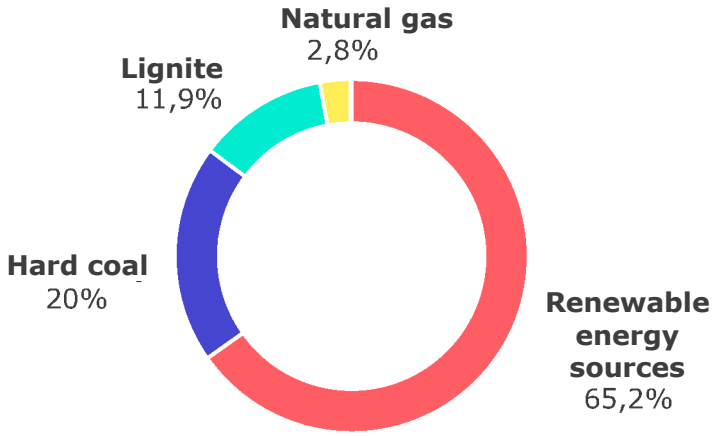
2022 Fuel Structure

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 2022, in accordance with §37 of the Regulation of the Minister of Economy of 4 May 2007 on detailed conditions for the operation of the power system.

The structure of fuels and other primary energy carriers used to generate the electricity sold by Axpo in 2022.

Energy sources	Share %
Renewable energy sources	65.19 %
wind	60.18 %
photovoltaics	2.62 %
water	0.50 %
biomass	1.55 %
biogas	0.34 %
Hard coal	20.04 %
Lignite	11.94 %
Natural gas	2.83 %
TOTAL	100 %

Pie chart presenting the structure of fuels and other primary energy carriers consumed to generate the electricity sold by Axpo in 2022.



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Emissions in 2022

Information on where information is available on the environmental impact of electricity generation in terms of emissions for the various fuels and other primary energy carriers used to generate the electricity sold by Axpo in 2022.

Place where information on the environmental impact of electricity generation is available	Type of fuel	CO_2 [Mg/MWh]	SO_2 [Mg/MWh]	NOx [Mg/MWh]	Total dust [Mg/MWh]	Radioactive waste
European Environment Agency https://www.eea.europa.eu/pl/themes/energy/intro	**Hard coal**	0.820888	0.000581	0.000655	0.000033	0
European Environment Agency https://www.eea.europa.eu/pl/themes/energy/intro	**Lignite**	0.98078	0.000775	0.000873	0.000044	0
European Environment Agency https://www.eea.europa.eu/pl/themes/energy/intro	**Natural gas**	0.399168	0.000323	0.000364	0.000018	0
European Environment Agency https://www.eea.europa.eu/pl/themes/energy/intro	**Biomass**	0.31	0.00001	0.00019	0.00001	0
European Environment Agency https://www.eea.europa.eu/pl/themes/energy/intro	**Renewable energy sources**	0	0	0	0	0
	TOTAL	0.297707	0.000218	0.000249	0.00001	0

Source: National Balancing and Emissions Management Centre (Institute for Environmental Protection), Agencja Rynku Energii S.A. and own calculations.

Energy efficiency measures

Place where information on energy efficiency measures within the meaning of the Energy Efficiency Act of 20 May 2016 is available,					
Implementation and financing of an energy efficiency improvement project	Acquisition of an appliance, installation or vehicle with low energy consumption and low costs	Replacement of an equipment, installation or vehicle in operation with an equipment, installation or vehicle referred to in column (b), or its upgrade	Implementation of a thermomodernisation project within the meaning of the Act of 21 November 2008 on thermomodernisation and renovation (Journal of Laws of 2020, item 22, 284 and 412)	Implementation of an environmental management system as referred to in Article 2(13) of Regulation (EC) No 1221/2009 of the European Parliament and of the Council of 25 November 2009 on the voluntary participation by organisations in a Community eco-management and audit scheme (EMAS), repealing Regulation (EC) No 761/2001 and Commission Decisions 2001/681/EC and 1 2006/193/EC (OJ EU L 342, dated 22/12/2009, p. 1, OJ EU L 158, dated 10/06/2013, p. 1, OJ EU L 222, dated 29/08/2017, p. 1, OJ EU L 325, dated 20/12/2018, p. 18, and OJ EU L 288, 03.09.2020, p. 29), confirmed by obtaining an entry in the EMAS register referred to in Article 5(1) of the Act of 15 July 2011 on the National Eco-Management and Audit Scheme (EMAS) (Journal of Laws of 2020, item 634)	Implementation of municipal low-carbon programmes referred to in the Act of 21 November 2008 on thermal modernisation and renovation (Journal of Laws of 2020, item 22, 284 and 412)
(a)	(b)	(C)	(d)	(e)	(f)
government website https://www.gov.pl/web/klimat/efektywnosc-energetyczna	**government website** https://www.gov.pl/web/kli mat/efektywnosc-energetyczna	**government website** https://www.gov.pl/web/kli mat/efektywnosc-energetyczna	**government website** https://www.gov.pl/web/kli mat/efektywnosc-energetyczna	**government website** https://www.gov.pl/web/kli mat/efektywnosc-energetyczna	**government website** https://www.gov.pl/web/klimat/efektywnosc-energetyczna
Energy Regulatory Office https://www.ure.gov.pl/pl/efektywnosc- kogenerac/efektywnosc-energetyczn	**Project entitled "Nationwide system of advisory support for the public, housing and business sectors in the field of energy efficiency and RES" of the National Fund for Environmental Protection and Water Management (NFOŚiGW)** https://doradztwo-energetyczne.gov.pl/	**Project entitled "Nationwide system of advisory support for the public, housing and business sectors in the field of energy efficiency and RES" of the National Fund for Environmental Protection and Water Management (NFOŚiGW)** https://doradztwo-energetyczne.gov.pl/		**National Fund for Environmental Protection and Water Management (NFOŚiGW)** https://www.nfosigw.gov.pl/	
National Fund for Environmental Protection and Water Management (NFOŚiGW) https://www.nfosigw.gov.pl/					

Technical characteristics of energy-efficient appliances

Place where information on the technical characteristics of energy-efficient appliances is available		
Domestic appliances and consumer electronics	Illumination	Office equipment
Krajowa Agencja Poszanowania Energii KAPE S.A. **https://www.kalkulator.kape.gov.pl/**	**Krajowa Agencja Poszanowania Energii KAPE S.A.** https://www.kalkulator.kape.gov.pl/	**Krajowa Agencja Poszanowania Energii KAPE S.A.** https://www.kalkulator.kape.gov.pl/
government website https://www.gov.pl/web/klimat/nowe-etykiety-energetyczne	**government website** https://www.gov.pl/web/klimat/nowe-etykiety-energetyczne	**government website** **https://www.gov.pl/web/klimat/nowe-etykiety-energetyczne**