TAJIKISTAN
COUNTRY REPORT

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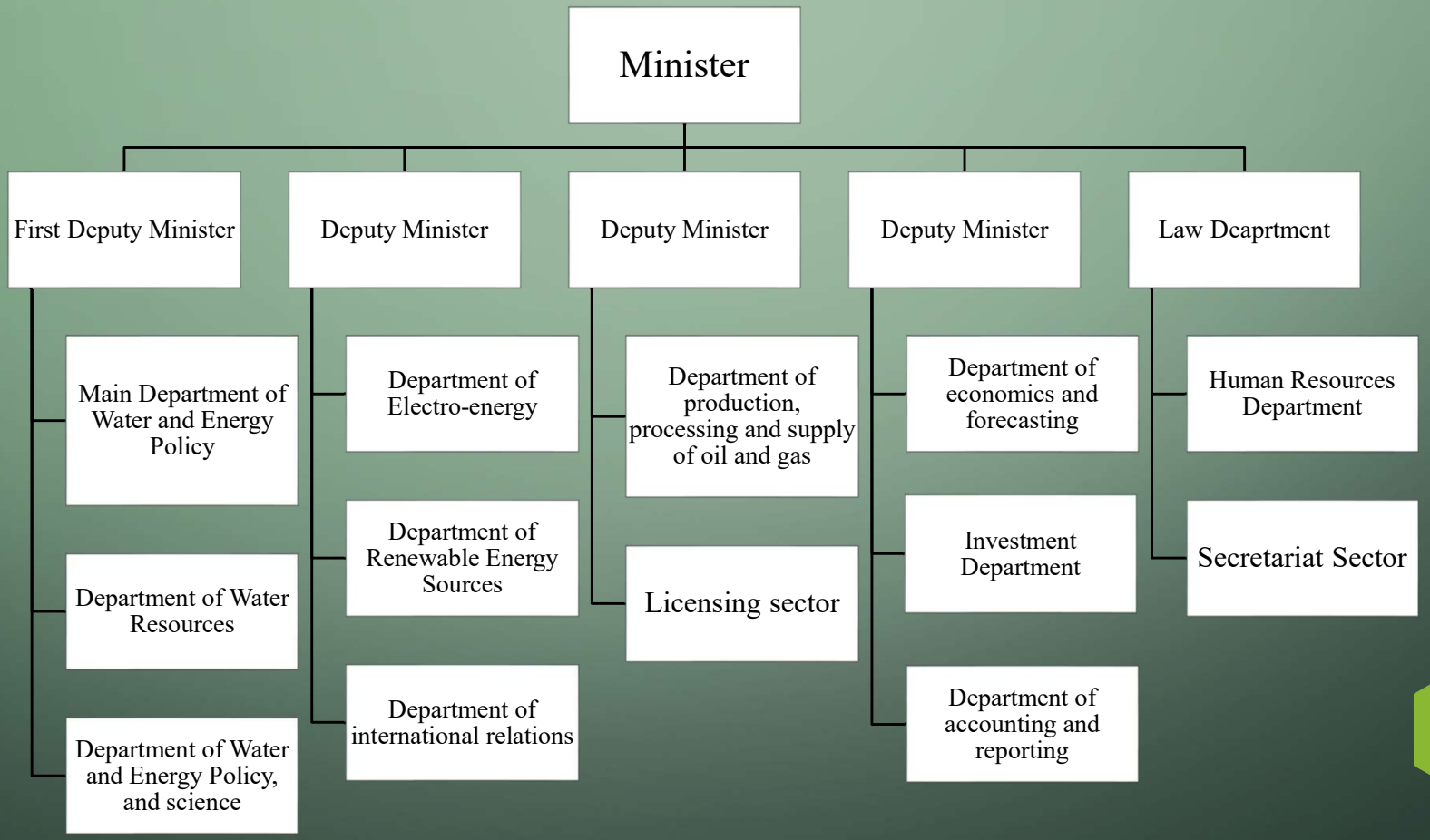
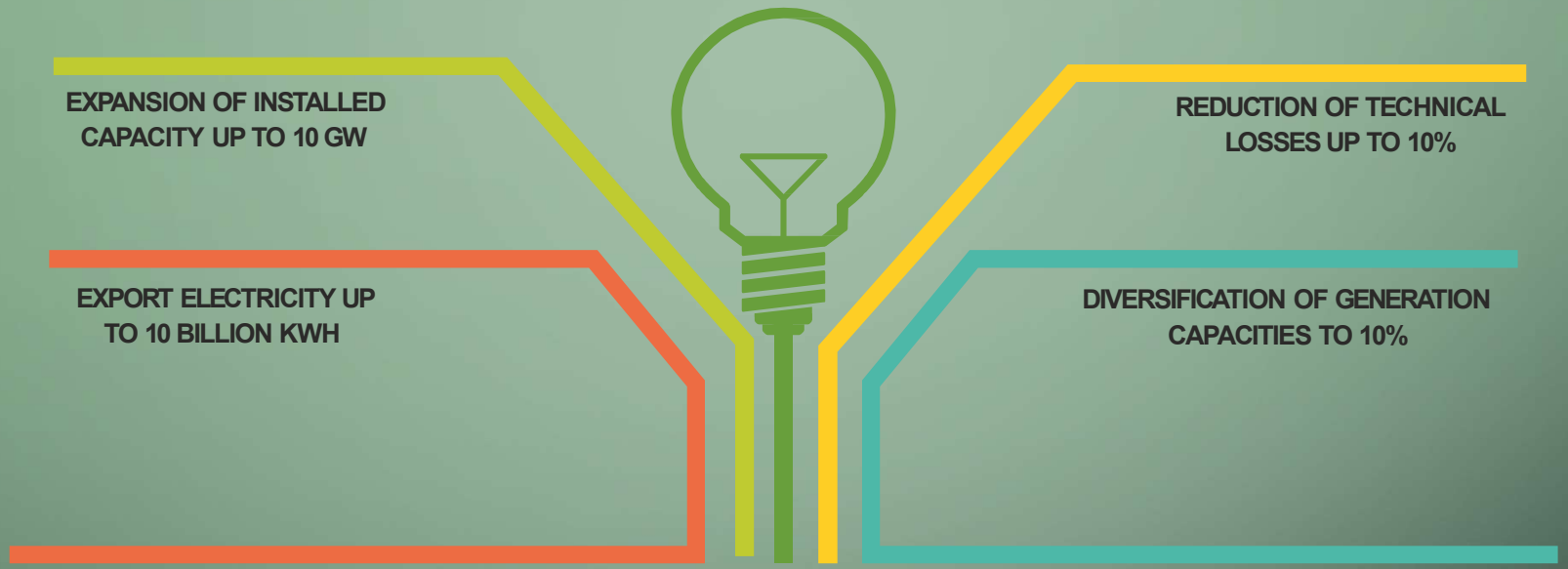
ORGANIZATIONAL STRUCTURE
MINISTRY OF ENERGY AND WATER RESOURCES OF THE REPUBLIC OF TAJIKISTAN



