

# State of Play in the Turkish Gas Market



GROUP CONSULTING, INVESTMENT & TRADE

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GLOCAL is a multidisciplinary business consultancy, government relations and market analysis firm based in Ankara.

- Business Consultancy
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## 3 Key Questions

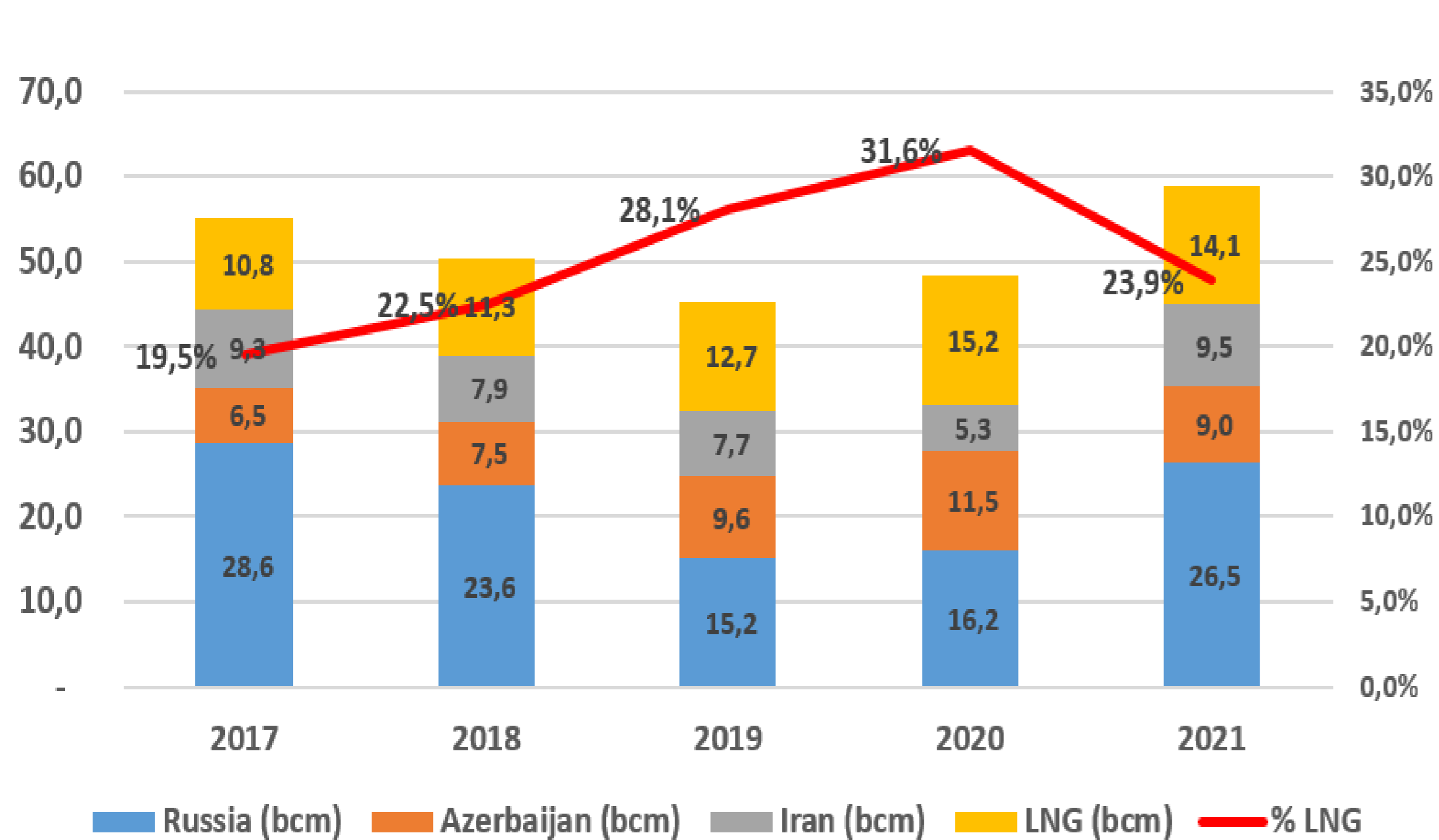
How is the supply & demand balance of Turkey?

