

Kazakhstan Introduction to the Global Methane Initiative (GMI) Oil & Gas (O&G) Subcommittee

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Ministry of Energy of the Republic of Kazakhstan



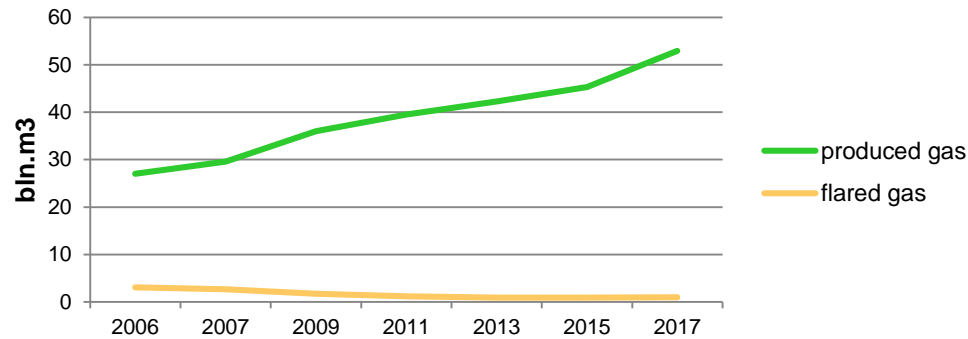
Kazakhstan O&G Sector Introduction

- **Production of oil was 86.2 mln. tons (2017) :**
production increase mainly from three major projects: Kashagan - **8.3** mln. tons, Tengiz - **28.7** mln. tons and Karachaganak - **12.5** mln. tons
- **Oil exports** amounted to 69.8 mln. tons (2017) (planned 87 mln. tons (2018)):
The technical feasibility of exporting the country is about 100 million tons (KPC - 52 million tons, Kazakhstan-China-20 million tons, Atyrau Samara-18 million tons, seaport - 5 million tons and railway 5 million tons).
- **Oil refining** volume **14.9 mln. tons (2017)**
planned 15.8 mln.tons (2018).
- Petroleum bitumen production was **731.1** thousands tons.



Kazakhstan O&G Sector Introduction

- **Production of APG was 52.9 bln.m³ (2017)**
planned to produce 53.4 bln.m³ (2018) :



Utilization
rate **98%**

- **Volume of exported gas was 17.2 bln.m³ (2017)**
For the first time, gas was exported to China in 2017, its volume was 1.1 billion m³.
Planned to increase economic cooperation and increase gas exports to China to 10 billion m³ in 2018.



Methane Action Plans

- Since 2014 several **methane LDAR campaigns** conducted by JCS NC “**KazMunayGas**” at production facilities in 3 regions (together with Carbon Limits, EPA).
- Planned to conduct **one** more **LDAR** pilot in Mangyastau region in **2018**.
- JCS NC “**KazMunayGas**” joined to **GMI Project Network** (2017)
- **Ministry of Energy** joined to **O&G Subcommittee**



Emissions Trading System

- **Methane emissions regulated as a pollutant** (taxes) and a **greenhouse gases** (reporting).
- 2013 - **ETS launched** in Kazakhstan
- 2016 - **ETS suspended**
- 2018 - **ETS restarted**
- The new **National Plan for the allocation** of greenhouse gas emission quotas for 2018-2020 is approved. 2 methods of allocation: historical and benchmarks
- **International Center for the Development of Green Technologies and Investment Projects Energy of the Future** will start of work in 2018



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