

Current state of the power grid of the Republic of Uzbekistan and electricity trade with other power grids



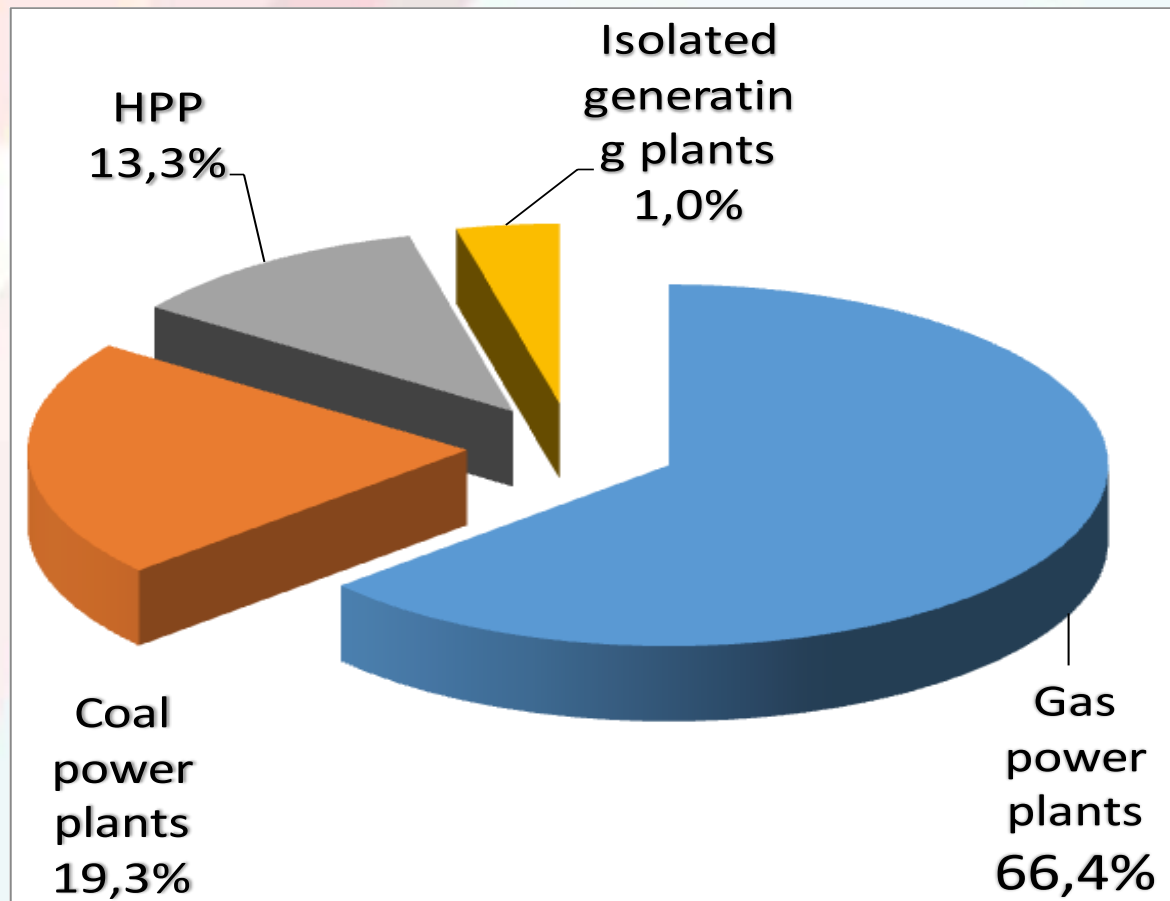
27th CAREC ESCC MEETING
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The existing structure of installed capacities of power plants in Uzbekistan