What is the state of the gas infrastructure?

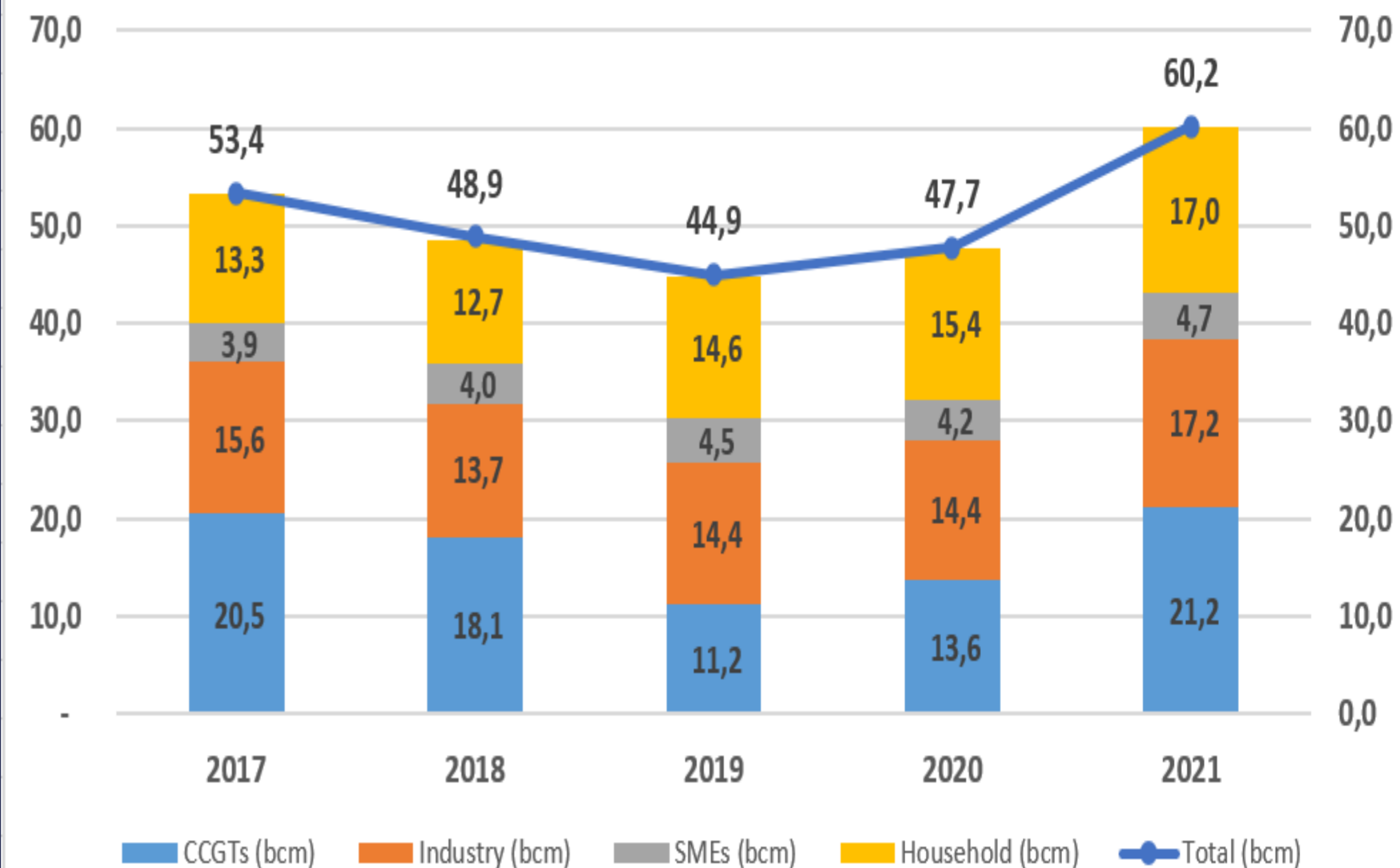
Can Turkey supply gas to SEE? If yes how?

