

# CLIMATE DECLARATION FOR ELECTRICITY FROM HYDRO POWER

Functional unit: 1 kWh net electricity from the Wildegg-Brugg run-of-river power plant

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD® (Environmental Product Declaration), in accordance with ISO 14025.

## Product

The Wildegg-Brugg run-of-river power plant, wholly owned by Axpo, uses the head difference over a 9-km stretch of the River Aare to produce a total power output of 50 megawatt. This represents an annual average electricity generation of around 300 gigawatt hours - an important contribution to Axpo's baseload production.

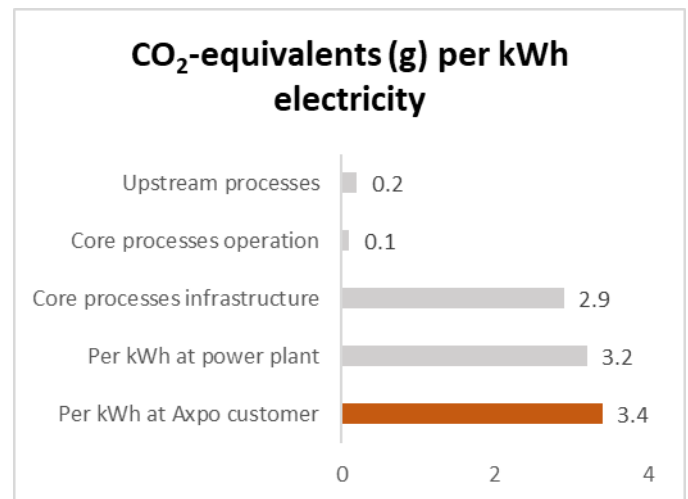
The declared product is 1 kilowatt hour (kWh) net electricity generated in Wildegg-Brugg run-of-river power plant and thereafter distributed to a customer connected to the Axpo network during the reference year 2017/18 (1 October to 30 September).

## Company

Axpo is a leading Swiss energy company supplying electricity to about three million people. Axpo uses run-of-river power plants and nuclear power plants to cover the base load. Fluctuating demand and peak loads are balanced using storage and pump storage plants. More information is presented on the Internet: [www.axpo.com](http://www.axpo.com).

## Climate declaration

The life cycle assessment methodology has been applied to quantify the environmental impact. It comprises the complete electricity generation process and all associated processes from “cradle to grave”. The climate impact is summarized in the table below.



## Other environmental information

The complete certified declaration also contains information on greenhouse gas emissions due to the distribution of electricity and LCA results on other emissions, resource use, see [www.environdec.com](http://www.environdec.com).

## Contact

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[www.axpo.com](http://www.axpo.com)

LINK TO MORE INFORMATION: <a href="http://WWW.ENVIRONDEC.COM/EN/DETAIL/EPD205">WWW.ENVIRONDEC.COM/EN/DETAIL/EPD205</a>		EPD PROGRAMME: THE INTERNATIONAL EPD®SYSTEM	
REGISTRATION NO: S-P-00205	PCR: 2007:08	PCR REVIEW CONDUCTED BY: TC INTERNATIONAL EPD®SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: BUREAU VERTIAS CERTIFICATION, SWEDEN		ACCREDITED / APPROVED BY: SWEDAC	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
READ MORE ABOUT CLIMATE DECLARATIONS AT <a href="http://WWW.ENVIRONDEC.COM">WWW.ENVIRONDEC.COM</a>			VALIDITY: 2022-05-28