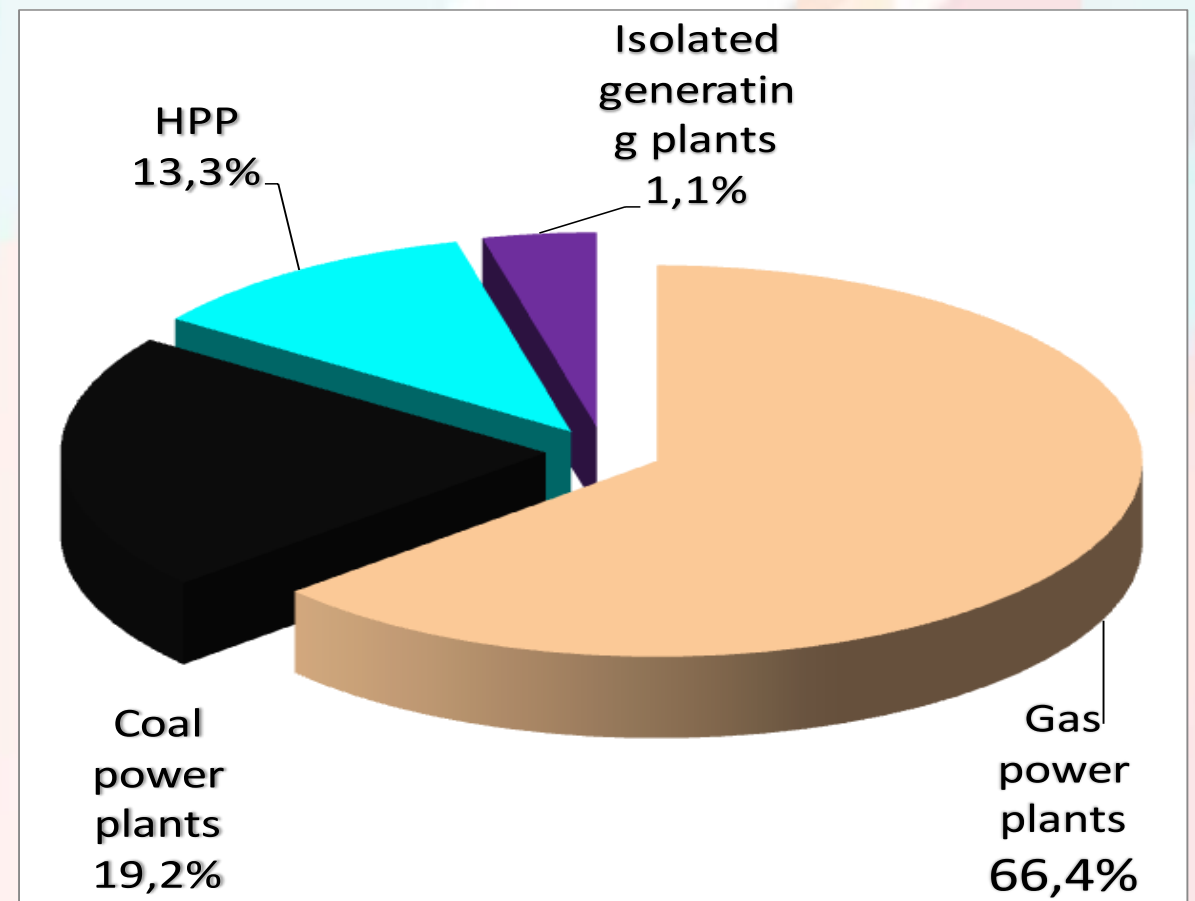
Power plants of Uzbekistan	Rated output power (MW)	%	%
Total in Uzbekistan:	14,140.6	100	100
1. JSC "Uzbekenergo" (7 thermal power plants and 3 combined heat and power plants), including:	12,129.0	85.7	85.6
- thermal power plants (7 TPP)	11,707.0	82.8	83.8
- combined heat and power plants (3 CHPP)	422.0	2.9	1.8
2. JSC Uzhydroenergo	1,878.7	13.3	13.3
3. Isolated generating plants (UGHK-96.9 MW and AGMK-36 MW)	132.9	1.0	1.1

Current structure of the installed capacities of power plants in Uzbekistan

Installed capacity



Power generation



Map of the main 220-500 kV power grids of the CA IPG in 2020 prospects



Electricity trading

Currently, Uzbekistan works hard to ensure transit of electricity through Uzbekistan's power grids, as well as trade in electricity with other power grids.

In 2017, a number of memorandums of understanding were signed:

- ❑ The Ministry of Energy and Water of the Islamic Republic of Afghanistan signed MoU on energy that includes intentions to build power transmission lines between power grids and ensure transit of electricity.
- ❑ The Ministry of Energy of Turkmenistan signed MoU on electricity transit and exchange that stipulates promotion of cooperation in the transit of electricity to other countries through the power grids of the Republic of Uzbekistan.

Electricity trading

Starting from 2017, under the agreement between Kazakhstan and Uzbekistan, electricity is transited between parts of Kazakh power grid through the power grid of Uzbekistan.

Electricity transit volume was as follows:

- - in 2017 - **88.0 million kWh**;
- - from the beginning of 2018 - **22.2 million kWh**.
- In 2017, **1,834.0 million kWh** of electricity was exported to the Islamic Republic of Afghanistan.
- **1,142.0 million kWh** of electricity was imported from the power grid of Kyrgyzstan during the cropping season under the contract signed with Electric Stations JSC.
- Another contract was signed with Electric Stations JSC for the supply of up to **550.0 million kWh** of electricity during the autumn/winter period.
- From the beginning of the year (as of March 1, 2018), **303.2 million kWh** of electricity was supplied under this contract.



THANK YOU

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