# Turkey's Gas Imports & Consumption

### Turkey's Gas Import Sources & Volumes (BCM)

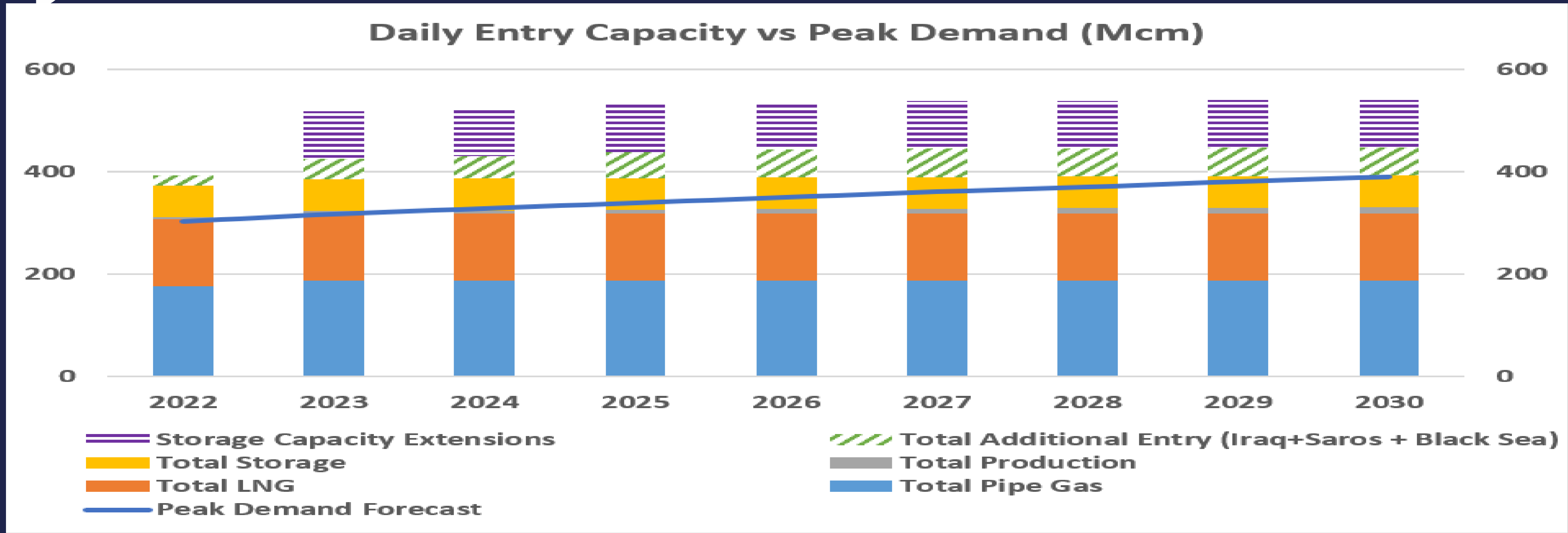


### Consumption by Customer Group (BCM)



- 2021 gas demand was all times high. Due to drought in 2021, low hydro generation was compensated by CCGTs. Industrial demand was also another factor of demand hike.
- LNG is the main flexibility provider of Turkish gas system

# Turkey's Gas Entry Capacity Outlook



- Turkey has good pipe gas connections with its long-term suppliers Russia, Azerbaijan and Iran.
- LNG regas capacity dramatically increased with the investments from 2017 to 2022. (Increased from 36 MCM to >131 MCM/day, (Etki FSRU 28 mcm/day, Marmara Ereğlisi LNG Terminal 35 mcm/day, Egegaz LNG Terminal 40 mcm/day, Dörtyol FSRU 28 mcm/day) will further increase to 156 MCM/day before end of 2022 (Saros FSRU 25 mcm/day))
- With ongoing underground storage investments (Salt Lake and Silivri) total withdrawal capacity will increase around 150 MCM/day (in 2023)
- Turkey has instruments to make supply mix with LNG/Pipe Gas and LT/MT/Spot gas supply.
- Turkey can extensively contribute diversification strategies of Balkan countries



