

GAS PRODUCTION

Natural and associated gas production decreased by 3.1% to 8,192 mln m³ in 2020. Operating assets produced 2,463 mln m³ (30% of the total), and 5,729 mln m³ (70%) came from megaprojects, with the Tengiz and Karachaganak megaprojects accounting for the bulk of production.

Commercial gas production from KMG-operated assets, mln m³

Indicator	2018	2019	2020
JSC OzenMunaiGas + KazGPZ ¹	558	680	751
JSC MangistauMunaiGaz (PD Zhetybaimunaigaz) ¹	207	116	161
JV Kazgermunai LLP	205	184	150
Amangeldy Gas LLP	345	346	326
Kazakhoil Aktobe LLP	173	157	185
JSC Embamunaigas	154	135	152
Kazakhturkmunay LLP	143	163	103
JSC PetroKazakhstan Inc.	68	43	49.5
JSC Karazhanbasmunai	0	0	0
Total for operating assets	1,853	1,823	1,877

Commercial gas production from megaprojects (net to KMG), mln m³

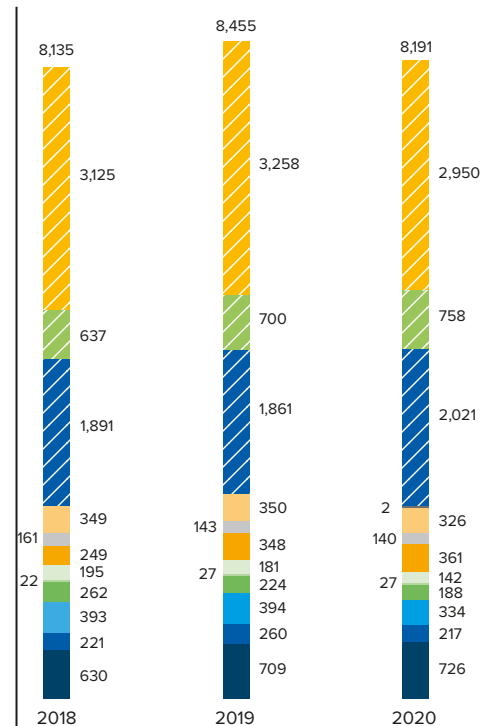
Indicator	2018	2019	2020
Tengiz	1,837	1,894	1,735
Karachaganak ²	949	911	899
Kashagan	301	293	287
Total for megaprojects	3,087	3,099	2,921

Gas production values are the actual volume of gas produced, including gas reinjected for own needs. Gas reinjection is used to maintain reservoir pressure, which is essential for sustaining high oil production rates.

Commercial gas production in 2020 was 4,798 mln m³, of which 1,877 mln m³ were produced from operating assets and 2,921 mln m³ from megaprojects. Year-on-year, commercial gas production decreased by cumulative 124 mln m³, or 2.5%.

Along with processing own feedstock, the KazGPZ plant produces commercial gas using feedstocks supplied by KMG's other operating assets that do not produce commercial gas themselves.

Natural and associated gas production by asset (net to KMG), mln m³



- JSC OzenMunaiGas
- JSC Embamunaigas
- JSC MangistauMunaiGaz (50%)
- JV Kazgermunai LLP (50%)
- JSC Karazhanbasmunai (50%)
- JSC PetroKazakhstan Inc. (33%)
- Kazakhoil Aktobe LLP (50%)
- Kazakhturkmunay LLP
- Amangeldy Gas LLP (KTG)
- Urikhtau Operating LLP
- Karachaganak
- Kashagan
- Tengiz

¹ Raw gas from JSC OzenMunaiGas and JSC MangistauMunaiGaz's PD Zhetybaimunaigaz is supplied to the KazGPZ plant.

² Raw gas supplies to the Orenburg Gas Processing Plant.