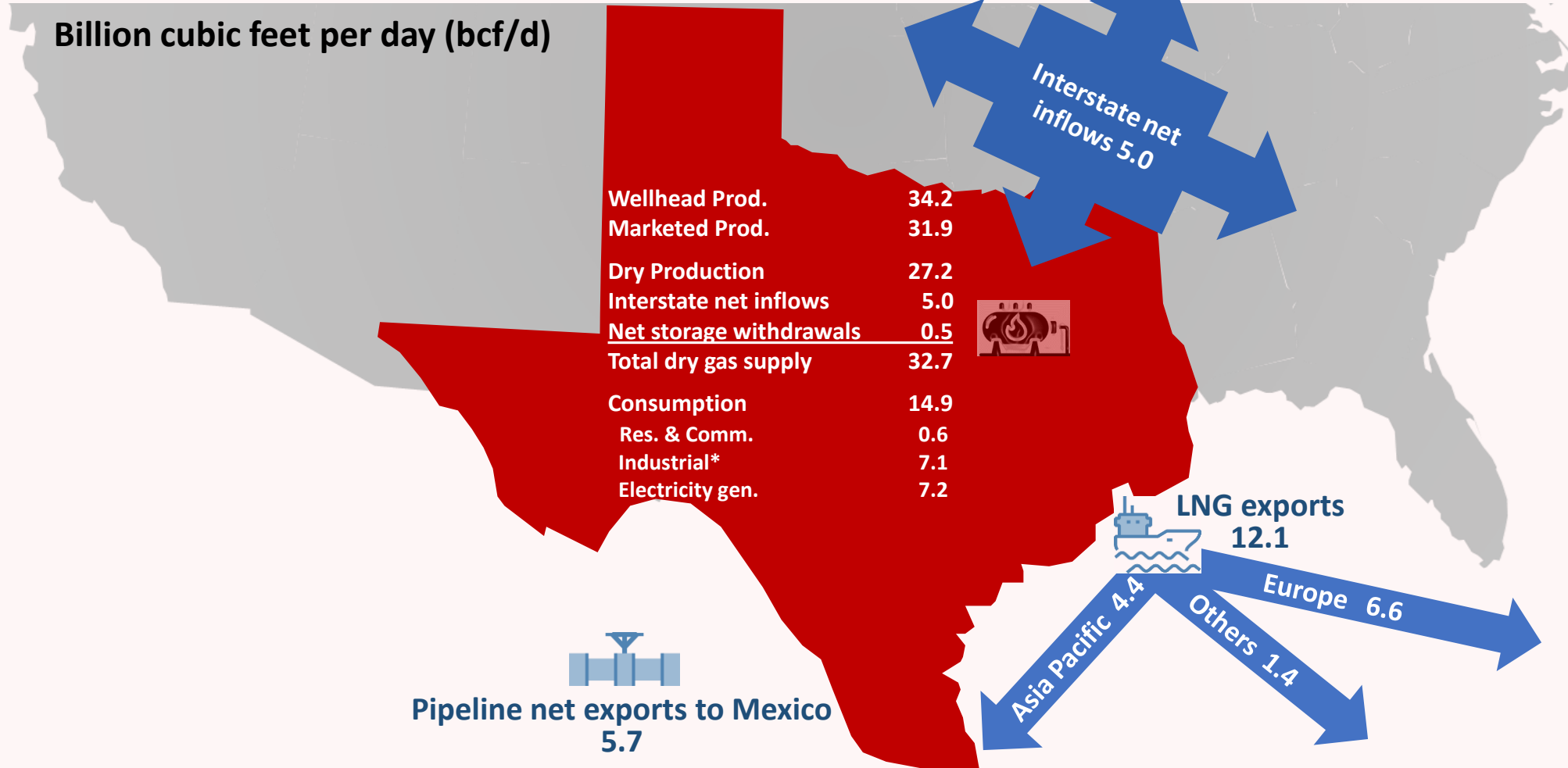
<sup>3</sup> Includes finished products and HGLs

