

ABOUT THE REPORT

GRI 2-2, GRI 2-3, GRI 2-4

NC KazMunayGas JSC has been publishing sustainable development reports annually since 2008, and since 2012 it has been publishing reports in accordance with the GRI Sustainability Reporting Standards (GRI). This report reflects KMG’s commitment to transparency and accountability to its stakeholders and covers key aspects of sustainable development, including economic, environmental, and social performance.

The 2024 Sustainable Development Report has been prepared in accordance with the GRI Standards, including the sector-specific standard GRI 11: Oil and Gas Sector 2021. The reporting period is the calendar year from January 1 to December 31, 2024.

To ensure the objectivity and reliability of the disclosed information, the report underwent external verification. The assurance provider was selected through a competitive procurement process in line with the procedures of Samruk-Kazyna JSC.

The reporting boundaries include KMG and its subsidiaries and dependent entities in which the Company holds 50% or more of the voting shares (ownership interest), as well as legal entities whose operations are under KMG’s control (see section “Reporting Boundaries” for details).

To ensure comparability and data consistency, information is presented in a multi-year dynamic format.

REPORTING BOUNDARIES

The reporting boundaries of NC KazMunayGas JSC encompass subsidiaries and dependent entities in which KMG directly or indirectly holds 50% or more

The Sustainable Development Report is approved by the KMG Board of Directors and is communicated to stakeholders by publishing on the corporate website and distributing the printed version.

KMG's Sustainable Development reports are available in Kazakh, Russian, and English on the KMG website: <https://www.kmg.kz/en/sustainable-development/>. An interactive version of the Report is also published in Kazakh, Russian, and English on the KMG website: <https://www.kmg.kz/en/sustainable-development/>.

The report has been prepared in line with the GRI Standards, enabling comparison of performance across different reporting periods.

Guided by international sustainable development initiatives, KMG is a signatory to the UN Global Compact and integrates the Sustainable Development Goals (SDGs) into its core activities. This report outlines the Company’s progress within these frameworks.

The purpose of this report is to inform stakeholders about the Company's strategic priorities, its efforts in the area of sustainable development, and ESG initiatives that contribute to the creation of long-term value for society and the business.

of the voting shares (ownership interest), as well as legal entities whose operations KMG is entitled to control.

CONSOLIDATED REPORTING

AS OF DECEMBER 31, 2024, THE CONSOLIDATED FINANCIAL STATEMENTS INCLUDE THE FOLLOWING ENTITIES:

Exploration Production KazMunayGas JSC	National Maritime Shipping Company Kazmortransflot LLP
Oil Company KazMunayTeniz LLP	Cooperative KazMunayGas PKI U.A.
KMG Karachaganak LLP	Atyrau Oil Refinery LLP
KazakhTurkMunay LLP	Pavlodar Petrochemical Plant LLP
KMG Kashagan B.V.	KMG International N.V.
Dunga Operating GmbH	KMG Drilling&Services LLP
KazTransOil JSC	

REPORTING BOUNDARIES BY SECTION AND INDICATOR

- **Corporate Governance:** Includes all KMG subsidiaries and dependent entities, regardless of ownership share.
- **Financial and Operating Results:** Presented based on consolidated financial reporting prepared in accordance with International Financial Reporting Standards (IFRS).
- **Human Resource Management:** Covers entities with the largest number of employees.
- **Social Policy:** Applies to key subsidiaries involved in the implementation of social programs.
- **Industrial Safety and Occupational Health:** Covers key production companies.
- **Water Resource Management:** Involves enterprises with significant water use.
- **Greenhouse Gas Emissions:** Includes the largest entities operating in oil and gas exploration, production, and processing.
- **Air Emissions Control:** Covers entities with the highest emission volumes.
- **Associated Gas Utilization:** Applies to companies with the most substantial volumes of associated petroleum gas.
- **Energy Use and Efficiency:** Encompasses the most energy-intensive operations.
- **Waste Management:** Includes the largest entities involved in oil and gas exploration, production, and processing.

[illegible]

Disclosure	Economic Impacts				Social Policy												Environmental Protection																																	
	Value Created			Anti-corruption	Local Communities		Employment Practice								Occupational Health and Safety	Energy		Water Resources		Biodiversity		Emissions			Waste Management																									
	GRI 201-1	GRI 201-4	GRI 203-1	GRI 203-2	GRI 204-1	GRI 205-1	GRI 205-2	GRI 205-3	GRI 413-1	GRI 414-1	GRI 2-27	GRI 2-7	GRI 2-8	GRI 2-21	GRI 2-30	GRI 401-1	GRI 401-2	GRI 401-3	GRI 405-1	GRI 406-1	GRI 404-1	GRI 404-3	GRI 403-8	GRI 403-9	GRI 302-1	GRI 302-3	GRI 302-4	GRI 303-3	GRI 303-4	GRI 303-5	GRI 304-1	GRI 304-2	GRI 304-3	GRI 304-4	GRI 305-1	GRI 305-2	GRI 305-3	GRI 305-4	GRI 305-5	GRI 305-7	GRI 306-1	GRI 306-2	GRI 306-3	GRI 306-4	GRI 306-5					
KMG-Security LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																										
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Polymer Production LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓																												
KazMunayGasService LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓																												
KMG-Kumkol LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓																										
KMG Engineering LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓																										
KMG-Aero LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓																										
Oil Transport Corporation LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓																										
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Karazhanbasmunay JSC	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓									✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
PetroKazakhstan Oil Products LLP	✓	✓	✓	✓	✓	✓	✓	✓						✓									✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
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Kazgermunai JV LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓									✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
KMG Systems & Services LLP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓	✓	✓		
Kazakhstan Petrochemical Industries Inc LLP	✓	✓	✓	✓	✓	✓	✓	✓						✓												✓	✓		✓	✓	✓						✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		
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KMG EP-Catering LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓																										
Al-Farabi Operating LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓										✓																										
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Karaton Operating Ltd.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓					✓	✓	✓		✓																											
Rompetrol Rafinare SA (Petromidia)	✓	✓	✓	✓	✓	✓	✓	✓						✓																																				
Vega Refinery	✓	✓	✓	✓	✓	✓	✓	✓						✓																																				
Isatay Operating Company LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓										✓																										
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TH KazMunaiGaz B.V.	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓		✓	✓	✓						✓																										
KMG EP Netherlands Energy Coöperatief	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓		✓	✓	✓						✓																										
Kalamkas-Khazar Operating LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓										✓																										
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Becturly Energy Operating LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓										✓																										
Kurmangazy Petroleum LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓										✓																										
Professional Geo Solutions Kazakhstan LLP	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓										✓																										