ENERGY PROFILE OF TAJIKISTAN

- Potential for generate 527 billion. kW. hours per year
- The installed capacity of existing power plants is 6120 MW
- Of these, 95% hydro and 5% thermal power stations
- The annual generation more than 22 billion. KW. hour

LONG-TERM ENERGY SECTOR DEVELOPMENT STRATEGY



MAIN DEVELOPMENT INDICATORS

Achievement of Energy Independence was determined by the Government of the Republic of Tajikistan as one of the four strategic tasks within the framework of the National Development Strategy until 2030.

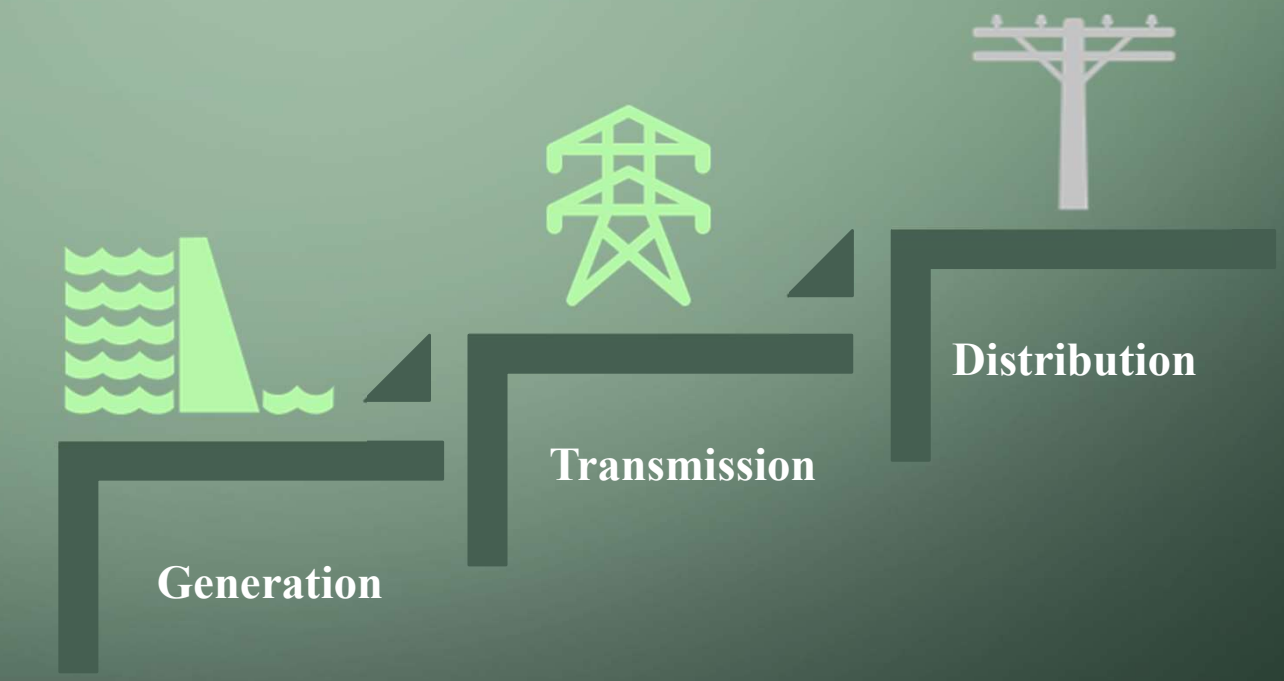
In the National Development Strategy of Tajikistan up to period of 2030 were identified main indicators in energy sector as - 10/10/10/10-500, which means increasing the installed generation capacity to 10 GW, reducing technical and commercial losses in networks up to 10%, increasing electricity exports to 10 billion kWh per year, diversification of generation sources by 10% and additional generation of more than 500 million kWh per year from renewable energy sources and application of energy-efficient technologies.

