



The Strategy for Achieving Carbon Neutrality by 2060 and expectations of the JCM



1

KAZAKHSTAN'S ONGOING DECARBONIZATION MEASURES

1

RATIFICATION OF THE PARIS AGREEMENT



GOVERNMENT
MINISTRY of
ECOLOGY



LEDS APPROVAL



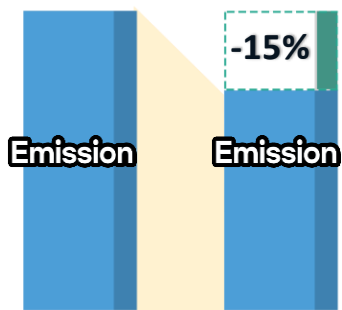
NDC APPROVAL

STAKEHOLDERS



2

ACHIEVING LEDS and NDC GOALS

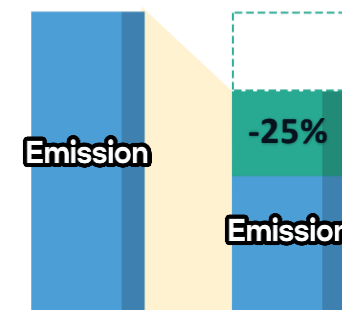


-15% by 2030
from the 1990
level

THE ULTIMATE GOAL



CONDITIONAL GOAL



-25% by 2030
from the 1990
level

NET-ZERO



Phased replacement of coal



Transition to the use of hydrogen



Application of CCUS technologies



Additional international
investments



Technology transfer



GCF funds



APPROACHES AND INVESTMENT NEEDS LEDS

Applied approaches:



sectoral

- Energy
- Industry
- Agriculture and forestry
- Waste management



transparent

- Just transition
- Green financing
- R&D and education
- Carbon regulation system

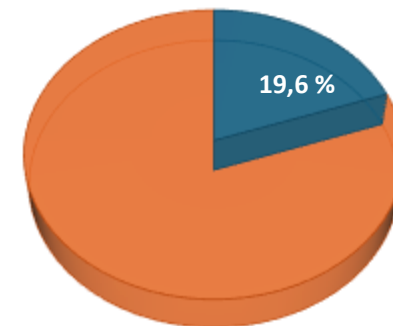


3,8%

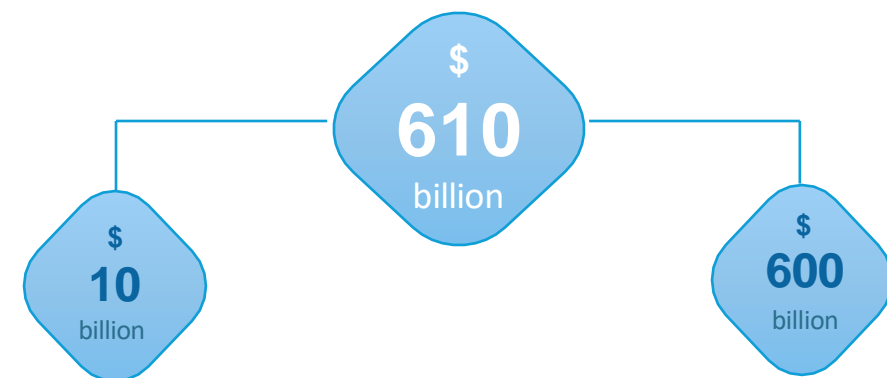
Direct government investments **3.8%** of total investments



610
billion \$



19,6 %



until 2030

until 2060

They are **estimated at \$610.0 billion** – 19.6% of the gross fixed capital accumulation

EMISSIONS TRADING SYSTEM

135 large enterprises

212 quota installations

61 benchmarks

43% of total national greenhouse gas emissions

Regulated sectors of the economy:



The current situation in the Republic of Kazakhstan

- National Allocation Plan for 2022-2025
- Free allocation of quotas
- Average price for tCO₂ ~ 1\$

ITMO's

Kazakhstan seeks to cooperate with countries on the implementation of projects under Article 6.2 of the Paris Agreement:

- ✓ Work is underway to implement the norms of article 6 of the Paris Agreement into national legislation

Joint Crediting Mechanism

Memorandum of Cooperation on JCM between the Republic of Kazakhstan and Japan: October 30, 2023

Goal: Enhance bilateral cooperation in addressing climate change and pursue the objectives of the Paris Agreement, specifically under Article 6.2 on Cooperative Approaches.

Main objectives:

- Establish the Joint Committee;
- Develop rules and guidelines on JCM implementation, project cycle procedures, methodologies, project design documentation, monitoring, designation of third-party entities, validation and verification procedures;
- Authorize the JCM credits in consistency with the guidance.

Marubeni

Energy saving project at
hydrocarbon production facilities



Energy saving projects



KOMAIHALTEC Inc.

Wind Farm construction project

Japanese companies interested
in implementing projects
within the framework of JCM



A project to improve the efficiency of
rice cultivation using technologies that
reduce water loss and based on
reducing methane emissions



MITSUI & CO.

Wind power projects, Carbon
capture projects (LanzaTech)

To implement the NDC and the Strategy to achieve carbon neutrality in Kazakhstan by 2060



Energy (replacing coal with renewable energy sources, development of hydrogen energy)



Industry (the use of the most modern energy-efficient technologies and materials)



Agriculture and forestry (sustainable agriculture and livestock management projects, irrigation improvement, reforestation)



Waste management (wastewater sludge treatment technologies, projects to increase the share of recyclable and compostable waste)



Building & Heating (Projects in the heat supply sector)



Transport (switching to more environmentally friendly modes of transport)



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