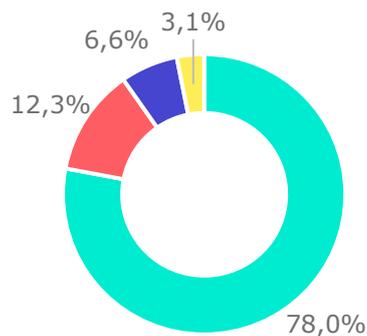


# Fuel structure 2023

Information for customers of Axpo Polska sp. z o.o. ("Axpo") on the structure of fuels and other primary energy carriers consumed for the generation of electricity sold by Axpo in 2023, in accordance with §44 of the Decree of the Minister of Climate and Environment dated March 22, 2023 on detailed conditions for the operation of the electric power system.

Energy sources	Share %
<b>Hard coal</b>	12,3%
<b>Lignite</b>	6,6%
<b>Nuclear energy</b>	0,0%
<b>Natural gas</b>	3,1%
<b>Renewable energy sources</b>	78,0%
<i>wind energy</i>	70,0%
<i>solar energy</i>	6,0%
<i>Hydropower</i>	0,4%
<i>geothermal</i>	0,0%
<i>biomass</i>	1,2%
<i>biogas</i>	0,3%
<b>Other</b>	0,0%
<b>Total</b>	100,0%

The structure of fuels and other energy carriers of primary energy consumed to generate electricity sold by Axpo in 2023.



Pie chart graphically depicting the structure of fuels and other primary energy carriers used to generate electricity sold by Axpo in 2023.

- Renewable energy sources
- Hard coal
- Lignite
- Natural gas

# Emission volumes 2023

Information on where information is available on the environmental impact of electricity generation in terms of emission volumes for individual fuels and other primary energy carriers consumed to generate electricity sold by Axpo in 2023.

Place where information on the environmental impact of electricity generation is available.	Type of fuel	CO <sub>2</sub> [Mg/MWh]	SO <sub>x</sub> [Mg/MWh]	NO <sub>x</sub> [Mg/MWh]	Dusts [Mg/MWh]	Radioactive waste [Mg/MWh]
European Environment Agency <a href="https://www.eea.europa.eu/en/topics/in-depth/energy">https://www.eea.europa.eu/en/topics/in-depth/energy</a>	Hard coal	0,820887805	0,000581	0,000655	0,000033	0
European Environment Agency <a href="https://www.eea.europa.eu/en/topics/in-depth/energy">https://www.eea.europa.eu/en/topics/in-depth/energy</a>	Lignite	0,980780488	0,000775	0,000873	0,000044	0
European Environment Agency <a href="https://www.eea.europa.eu/en/topics/in-depth/energy">https://www.eea.europa.eu/en/topics/in-depth/energy</a>	Natural gas	0,399168	0,000323	0,000364	0,000018	0
European Environment Agency <a href="https://www.eea.europa.eu/en/topics/in-depth/energy">https://www.eea.europa.eu/en/topics/in-depth/energy</a>	Biomass	0,31	0,00001	0,00019	0,00001	0
European Environment Agency <a href="https://www.eea.europa.eu/en/topics/in-depth/energy">https://www.eea.europa.eu/en/topics/in-depth/energy</a>	Other RES	0	0	0	0	0
<b>Sum</b>		<b>0,182092275</b>	<b>0,000132904</b>	<b>0,000151971</b>	<b>0,00001</b>	<b>0</b>

Source: National Balancing and Emission Management Center (Institute for Environmental Protection), Energy Market Agency S.A. and own calculations.

## Energy efficiency improvement measures and technical characteristics of equipment

Information on energy efficiency improvement measures within the meaning of the Act of May 20, 2016 on energy efficiency concerning equipment and installations using electricity can be found at the following link: <https://www.gov.pl/web/klimat/efektywnosc-energetyczna>

Information on the technical characteristics of energy-efficient appliances, such as household and consumer electronics, office equipment and lighting can be found at: <https://www.gov.pl/web/klimat/etykiety-energetyczne>