



# Renewable electricity switzerland

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Since 1990, the proportion of renewable energy to the total energy consumption has risen by 10 percent and now makes up more than one quarter. The most relevant renewable

As the costs of solar panels and wind turbines have fallen dramatically in recent years, renewables now represent the cheapest source of new electricity generation in many parts of

About 62% of Switzerland's electricity generation came from hydro, while renewables-driven and conventional thermal power plants supplied a combined contribution of 9%.

The most-used renewable sources of Swiss-produced energy are hydroelectric power (about 60%), followed by wood (just under 20%) and, in decreasing order, waste, ambient

Switzerland is advancing its clean energy transition, supported by strong large hydropower and pumped storage dominance, solar PV expansion, and policies aimed at achieving

OverviewConsumptionHydro powerOil powerGas powerNon-hydro renewablesGlobal warmingPower stationsAccording to the IEA the electricity use (gross production + imports ? exports ? transmission/distribution losses) in Switzerland was in 2004 60.6 TWh, (2007) 61.6 TWh and (2008) 63.5 TWh. In 2008 Switzerland consumed electricity per inhabitant 122% compared to the European Union 15 average (9,052 / EU15: 7,409 electricity use per inhabitant 2008, kWh/person) and 133% compared to the United Kingdom (2008: UK 372.19 TWh per 59.9milj. person, and Switzerland 63,53 TWh per 7,71 milj.person).

The energy transition in Switzerland follows a clear road map. The Federal Office of Energy has ambitious goals set for 2030 and beyond. They intend to increase their renewable energy to half of

In a joint study, experts from local universities have looked for ways to supply Switzerland with renewable electricity by 2035. The results show that the three strategies developed



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Switzerland's electricity mix includes 60% Hydropower, 29% Nuclear and 7% Solar. Low-carbon generation peaked in 2001.

Despite the expansion of renewables, Switzerland does not produce any more winter electricity today than it did ten years ago.

Hydroelectric power dominates, representing over 60% of Swiss energy, while solar power shows significant growth potential, outpacing other "new" renewables. Notably, renewable energy

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