LAWS AND REGULATIONS

Government participation in improving energy efficiency

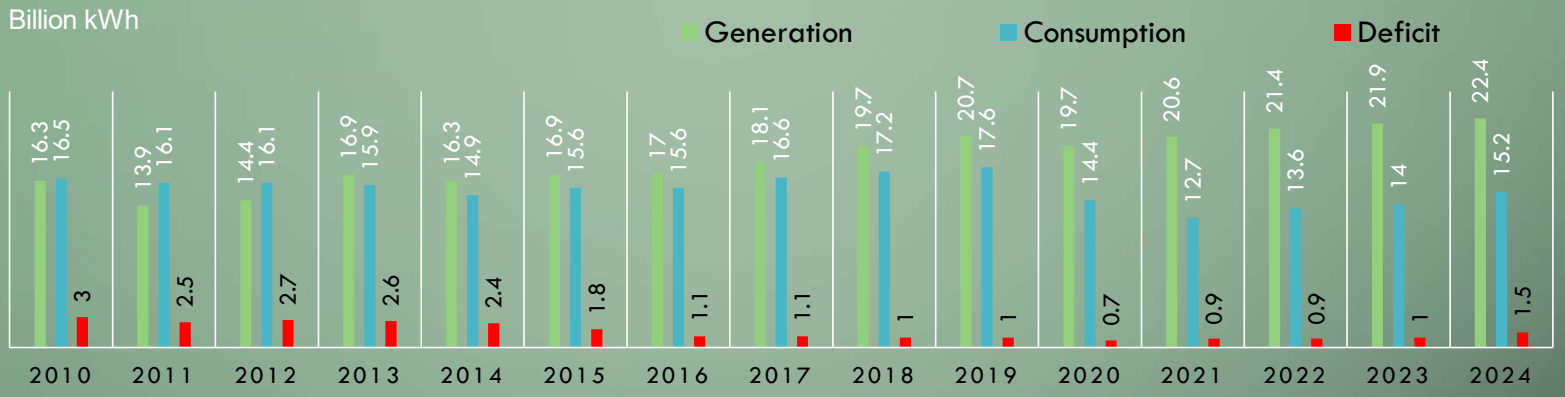
- ✓ Decree of the President of the RT “On additional measures for the economic use of energy and energy saving”, April 24, 2009, #653;
- ✓ Law of the RT “On Energy Saving and Energy Efficiency”, September 19, 2013, #560. Parliament of the RT;
- ✓ Energy Efficiency Strategy for the period until 2030.

