



# Quantification of Methane Emissions (Planned and Unplanned Interruption)

**Roundtable Discussion input by N.Macedonia**  
Energy Regulatory Commission



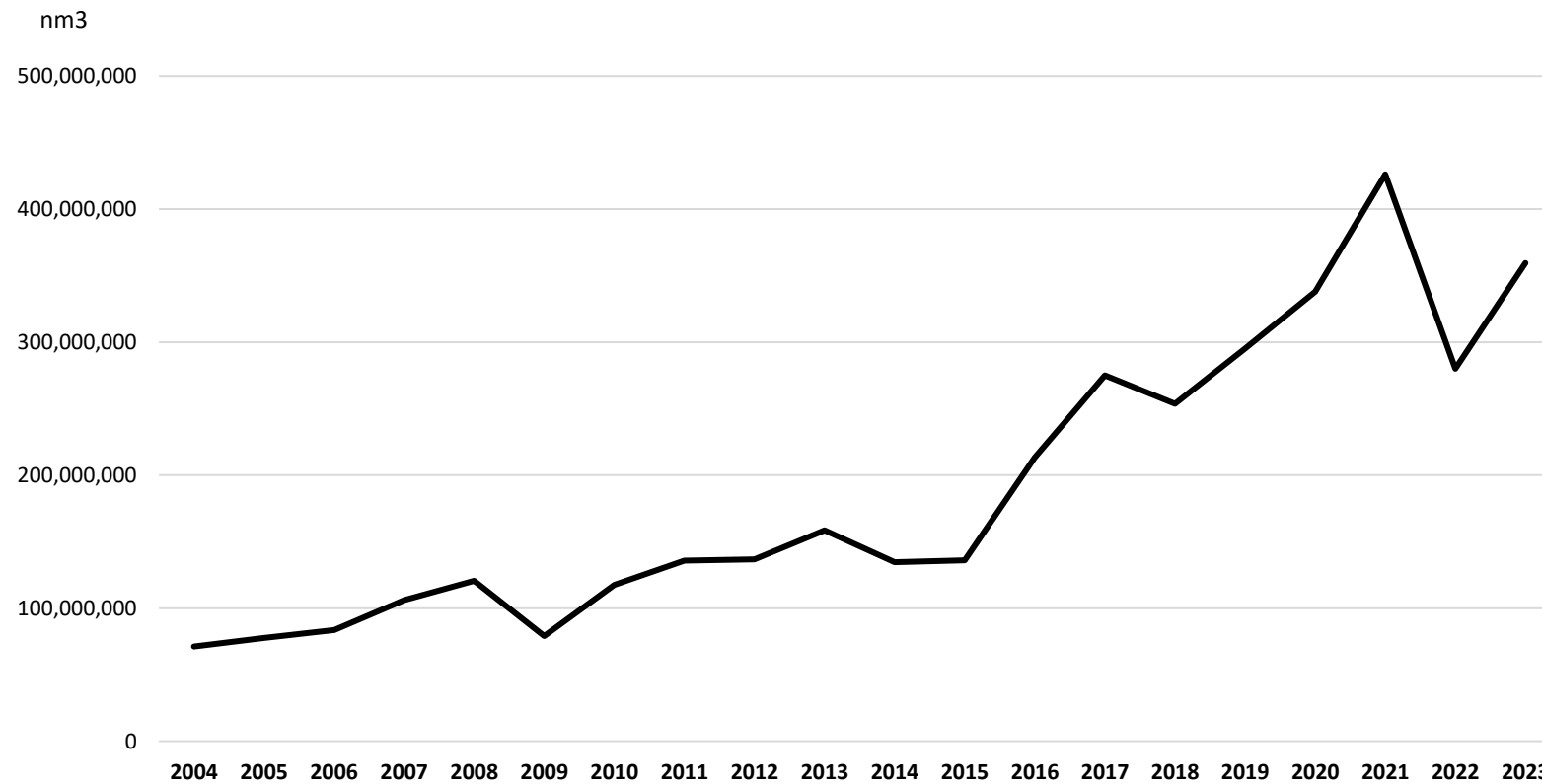
**ERRA Gaseous Fuels Markets and Economic Regulation Committee (GF COM) Meeting**

October 28-29, 2024 | 3<sup>rd</sup> Meeting | Physical in Tirana, Albania

## Overall Information about the Natural Gas System

- 1. Length:** 210km, plus more under construction or in commission process
- 2. Assets Age:** on average 20 years, will go down when new pipelines are activated
- 3. Utilization Rate:** varies a lot, between 10% to 80% during the year
- 4. Future Trends:** there are new transmission pipelines that have been build and waiting to be activated and put in use
- 5. Yearly consumption:** around 4GW yearly

# Historical yearly consumption



## System and technological process loss

1. Commercial system loss (%)
  - ERC doesn't approve commercial losses
2. Technological process system loss (%)?
  - The ERC approves maximum of 0.5% losses
  - Yearly realized losses in the system:
    - 2020 – 0.33%
    - 2021 – 0.25%
    - 2020 – 0.45%
    - 2020 – 0.35%

# Indicators

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Average yearly duration of interruptions

Average number of interruptions in the last five years

- There is no official methodology for tracking and quantifying methane emissions during planned or unplanned interruptions
- Currently there is no plan in place to develop such methodology
- By TSO estimates out of the 0.35% average losses in the last years, somewhere between 0.1% to 0.15% are due to methane emissions during normal operation and unplanned interruptions



**THANK YOU  
FOR YOUR ATTENTION!**

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