

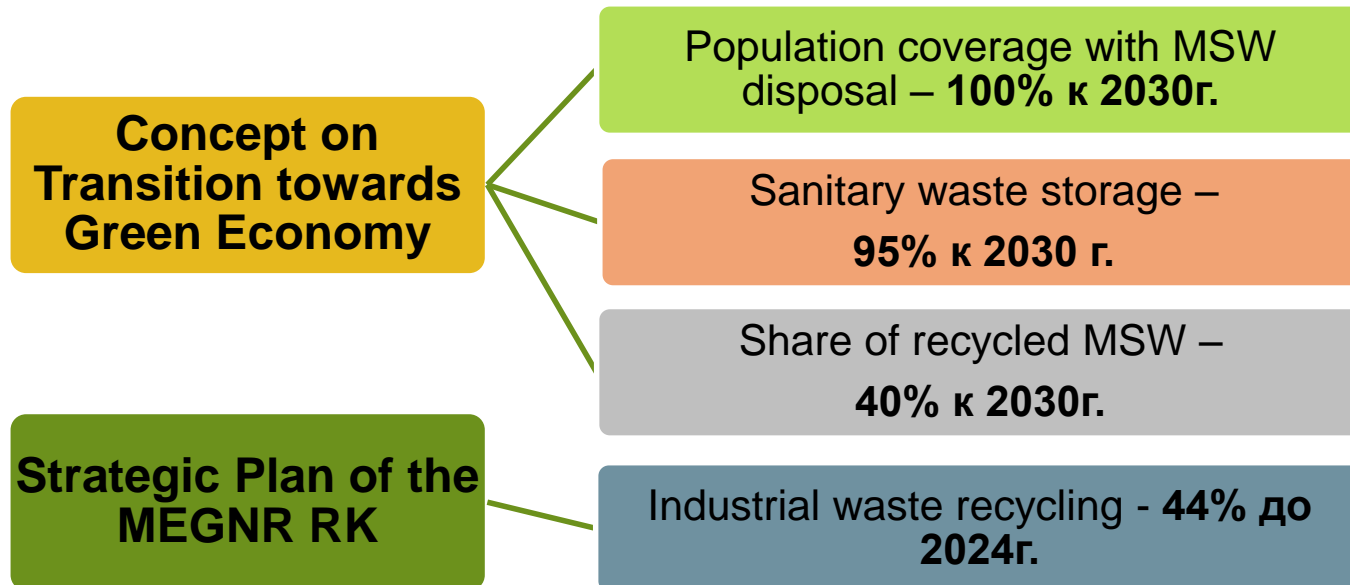
KAZAKHSTAN'S EXPERIENCE IN ENSURING SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS SDG 12

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Ecology, Geology and Natural Resources of the
Republic of Kazakhstan

Waste management order of priority

- Waste management is a priority task of the Concept on Transition towards Green Economy of the Republic of Kazakhstan
- New regulation in the field of waste management in the new Environmental Code dated January 2, 2021 No. 400-VI of the Law of the Republic of Kazakhstan
- Objectives and target indicators for MSW and industrial waste management in the "Green Kazakhstan" National Project for 2021-2025.



“Planet” Working Group

- In 2018, the "Planet" interdepartmental working group was created as part of the Coordination Council for Sustainable Development Goals.
- Main directions of the “Planet” WG: rational use of terrestrial ecosystems and water resources, climate change (SDGs 6, 12, 13, 14, 15).
- The aim of the “Planet” WG is to consider and develop proposals for the formation of a unified policy for the implementation of SDGs in the Republic of Kazakhstan.
- Regular meetings of the working group are held. Representatives of government agencies, international and non-governmental organizations are involved.
- Currently, Commissions for specific SDGs are being formed, including SDG 12.

