

# Towards an Energy Union...

## Sweden

This factsheet is a summary of full version contained in the 3rd Energy Union Report (November 2017)



with security  
& solidarity...

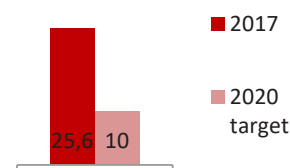
The main energy source in Sweden's energy mix is renewables, followed by nuclear power, both of which are produced within the country. This, combined with only limited use of gas, means that Swedish energy import levels are below the EU average. Diversification of suppliers is also good, and so **Sweden has a good energy security situation.**



in an integrated  
market...

To ensure **access to cheap and secure energy for all consumers in Europe** the EU is investing in energy infrastructure to allow energy to be traded freely between and within EU countries. Sweden is performing well in the area of electricity interconnection, with a level of 25.6%, and is furthermore a leading country in the roll out of smart metering, which allows consumers to buy electricity at spot prices.

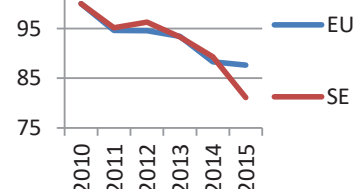
Interconnectivity  
level in %



which does more  
with less...

Sweden is working on decreasing its energy consumption to achieve its 2020 energy efficiency target. The country needs to implement measures to use its full potential for energy efficiency, not least in its buildings where the energy consumption per square metre is well above the EU average. The EU is investing **€92 million in energy efficiency improvements in buildings** in Sweden.

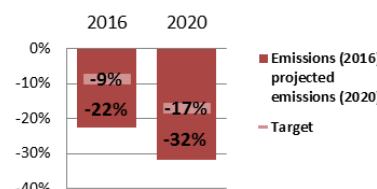
Energy efficiency Trend



based on  
climate-friendly  
policies...

Until 2016 Sweden has had lower greenhouse gas emissions than its annual targets for emissions not covered by the EU emissions trading system (EU ETS). This national target covers notably emissions from transport, buildings, agriculture and waste. **Sweden is expected to reach its 2020 target**, which is to decrease emissions by 17 % from 2005 levels, by a large margin. Sweden had 53.9 % renewable energy in 2015, which is above the 2020 target of 49 %.

Greenhouse gas emissions in  
non-ETS sectors



that fosters  
research, innovation  
& competitiveness.

The Swedish research and innovation programme forms part of the country's energy policy, and funds are divided between research and innovation and the uptake of new, clean, and efficient energy technology. Under the Horizon 2020 programme, Swedish participants have received **€71 million, including for the STEPWISE project which works on CO2 capture.**