



Energy Strategy.

On behalf of the Federal Office of Transport, SBB supplies the Swiss rail system with around 2,500 gigawatt hours of energy per year.

Based on findings from winter 2022/23 with the threat of an energy shortage and sharp price fluctuations on the energy market, SBB drew up a new energy strategy. SBB aims to secure coverage of 95% of rail power requirements during the winter half-year long-term by 2030, ensuring greater independence from the electricity market. The summer half-year is generally already covered by SBB's own power production. SBB is focusing on stepping up its energy-efficiency measures, expanding its existing hydropower plants and opening up its sites for the installation of photovoltaic systems. In this way, SBB is supporting the Swiss Confederation's 2050 Energy Strategy and adopting its measures.

Energy efficiency.

SBB has been systematically implementing energy-efficiency measures since 2012, thereby saving energy. It aims to improve energy efficiency by 30% by 2030, saving 850 gigawatt hours a year compared with 2010. As energy requirements will increase long-term with the continual expansion of services, additional energy-efficiency measures will be required to meet this extra demand. They include, for example, the optimisation of train control and the procurement of energy-efficient trains. This will ensure the long-term energy requirements of 2,500 gigawatt hours a year will not be exceeded.

More information at SBB energy efficiency →

Renewable energy.

SBB trains are powered by electricity generated entirely from renewable sources, as certified by guarantees of origin (GOs). SBB uses renewable energy (hydropower and photovoltaic systems) to produce its electricity. By 2040, SBB aims to produce 160 gigawatt hours of electricity a year from photovoltaic systems installed on its buildings and sites. SBB will reach an initial milestone of 100 gigawatt hours a year by 2030. 160 gigawatt hours is equivalent to the power requirements of around 40,000 households.

More information at New renewable energies →

More on the topic.

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