Turkey

Emre Özugr, Ministry of Energy and Natural Resources
Methane Emissions Resulting from Upstream Petroleum Activities in Turkey

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Member of Turkish Oil & Gas Subcommittee

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General Information About Turkey

Capital City: Ankara
Area: 814,578 km²
Population: 80 million
Energy Consumption: 135 million toe
Upstream Petroleum Sector in Turkey

18 million barrel crude oil production (annual)
0.4 billion m³ (1,400 million scf) natural gas production (annual)
Characteristics of Turkish Crude Oils

- Black Oil Type
- Low gas content
- Weighted Average Gas/Oil Ratio (GOR): 70 scf/bbl
Methane Emission

- Associated gas is processed through venting at storage tanks in several of the fields with low gas content and is flared at most of the fields.

- Flared Methane Amount $\approx 33 \text{ million m}^3$ (1.1 billion scf) annually resulting from associated gas.

- Emitted Methane Amount $\approx 3 \text{ million m}^3$ (0.1 billion scf) annually resulting from associated gas.
Evaluations

• Low greenhouse gas emissions based on the oil & gas sector (upstream) activities in Turkey

• The estimated flared methane amount shows similarity to the results (26 million m³) of the satellite data of “World Bank” (NOAA/GGFR, 2017)
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Thank you

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