



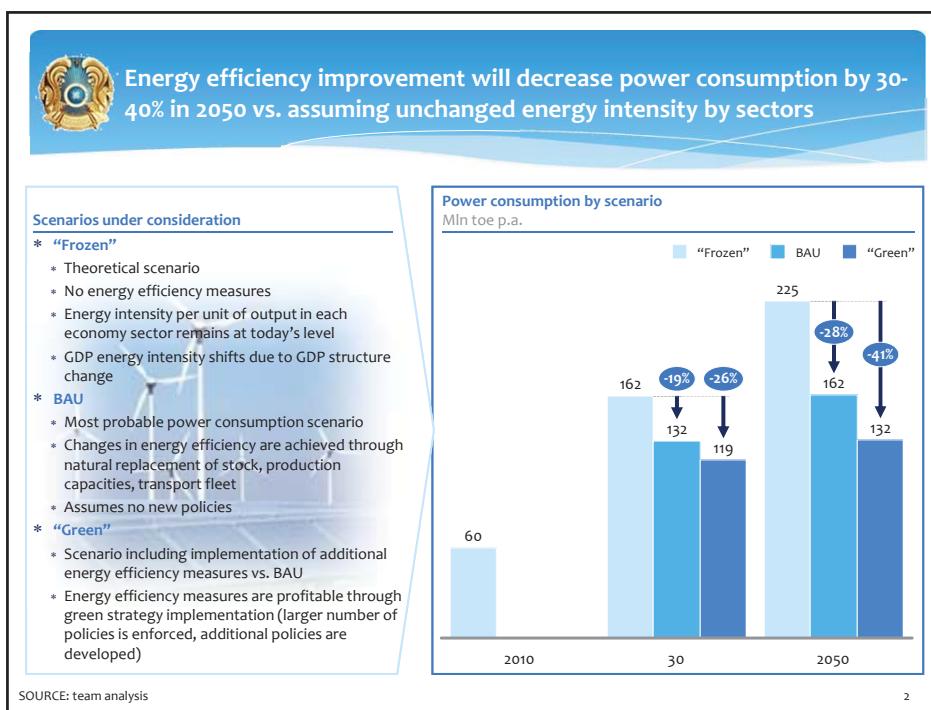
Existing Targets for Key Economic Sectors Complemented by Targets for Transition to Green Economy

Additional targets

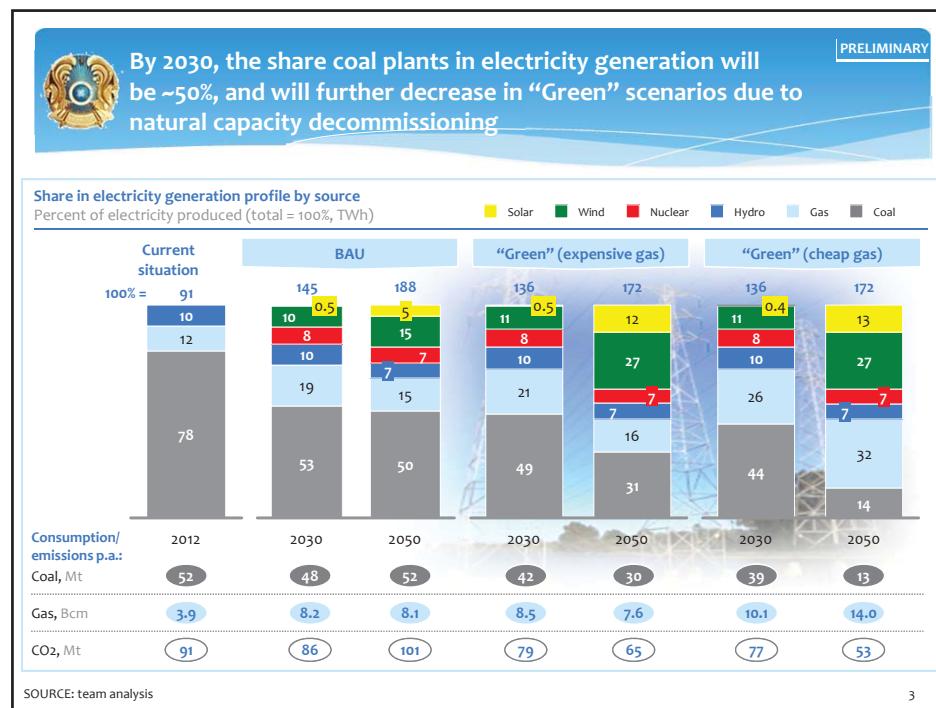
Sector	Target Description	2020	2030	2050
Water Resources	* Eliminate the shortage of water resources at the national level	Provide water to population by 2020	Provide water to agriculture by 2020	Solve the problem of water supply once and for all
	* Eliminate the shortage of water resources at the basins' level	Fastest possible covering of deficiency in basins (by 2025)	By 2030 no deficiency in each basin	
Agriculture	* Labour productivity in agriculture	3-4times increase		
	* Wheat yield (KZT / ha)	1.4	2.0	2.0
	* Costs of irrigation water (m³/KZT)	450	330	250
Energy Efficiency	* Reducing energy consumption of GDP, compared with the level of 2010 (10% by 2015)	25%	30%	50%
Electric Utility Industry	* Share in electricity generation: * alternative sources	Solar and wind: at least 3% by 2017	-30%	50%
	* gas-fired power station * gasification of regions	20% ¹ Akmola and Karganda regions	25% ² Northern and eastern regions	30%
	* Decrease from the current level of CO ₂ emissions in the electric utility industry	Level of 2012	-15%	-40%
Air Pollution	* Emissions of SO _X , NO _X in the environment		European level of emissions	
Waste Disposal	* Provide solid municipal waste disposal to population		100%	100%
	* Sanitary storage of waste		-95%	100%
	* Share of recycled waste		40%	50%