RESTRUCTURING OF THE ENERGY COMPANY

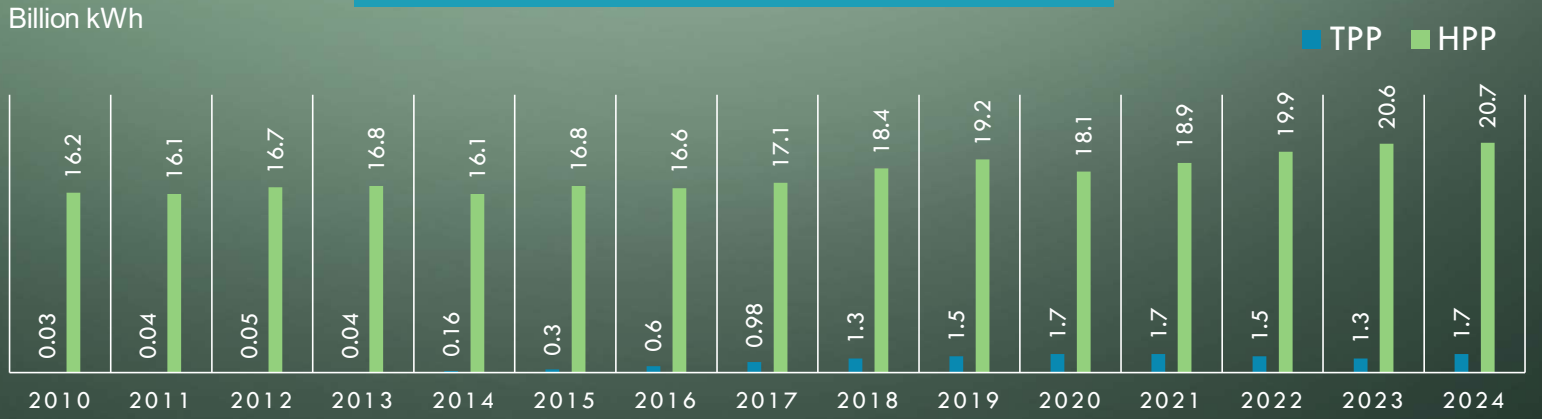


GENERAL STATISTICS

GENERATION VS CONSUMPTION



COMPONENTS OF GENERATION

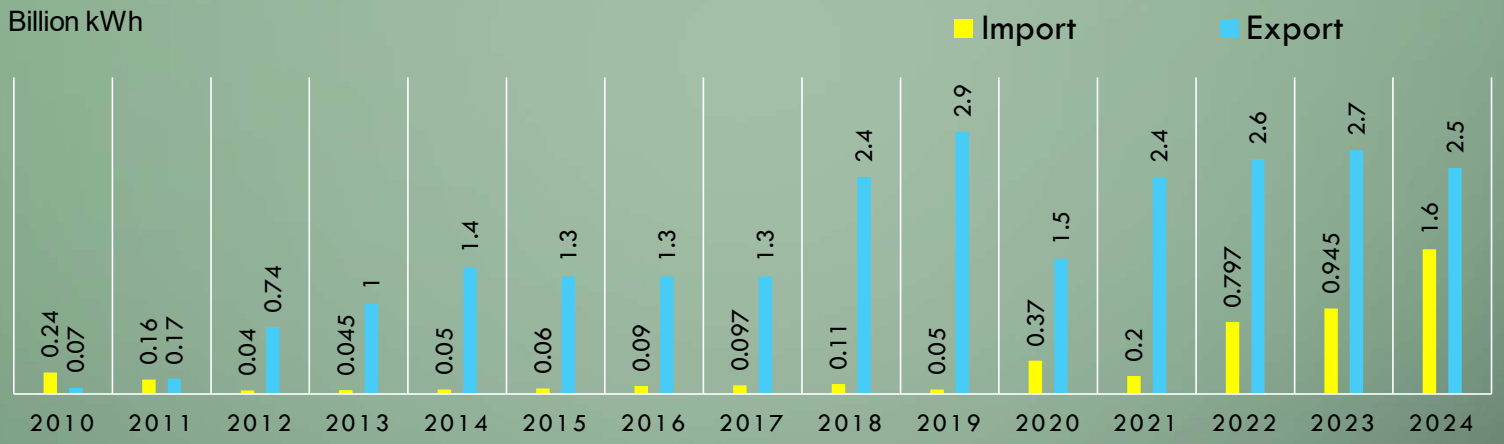


PROJECTS ON ENERGY LOSS REDUCTION AND ENERGY CONSERVATION

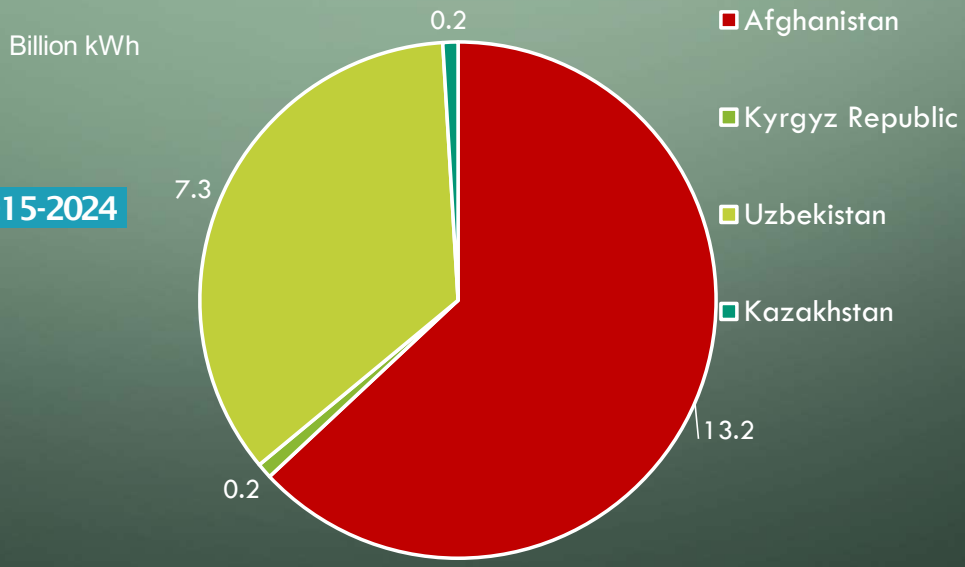
No.	Project Name	Total Project Amount (mln. USD$)	Total Number of Meters to be Installed	Total Number of Meters Installed	Ratio to Total Number of Customers	Losses After Project Implementation (%)	Implementation Period
1	Meter Installation under the "Introduction of Wholesale Metering and Improvement of Power Grids" project (**Completed**)	18 836 805	3 268	3 268	0,19%	3.3% in 500/220/110 kV voltage networks	2015-2024
2	Reduction of Electricity Losses in Khujand City (**Completed**)	35 827 168	80 128	80 128	5%	7%	2012-2017
3	Reduction of Electricity Losses in Sino District of Dushanbe City (Avesto Group) (**Completed**)	51 000 000	143 000	143 000	8%	7%	2020-2024
4	Reduction of Electricity Losses in the cities of Dushanbe, Panjikent, Istaravshan, Isfara, Konibodom, Buston, and Dangara District (**Ongoing**)	95 000 000	402 000	93 000	24%		2022-2026
5	Reduction of Electricity Losses in the cities of Kulob and Bokhtar (**Ongoing**)	40 000 000	80 000	28 000	5%		2022-2026
6	Reduction of Electricity Losses in cities and districts under republican subordination (17 cities and districts) with funding from Avesto Group **- negotiations are ongoing**	109 600 000	496 281		29,2%		2025-2027
7	Reduction of Electricity Losses in Khatlon and Sughd regions with funding from the European Union and EBRD - **negotiations have begun**	100 000 000	500 000		29,4%		2025-2027
	Total:	**431 427 168**	**1 701 409**	**345 706**	**100%**		