Innovations in the Environmental Code of the Republic of Kazakhstan

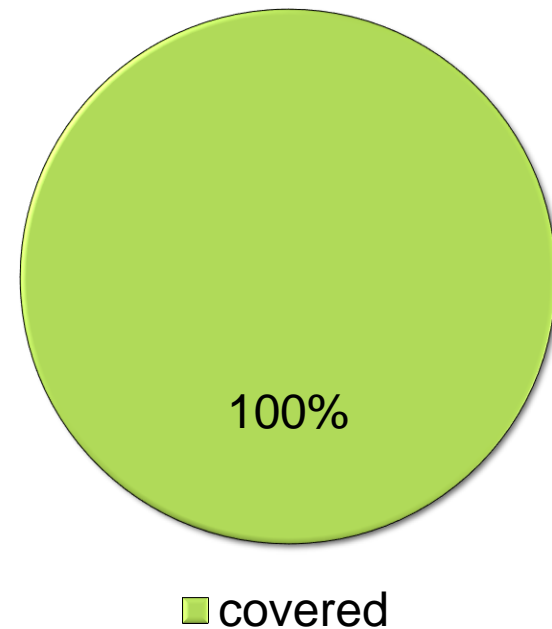
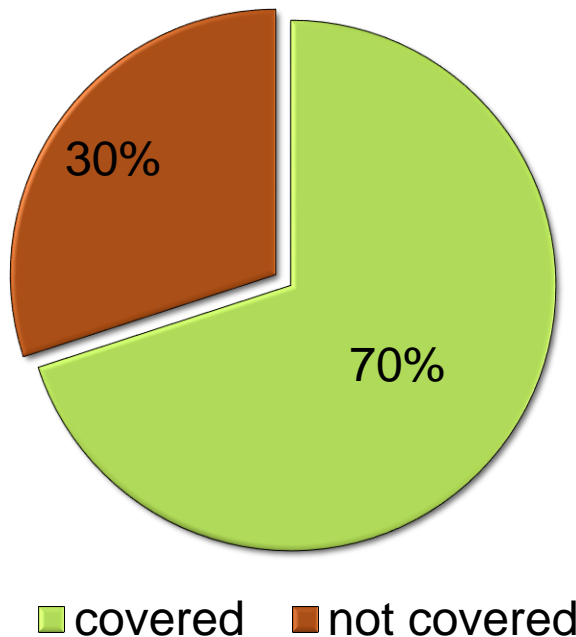
- In 2021, the new Environmental Code of the RK is adopted
- Waste hierarchy principle is introduced
- Implementation of state regulation of waste management businesses: licensing and notification procedure
- Waste management operations are clearly defined: waste accumulation, waste collection, waste transportation, waste recovery, waste disposal.
- Requirements for separate waste collection are specified (two-container system)
- Possibility of implementation of public-private partnership in solid waste management
- Waste to Energy

Regulation of waste activities

- Work on removal of facilities recognized as ownerless hazardous waste is being carried out. Five out of 16 facilities of the republican property recognized as ownerless hazardous waste were removed.
- Since 2016, a ban on burial of mercury-containing bulbs and devices, scrap metal, waste oils and liquids, batteries, electronic waste has been introduced.
- From 2019, a ban on disposal of plastics, paper, and glass came into force.
- From 2021 a ban on the disposal of food and construction waste came into force.

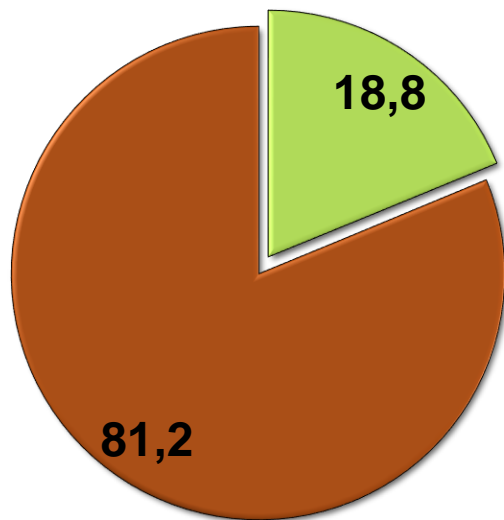
Population coverage with waste collection and disposal

- Population coverage with waste collection and disposal is currently 70%.
- In large cities, 100% coverage
- Low coverage in districts and rural localities
- According to the Concept on Transition towards Green Economy by 2030, the coverage of the population with waste collection and disposal should be 100%.