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



# Texas' natural gas flows in July 2023: Production supported historically strong consumption and exports while keeping downward price pressure

- ▶ Texas produced 27.2 billion cubic feet per day (bcf/d) of dry natural gas in July, supplemented by 5.0 bcf/d of interstate net inflows, per TXOGA's estimates
- ▶ Texas consumers required 14.9 bcf/d, mainly for electricity generation and industry, and 17.8 bcf/d was exported (LNG of 12.1 bcf/d and pipeline gas of 5.7 bcf/d)



\*Includes industrial end-use consumption plus lease, plant, pipeline and distribution fuel  
sources: U.S. Energy Info. Admin.; U.S. International Trade Commission; TXOGA analysis

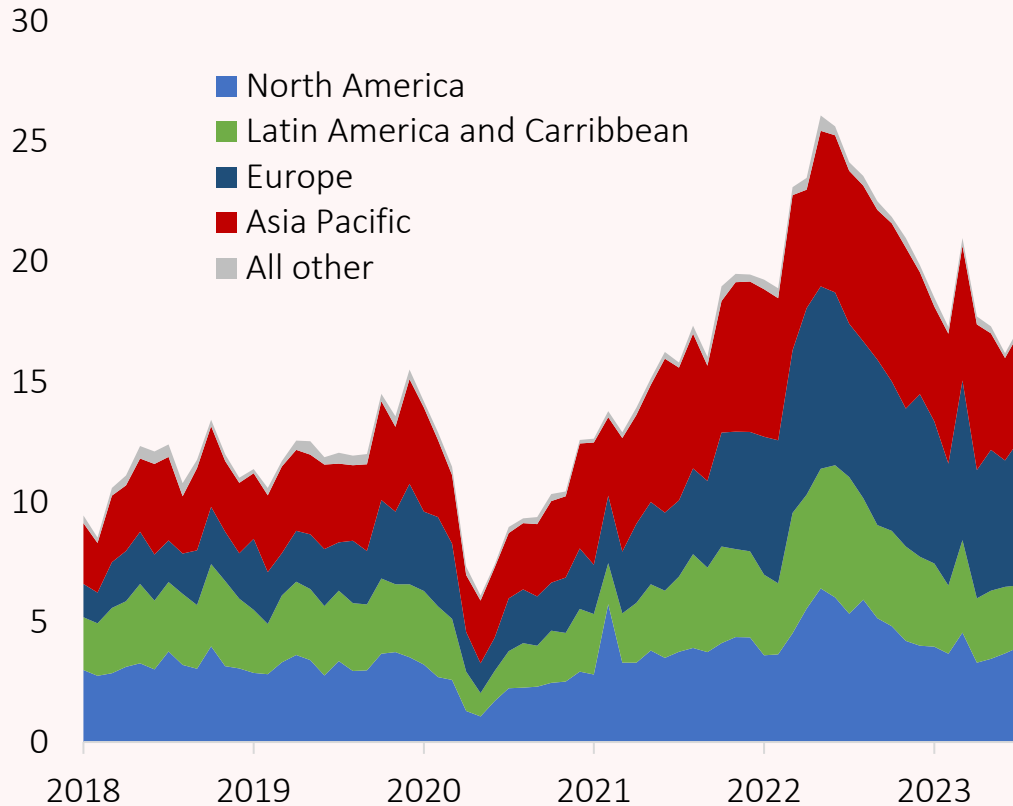
# Texas exported nearly \$125 billion of energy products in the first seven months of 2023