GENERAL STATISTICS

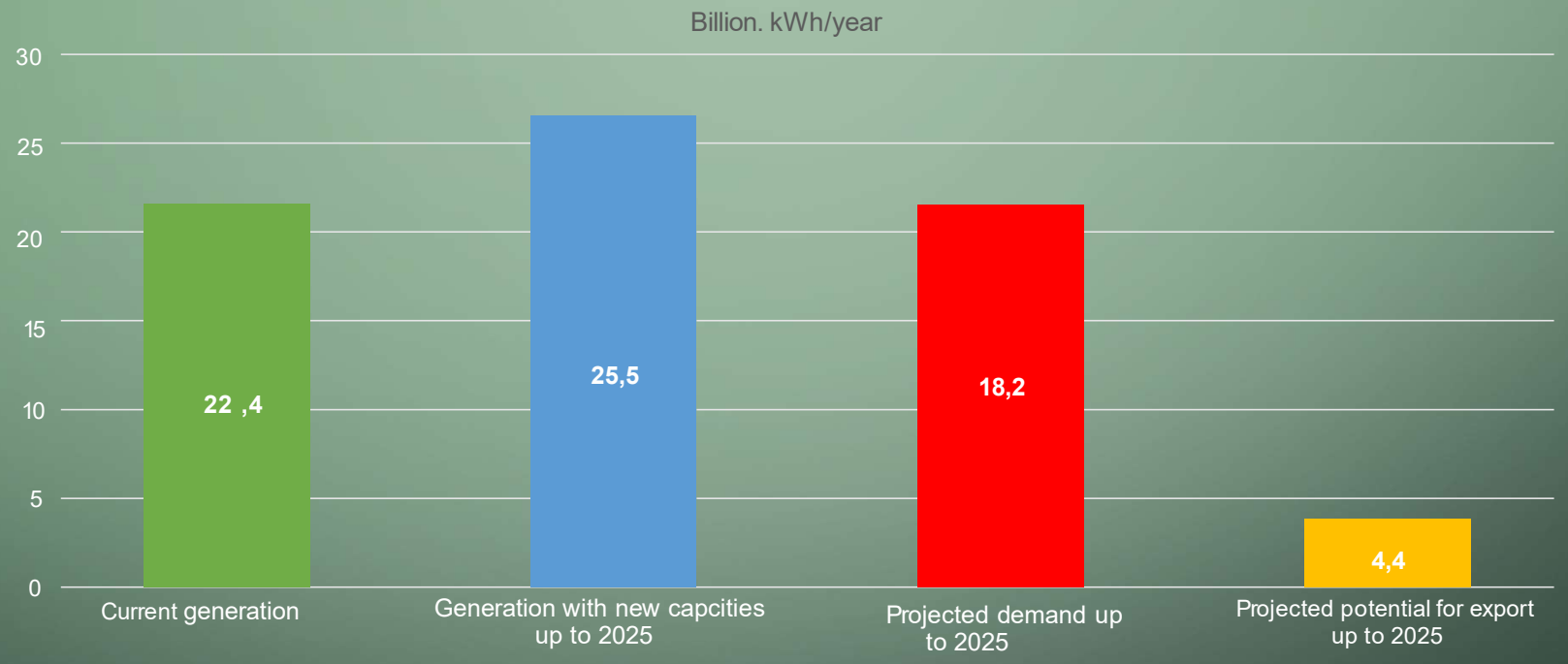
IMPORT VS EXPORT



EXPORT BREAKDOWN 2015-2024



DOMESTIC DEMAND GROWTH REQUIRES AN EXTENSION OF POWER GENERATION

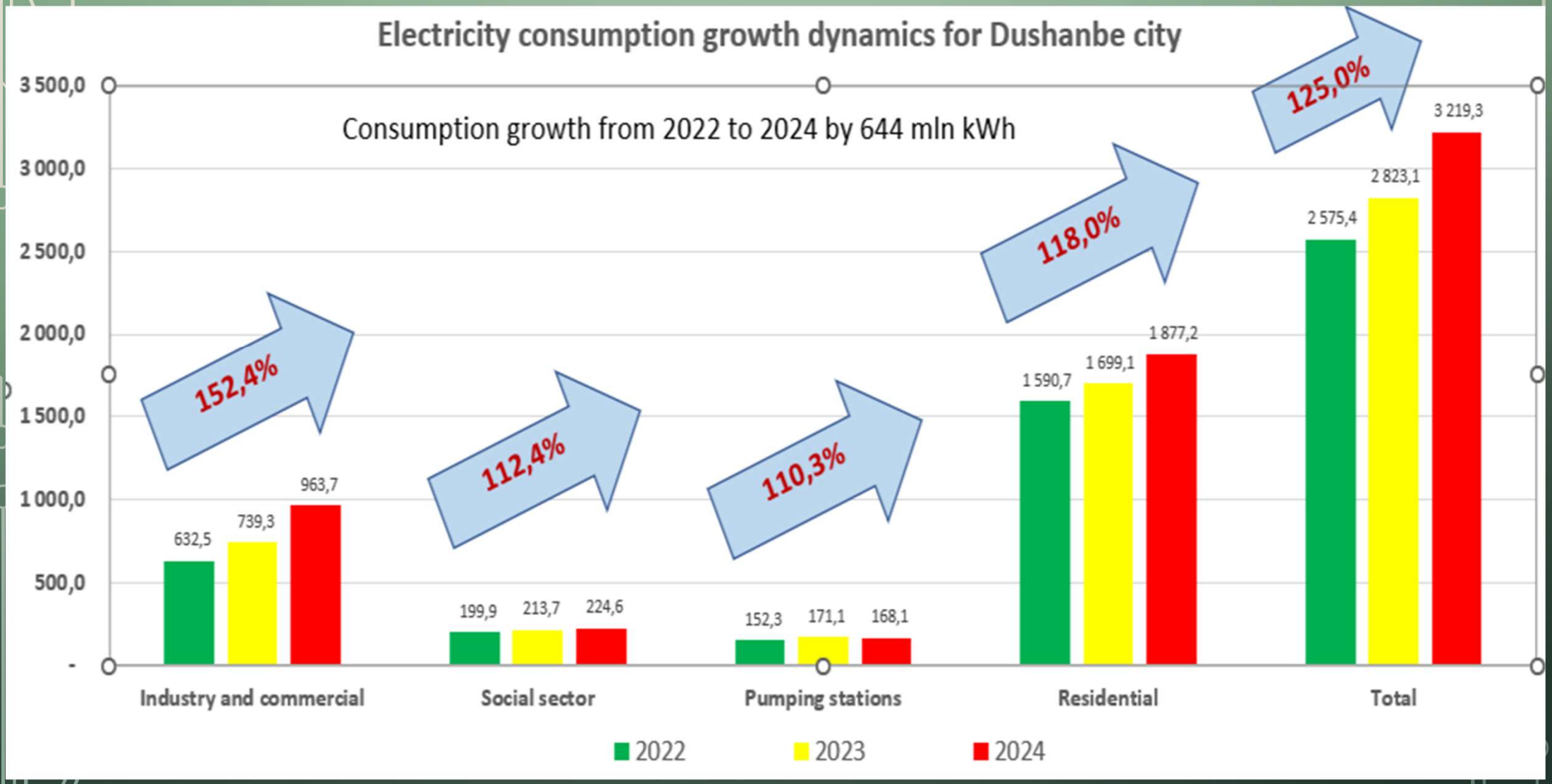


- Tajikistan and region's demand for electricity is increasing and requiring more HPP generation capacity.
- Even after completing HPPs that are under development, demand in the region will be higher than supply.