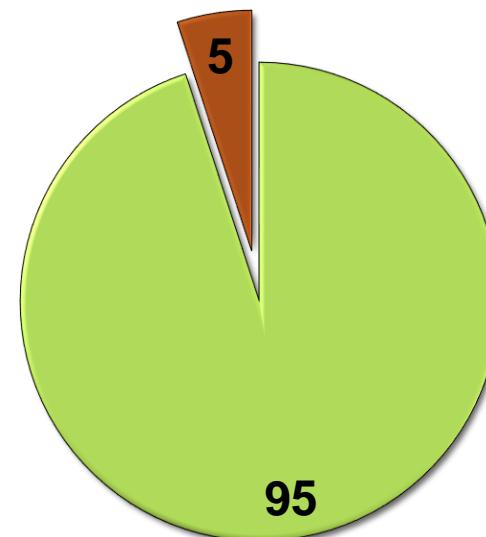


Municipal waste landfills

- The number of consumer waste landfills is 2,661 units.
- 501 units comply with environmental and sanitary standards.
- According to the Concept on Transition towards Green Economy by 2030, 95% of SDW landfills must comply with environmental requirements and sanitary regulations



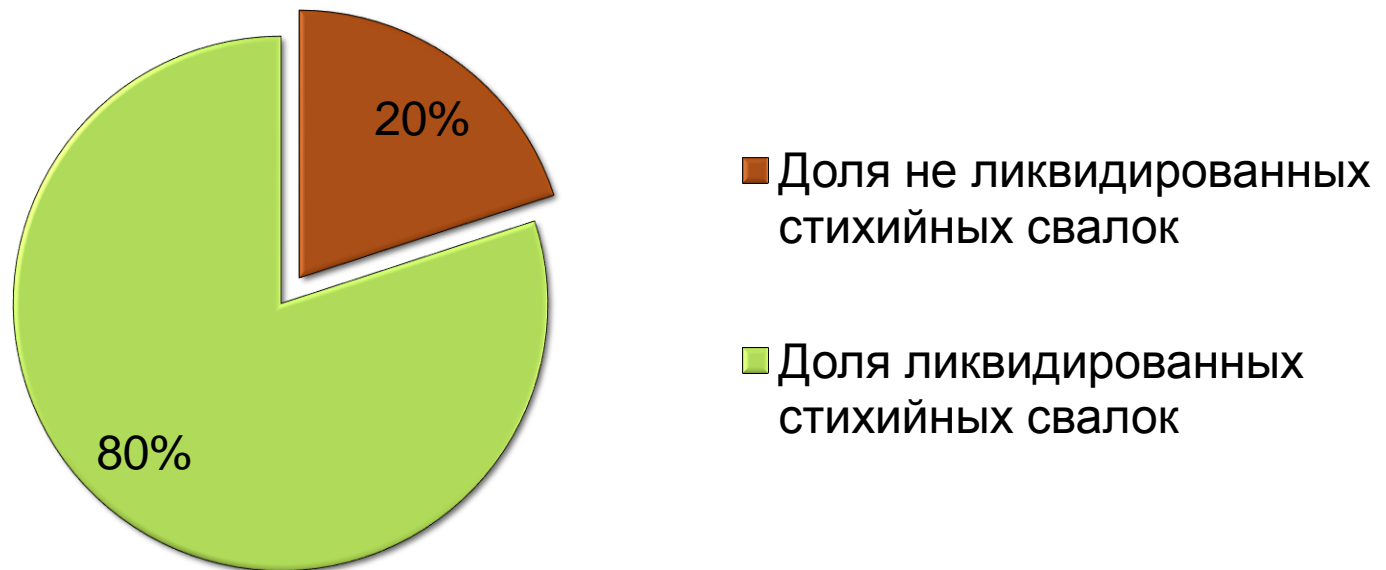
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Illegal dumping of municipal waste

Based on the results of remote sensing of the land revealed 8,884 illegal dumps, 7,147 of them were removed (2019 and 2020)

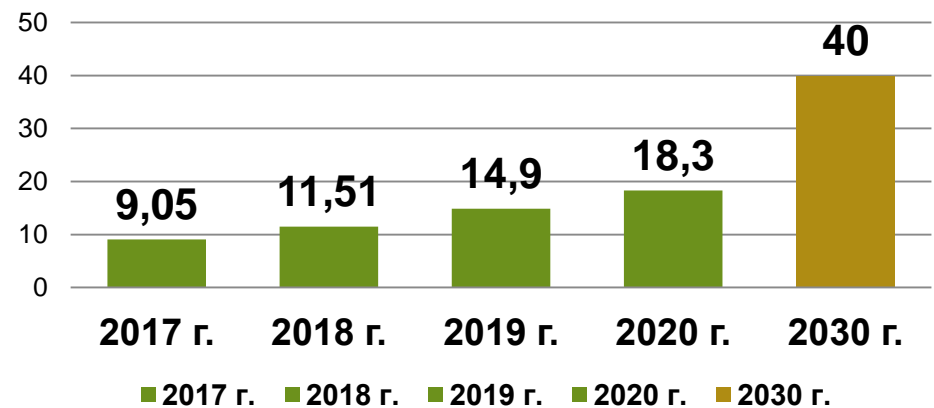


Municipal waste recycling

- About **4.5-5** million tons of consumer waste is generated annually
- Separate collection at different stages is implemented in **94** large cities and districts
- Sortlines operate in **80** settlements