¹ solar electric generating station, wind-driven electric power station, hydroelectric power station, atomic power station;
² with transfer of the largest cities' CHP to gas

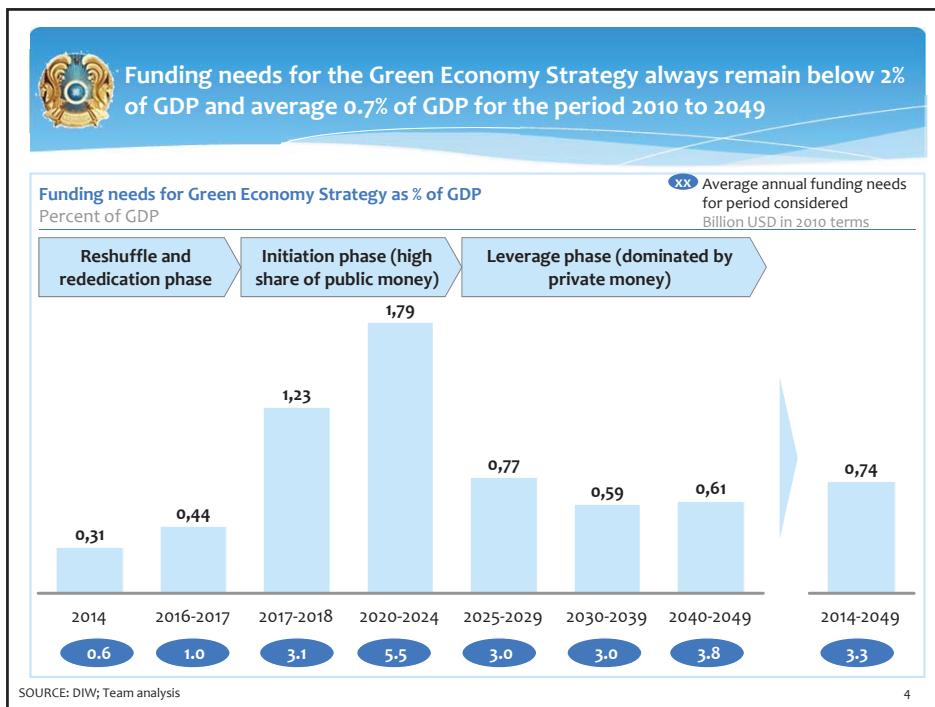
SOURCE: analysis of Working Group data



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EXPO Objectives

- To promote energy best practices
- To foster research and technological development of clean energy
- To exchange knowledge
- To educate and raise awareness
- To contribute to education through art, culture and entertainment
- To create a platform for expertise transfer
- To showcase Kazakhstan as a leading country in the energy field

A single goal:

- To bring to public awareness the need to recognize our major energy options and to make the right choice among them



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Socio-Economic Legacy

Our aspiration:
To host an exceptional event that creates a positive and **lasting socio-economic legacy** for Astana, Kazakhstan, and the world.

What we aim to achieve

Global impact



Showcase and accelerate **global energy innovation**

National/regional impact



Boost Kazakhstan's **transition** towards a **green economy** and foster sustainable development throughout the region

Local impact



Create **benefits for Astana citizens** through local infrastructure improvements and the creation of new social and economic opportunities



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Green Bridge Partnership Programme

- is a practical and voluntary mechanism for greening the economy through support of green business and policy reforms

Why the Kazakhstan Initiative?

- For many countries it is difficult to transit to green economy
- Inefficiency of current fragmentary, short-term and isolated actions
- Lack of practical mechanisms on the international level to support such transition