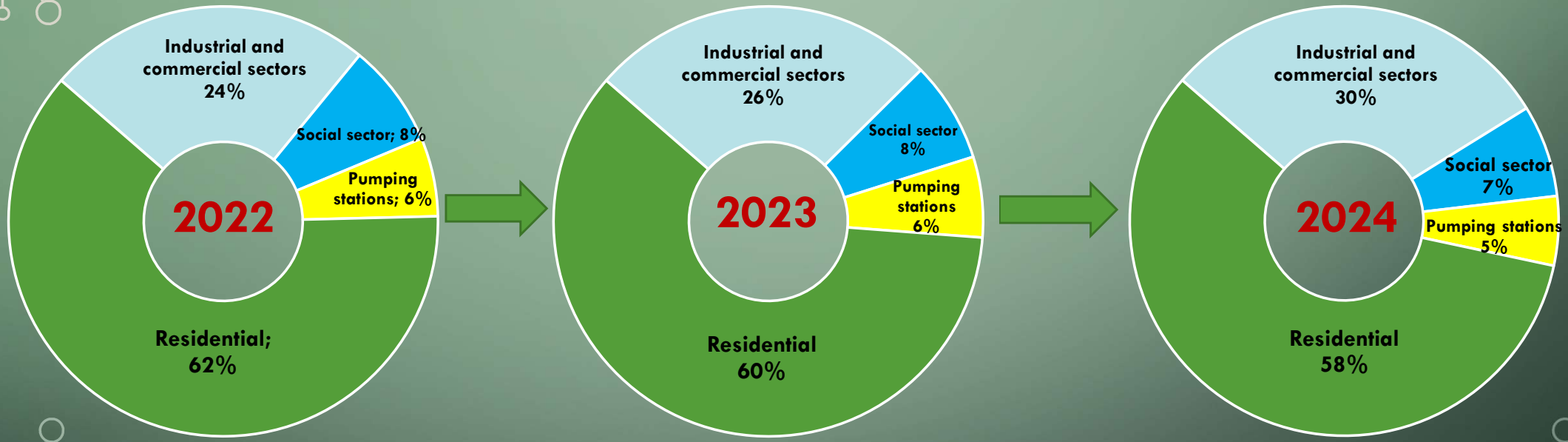
ELECTRICITY CONSUMPTION BY CONSUMER GROUPS DURING 2023-2024

	Consumer group	Consumption	unit	for 12 months 2023	average tariff (dram)	for 12 months 2024	Difference in percentage
Group I	Industrial, non-industrial, agricultural and equivalent consumers	electricity sold	kWh	4 641 490 384,2	67,5	5 432 673 109,1	117,0%
Group II	Consumers of the public sector, enterprises utilities and electrified transport	electricity sold	kWh	606 678 919,4	30,6	635 537 853,2	104,8%
Group III	Water pumps, machine irrigation pumping stations, boreholes and reclamation pumping stations	electricity sold	kWh	2 956 690 401,6	10,7	2 784 677 657,0	94,2%
Group IV	Population	electricity sold	kWh	5 831 051 614,1	26,6	6 244 761 049,9	107,1%
Total		**electricity sold**	**kWh**	**14 045 708 511,2**	**30,6**	**15 118 999 172,5**	**107,6%**

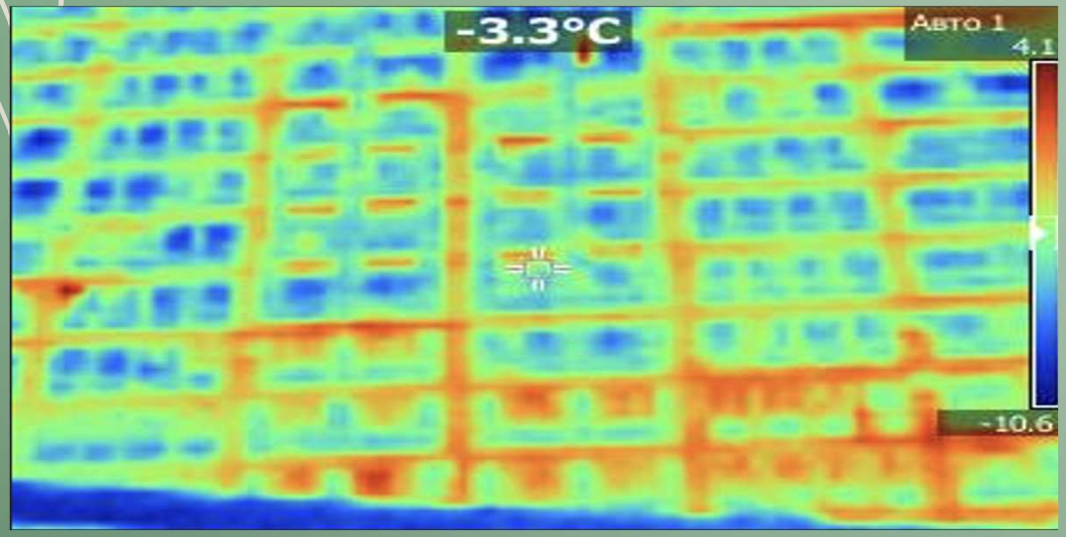
ELECTRICITY CONSUMPTION IN DUSHANBE CITY