DISCLOSURE BREAKDOWN

GRI 201-1	Directly Created and Distributed Economic Value	GRI 404-3	Percentage of Employees Receiving Regular Performance and Career Development Reviews
GRI 201-4	Financial assistance received from government	GRI 403-8	Occupational Health and Safety Management System
GRI 203-1	Investments in Infrastructure and Supported Services	GRI 403-9	Work-related injuries
GRI 203-2	Significant Indirect Economic Impacts	GRI 302-1	Energy consumption within the organization
GRI 204-1	Proportion of Spending on Local Suppliers	GRI 302-3	Energy intensity
GRI 205-1	Operations Assessed for Corruption Risks	GRI 302-4	Reduction in energy consumption
GRI 205-2	Communication and Training on Anti-corruption Policies and Procedures	GRI 303-3	Water withdrawal
GRI 205-3	Confirmed Corruption Incidents and Actions Taken	GRI 303-4	Water discharge
GRI 413-1	Operations with local community engagement, impact assessments, and development programs	GRI 303-5	Water consumption
GRI 414-1	New Suppliers Screened Using Social Criteria	GRI 304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas
GRI 2-7	Employees	GRI 304-3	Protected or restored habitats
GRI 2-8	Non-employee workers	GRI 304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations
GRI 2-21	Pay Ratio: the ratio of the total annual compensation of the highest-paid employee to the median annual compensation of all other employees	GRI 305-1	Direct GHG emissions (Scope 1)
GRI 2-27	Compliance with laws and regulations	GRI 305-2	Indirect GHG emissions from energy consumption (Scope 2)
GRI 2-30	Collective bargaining agreements	GRI 305-3	Other indirect GHG emissions (Scope 3)
GRI 401-1	New Employees and Employee Turnover	GRI 305-4	GHG emissions intensity
GRI 401-2	Benefits Provided to Full-time Employees but Not to Temporary or Parttime Employees	GRI 305-5	Reduction of greenhouse gas emissions
GRI 401-3	Parental Leave	GRI 305-7	Emissions of NOx, SOx, and other significant air pollutants
GRI 405-1	Diversity of Governance Bodies and Employees	GRI 306-1	Waste generation and significant waste impacts
GRI 406-1	Discrimination Incidents and Corrective Actions Taken	GRI 306-2	Management of significant waste impacts
GRI 404-1	Average Hours of Training per Employee per Year	GRI 306-4	Waste directed for recycling
GRI 306-3	Waste generated	GRI 306-5	Waste directed to landfill

KEY ESG DISCLOSURES

PRODUCTION DISCLOSURES

Key Production Disclosures	Units	2022	2023	2024
Oil & Gas Sector				
Crude oil and gas condensate production	thousand tonnes/year	22,012	23,532	23,837
Crude oil and gas condensate production (daily)	thousand tonnes/day	60,307	64,471	65,128
Natural and associated gas production	million m ³ /year	8,241	9,459	9,554
Natural and associated gas production (daily)	thousand m ³ /day	22,578	25,915	26,125
Number of drilling sites (>50% share)	units	65	66	67
Oil and gas processing	thousand tonnes	19,900	19,593	19,158
Production of petroleum products, incl.	thousand tonnes	18,669	18,183	17,949
Gasoline	thousand tonnes	5,330	5,628	5,566
Fuel oil	thousand tonnes	2,416	2,011	1,697
Vacuum gas oil (VGO)	thousand tonnes	482	179	258
Paraxylene	thousand tonnes	76	26	108
Diesel fuel	thousand tonnes	6,588	6,460	6,446
Benzene	thousand tonnes	9	23	28
Coke	thousand tonnes	377	630	630
Liquefied gas	thousand tonnes	846	878	883
Sulfur	thousand tonnes	60	108	102
Jet fuel	thousand tonnes	838	792	985
Furnace fuel	thousand tonnes	16	38	18
Bitumen	thousand tonnes	657	574	557
Commercial crude oil	thousand tonnes	231	242	201
Feedstock for carbon black	thousand tonnes	10	9,542	0
Light naphtha	thousand tonnes	2	1	1
Propylene	thousand tonnes		117	83
Other	thousand tonnes	730	468	388
Installed processing capacity	thousand tonnes/day	75.8	75.8	75.8
Total oil transportation, incl.	million t/km	74,659	80,359	
via trunk pipelines	thousand tonnes	65,316	69,581	70,309
via maritime transport (tankers)	thousand tonnes	9,343	10,778	13,169