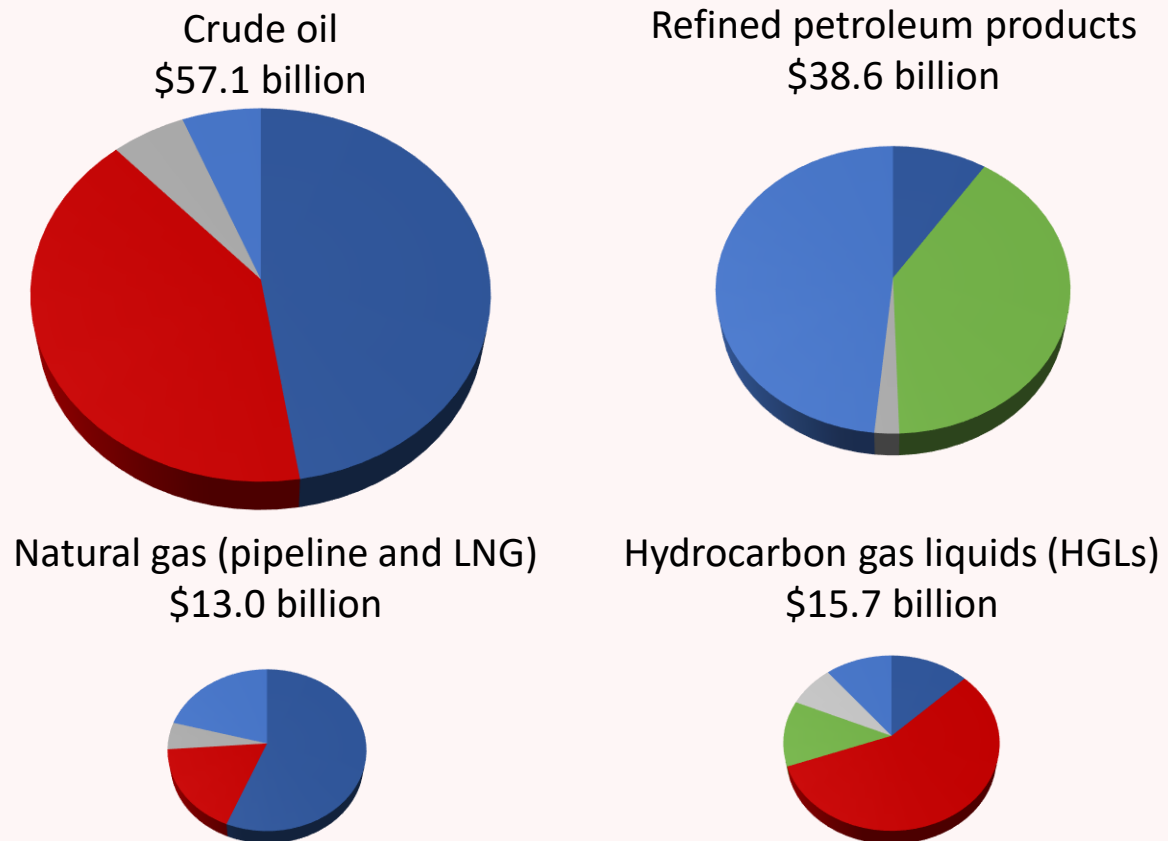
▶ Texas' overall energy exports appear evenly distributed by region, but regional product markets differ

Texas' exports oil, natural gas, HGLs and refined petroleum products, by region and month

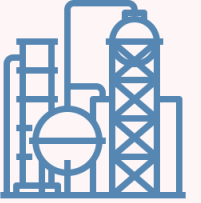
Billion dollars (2023\$)



Texas' exports by product and region  
July 2023 year-to-date total: **\$124.4 billion**



# Texas' petroleum facts at-a-glance



## TXOGA estimates for September 2023

- **Highest Texas crude oil production (5.9 million barrels per day, mb/d) for any month on record**
- **Highest Texas natural gas production gross withdrawals (34.6 billion cubic feet per day, bcf/d) for any month on record**

**Records based on official data for the month of July (latest), compared with monthly data since 1981 as reported by the U.S. Energy Information Administration (EIA)**

- **Natural gas liquids (NGL) field production (3.4 mb/d) highest on record**
- **Texas refiner & blender crude oil net inputs (5.6 mb/d) highest on record**
- **Texas refiner NGL direct use (3.1 mb/d) highest on record**



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