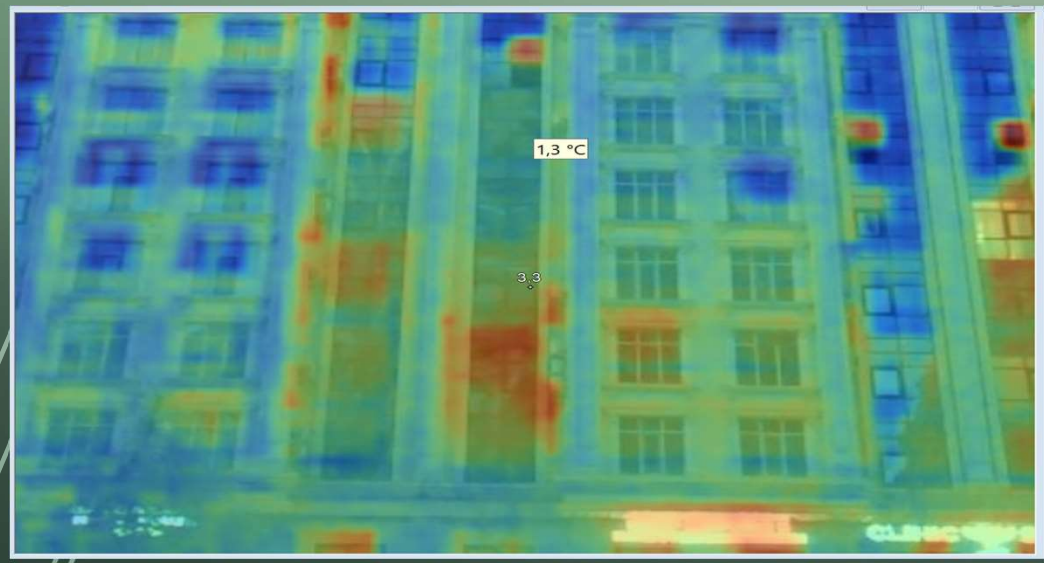


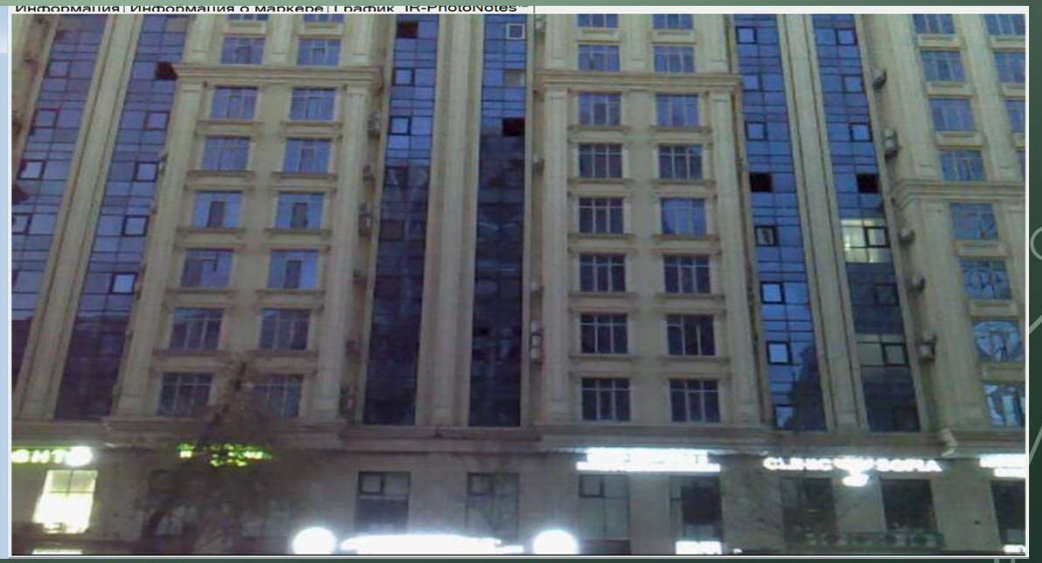
ELECTRICITY CONSUMPTION BY SECTORS



ANALYSIS OF THE LOSSES OF HEATING IN THE RESIDENTIAL BUILDINGS








ありがとうございました
THANK YOU !