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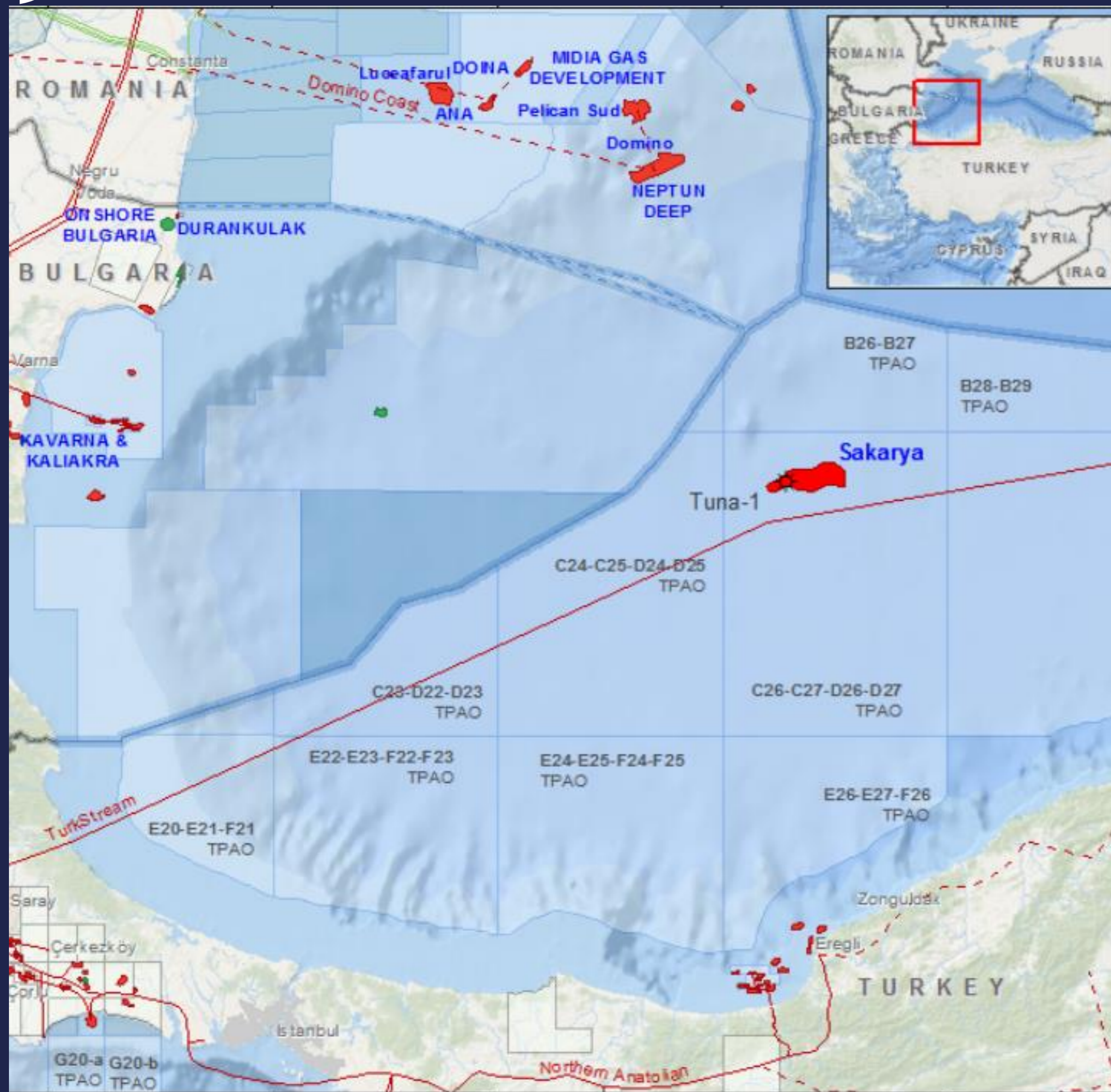
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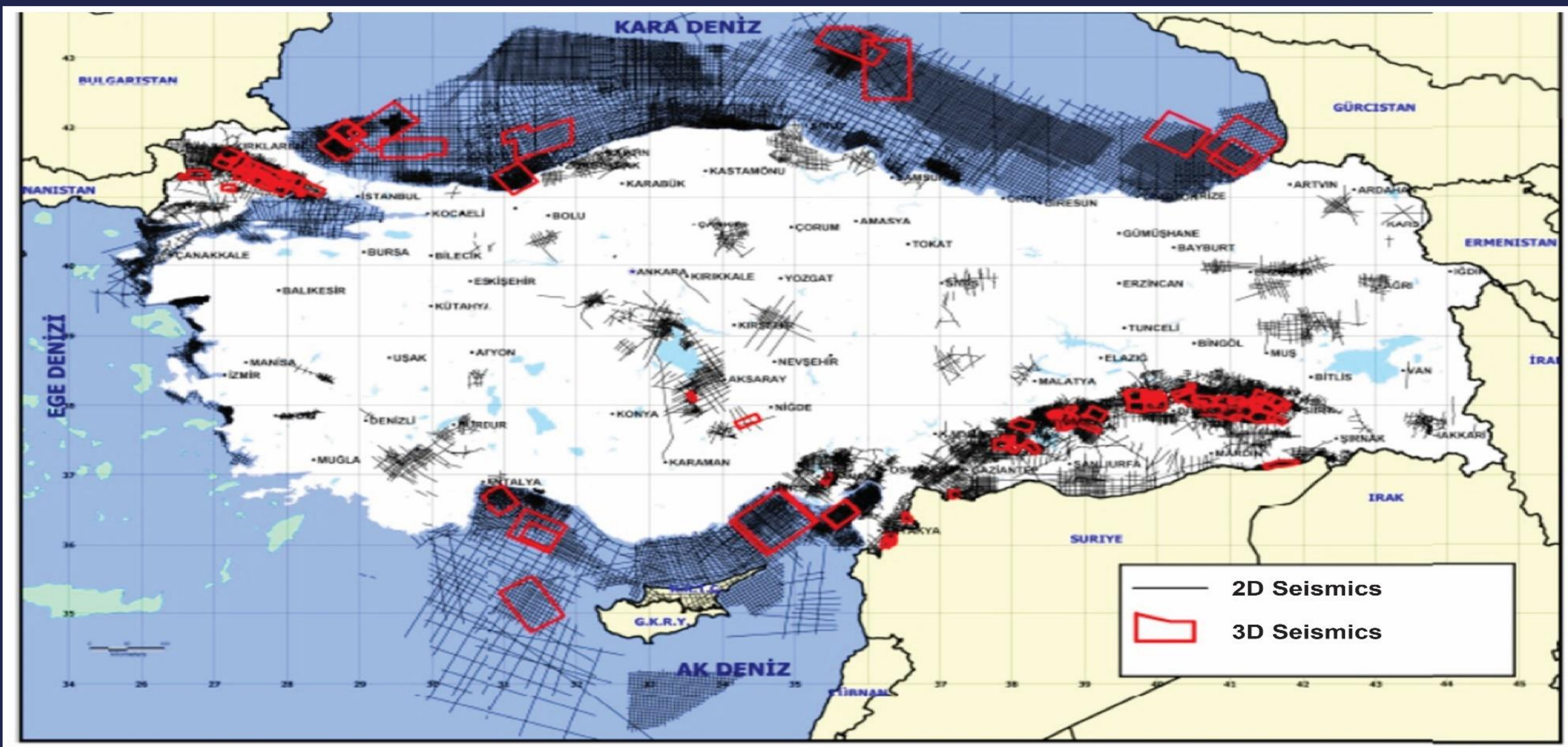
# Sakarya Gas Field

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- With latest update of TPAO on Sakarya Gas Field, 540 bcm (dry gas) was discovered so far
- Sakarya Gas Field contains 10.700 km<sup>2</sup>, however, only 2.000 km<sup>2</sup> seismic data is available. TPAO and Ministry of Energy are optimistic to discover more gas in this field after extended 3D seismic works to be carried out.
- 40 wells (appraisal + production) will be drilled in this field with TPAO's own ships until 2023. Flow tests are carried out
- First gas flow is scheduled to late 2023, detailed engineering works on gas shipment completed. Separation units & construction of pipeline going on.
- 10 mcm/day flow will start Q4 will reach to
- 1/4 of Turkey's gas consumption can be met from this field with current data

# Black Sea Gas – I





## Gaz Fiyatları (\$/kSm3)

