

Renewable energies at the SBB (Swiss Railways)

SBB is examining whether the electricity and heat for its buildings can be provided by renewable energies. EBP examines the technical and economic aspects and evaluates several strategic Options.

SBB intends to ensure that 100% of the electricity and heat for its buildings and premises is sourced from renewable energies in future. The BahnUmwelt-Center (Rail Environment Centre) has therefore instructed EBP to investigate the possibilities. The focus of the study was on the potential options and technologies for generating renewable energies for the key dates of 2015, 2030 and 2050 in Switzerland and Europe. On the basis of this, EBP have set out for SBB various strategies for generating electricity and water. These take account both of self-production and the buying-in of certified renewable energies from within Switzerland or abroad. EBP has evaluated the total costs, feasibility, communicability and risks of each strategy.

EBP also compared the present and future costs of an energy supply from renewable energies with those of a supply from nuclear power and fossil fuels. The results are confidential.

Client

Swiss Federal Railways (SBB)

Facts

Period 2011

Project Country Switzerland

Contact persons

Dr. Sabine Perch-Nielsen
sabine.perch-nielsen@ebp.ch