Approved

by resolution of the Government of the Republic of Kazakhstan

от «   »          2023 года

**Energy efficiency and careful gas consumption plan for 2023-2025**

**Introduction**

The resource part of the country's medium-term gas balance should be formed on the basis of the internal resources of commercial gas produced in Kazakhstan. Excessive dependence on imported resources for the implementation of strategically important projects in the future will call into question the possibility of their independent and uninterrupted operation.

The upcoming autumn-winter period of 2023-2024 is at risk due to exponential growth in consumption, for which the existing resource base is insufficient. To cover increasing consumption, the purchase of imported gas is necessary. Alternatively, it is necessary to introduce demand management controls, which will release up to 2.5 billion m3 of commercial gas and will not have a negative impact on the economy of Kazakhstan and will allow the transition to rational and economical gas consumption.

It is necessary to adopt and implement a full-scale Plan for energy efficiency and rational consumption of commercial gas (following the example of Uzbekistan and other countries). Examples of energy efficiency measures are the introduction of standard consumption with a differentiated tariff for gas, optimization of temperature standards during the heating season following the example of the European Union, the transition to reserve fuel (coal), etc.

Taking into account the current situation, it is necessary to begin full-scale work on the transition to rational and efficient consumption of commercial gas.

Head of State K.K. At the opening of the first session of the Parliament of the VIII convocation, Tokayev instructed the Government to develop a Plan for energy efficiency and rational consumption of commercial gas.

The energy efficiency and careful gas consumption plan for 2023-2025 consists of the following main blocks:

- optimization of losses on hydraulic structures;

- creation of a unified gas accounting system (digitalization of gas transportation and gas distribution systems, taking into account international practice);

- increasing the efficiency of the fuel and energy complex;

- establishing commercial gas consumption standards for the population separately for each region, taking into account climatic conditions.

These measures will have a beneficial effect on the general issue of gas balance, namely, they will strengthen the discipline of gas consumption by both the population and industrial consumers, and the fuel and energy complex.

**Energy efficiency and careful gas consumption plan for 2023-2025**

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| **№** | **Event name** | **Completion form** | **Responsible executors** | **Deadlines** |
| **Stage 1. Energy efficiency** | | | | |
| 1 | Audit to determine the nature and amount of gas losses (leakages) at technological gas supply facilities, including: | Reduction of technological losses, including through optimization of own needs, by at least 2 million m3/year | «Samruk-kazyna» JSC  «QazaqGaz» JSC NC  «ICA» JSC, «GBSH» JSC,  «AGP» JSC, «KTGA» JSC | Every year |
| 1.1 | at gas pipeline facilities |
| 1.2 | on gas distribution systems |
| 2 | Digitalization of gas transportation and gas distribution systems taking into account international practice, including: | A unified gas accounting system for the entire chain of the gas transportation system | «QazaqGaz» JSC NC  «ICA» JSC,  «GBSH» JSC,  «AGP» JSC, «KTGA» JSC | 4 quarter 2024 year |
| 2.1 | at main and distribution gas pipeline facilities |
| 2.2 | installation of gas meters with telemetry function for industrial consumers | Development of a plan for the phased installation of digital gas meters with telemetry function | MIO, MIIR, ME,  «QazaqGaz» JSC NC  «KTGA» JSC | till december 2023 |
| 2.3 | development of a billing analytical system | Introduction of artificial intelligence to determine gas consumption by the population | «QazaqGaz» JSC NC  «KTGA» JSC | Stage 1 (billing system) – January 2024 |
| Stage 2 – (analytical system) – until January 2025 |
| 3 | Audit of large heat and electricity generation facilities for efficiency per unit of gas consumption | Approval of Roadmaps to increase the efficiency of stations through reconstruction, modernization, construction of new ones and decommissioning of inefficient facilities | ME, «Samruk-kazyna» JSC, «KEGOC» JSC,  «Samruk-energo» JSC | till the end  Of 2023 year |
| 4 | Establishment of commercial gas consumption standards for household consumers (those with metering devices)  separately for each region, city of republican significance, capital, taking into account climatic conditions and duration of the heating season | Order Ecomomy Ministry of RK | Economy of Ministry, Energy ministry, SAC TEK Republic of Kazakhstan,  «QazaqGaz» JSC NC  akimats of Almaty, Astana, Shymkent cities, and regions | october  2023 |
| 5 | establishing the validity period of technical conditions (3 (three) years for all categories of consumers under equal conditions) | Efficient use of gas transmission system capacity by releasing reserved volumes of gas | Economy ministry, Energy ministry,  «QazaqGaz» JSC NC | 2023 |
| 5.1 |  |
| 5.2 | return of perpetual unrealized technical specifications (issued before 2019, subject to presentation of a construction coupon, technical specifications remain valid) | «ICA» JSC  «KTGA» JSC, other GRO, akimats of Almaty, Astana, Shymkent cities, and regions | on an ongoing basis |
| 6 | Introduction of incentive measures for the use of energy-efficient building materials | Action plan for amending the normative and regulatory documents | MIIR | 2023 |
| **7** | Introduction of a mechanism of “counter obligations” for government support measures and tax incentives for companies participating in the implementation of energy-saving projects | Introduction of a mechanism of “counter obligations” for government support measures and tax incentives for companies participating in the implementation of energy-saving projects | MIIR, Ministry of national economy, ministry of finance, BRK | 2024 |
| **Stage 2. Price policy** | | | | |
| 8 | Pricing policy Conducting an analysis of prices for commercial gas in order to gradually eliminate price imbalances between regions and to further improve pricing | Action plan to improve pricing | MIO, MIIR, ME,  «QazaqGaz» JSC NC  «KTGA» JSC | 4 quarter 2023 |
| 9 | Development of a mechanism for interaction between government agencies and gas suppliers to provide access to a database of consumers receiving targeted social assistance | Implementation of a pilot project to integrate targeted social assistance databases with the GRO database | MTSZN, MCRIAP, Ministry of Energy, Ministry of finance, АО НК «QazaqGaz» JSC NC  «KTGA» JSC | 4 quarter 2023 |
| **Stage 3. Information block** | | | | |
| 10 | Conducting explanatory work with consumers on the rational use of gas to increase public awareness | Briefings, meetings with the population, notification through the media, social networks, trips to the regions to cover the topic | Ministry of energy, ministry of national economy, MIOR  «QazaqGaz» JSC NC  «KTGA» JSC  akimats of Almaty, Astana, Shymkent cities, and regions | 1 (once) in quarter 2023 – 2025 years |