

## Energy infrastructure Turkmenistan

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Is biomass a source of electricity in Turkmenistan?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important source in lower-income settings. Turkmenistan: How much of the country's electricity comes from nuclear power? Nuclear power - alongside renewables - is a low-carbon source of electricity.

#### Does Turkmenistan have natural gas?

Given these figures, Turkmenistan holds the world's fourth-largest proven natural gas reservesafter Russia, Iran and Qatar. Currently, Turkmenistan's largest customer is the People's Republic of China. Turkmenistan supplies over 30bn m3/y of natural gas to China through the three lines (A,B and C) of the Central Asia Gas Pipeline system.

### Will Turkmenistan join the global methane pledge?

Speaking at the COP28 climate summit in Dubai, Turkmenistan's President Serdar Berdimuhamedov announced the country's accession to the Global Methane Pledge. In so doing, Turkmenistan joined over 150 countries working collectively to reduce global methane emissions by at least 30% from 2020 levels by 2030. This content is for EI members only.

#### Who is Turkmenistan's largest customer?

Currently, Turkmenistan's largest customer is the People's Republic of China. Turkmenistan supplies over 30bn m3/y of natural gas to China through the three lines (A,B and C) of the Central Asia Gas Pipeline system. Upon completion of the fourth D line, the annual Turkmen natural gas supply will reach a contractual 65bn m3/y.

Turkmenistan's energy sector faces a variety of challenges that need to be addressed to ensure the efficient development of the energy market and the establishment of a favorable investment climate. Sizeable subsidies had provided Turkmen citizens with free electricity, gas, and drinking water since the 1990s.

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Large-scale projects for establishment of multidimensional energy infrastructure realized in our country serve to the consolidation of national, regional and international energy security and to activation of economic relations in Eurasian space.

Pipelines / Natural gas pipelines / Europe / Asia Pacific / Russian Federation / China (PRC) / Kyrgyzstan / Tajikistan / Turkmenistan / Uzbekistan Power of Siberia 2, Russia"s long-in-development pipeline designed to



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send additional gas to China, has taken on a new importance in the past year because of Moscow's collapsing energy ...

Turkmenistan: Many of us want an overview of how much energy our country consumes, where it comes from, and if we"re making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

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Located in the capital of Ashgabat, the office will serve as the hub of GE Energy's growing activities in Turkmenistan's power generation and delivery sectors. The office will include a training facility and a technology showcase.

Masdar, the UAE-based global renewable energy company, has signed a joint development agreement with Turkmenenergo State Power Corporation of the Ministry of Energy of Turkmenistan (Turkmenenergo), to develop a 100-megawatt (MW) solar photovoltaic (PV) plant, which will be the company's first project in Turkmenistan.

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UNECE"s technical assistance can help Turkmenistan to modernize its energy infrastructure, improve energy efficiency, and reduce its environmental impact, harnessing innovation and technology transfer in accelerating the deployment of clean energy technologies, together with capacity building support.

Afghanistan is set to begin work on the long-awaited Turkmenistan-Afghanistan-Pakistan-India (TAPI) pipeline, a landmark USD 10 billion project that promises to enhance regional energy connectivity and drive economic development.

Together with export, satisfaction of growing internal demand of energy resources is one of important objectives of fuel and energy complex, which is provided by dynamic rates of development of leading branches of national economy including oil and gas, chemical, power energy, construction energy and other spheres.



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