Доля переработанных коммунальных отходов, %



Circular economy in waste management

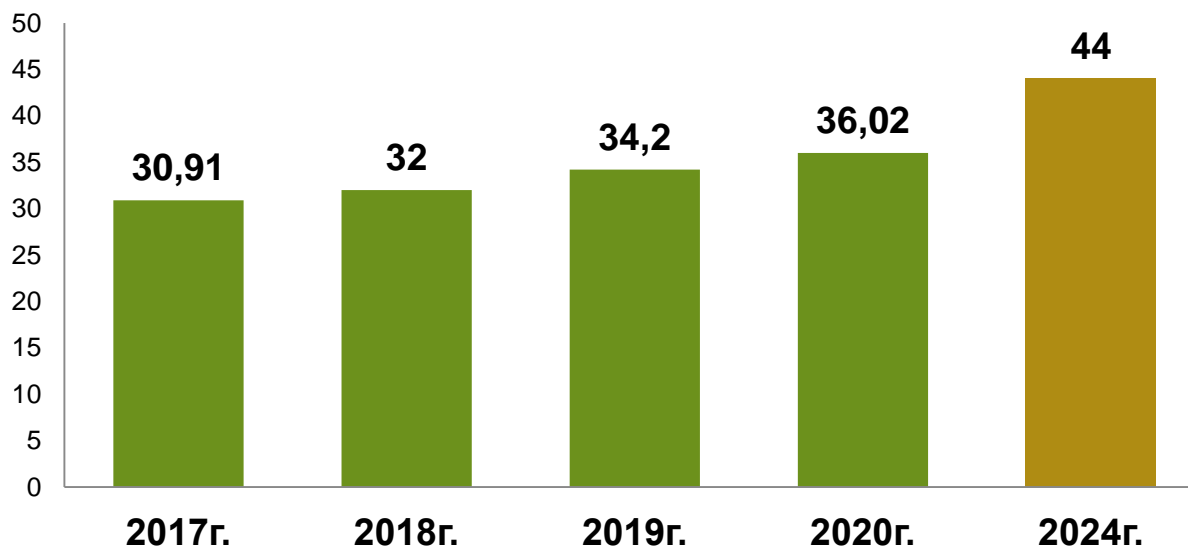
- Glass containers from beer and dairy products are reused in Kazakhstan.
- The following types of waste are recycled: paper, cardboard, many types of plastic, glass, aluminum, etc.
- More than 20 types of finished products are produced from secondary raw materials: corrugated cardboard, sanitary products, various household items (buckets, dishes, basins, cups, flower pots, clothes hangers), polymer-sand products, chemical fibers, etc.



Industrial waste recycling

- Over **800** million tons of industrial waste is generated annually
- Main types of waste: technogenic-mineral formations (TMF), including overburden and bottom ash (70%), processing industry waste (10%) and other activities (20%)
- Main types of waste that can be recycled: oily waste, waste oil, batteries, tires, etc.

Доля переработанных промышленных отходов, %



Business development in the field of waste management

- Number of enterprises for waste collection, transportation, recycling and disposal - 218 enterprises
- Most enterprises represent small and medium businesses
- More than 95% of companies are from private sector
- Waste management companies and landfills are mainly 50% state-owned
- Waste management industry is included in the Priority sectors of the economy of Kazakhstan. State support tools are included.

Implementation of the principle of extended producer responsibility



In 2020, the volume of collected and recycled: vehicles - 44,183 units (35.8 thousand tons), automotive component waste - 25,909 tons, packaging waste - 16,436 tons.

Plans of the Ministry of Ecology, Geology and Natural Resources for 2021

- Development and approval of bylaws to implement the new Environmental Code
- Holding auction selections for projects on aste to Energy.
- Implementation of the Roadmaps for the introduction of separate MSW collection in the cities of Aktobe, Semey, Ust-Kamenogorsk.
- Approval of the "Green Kazakhstan" National Project until 2025.

Contact info

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