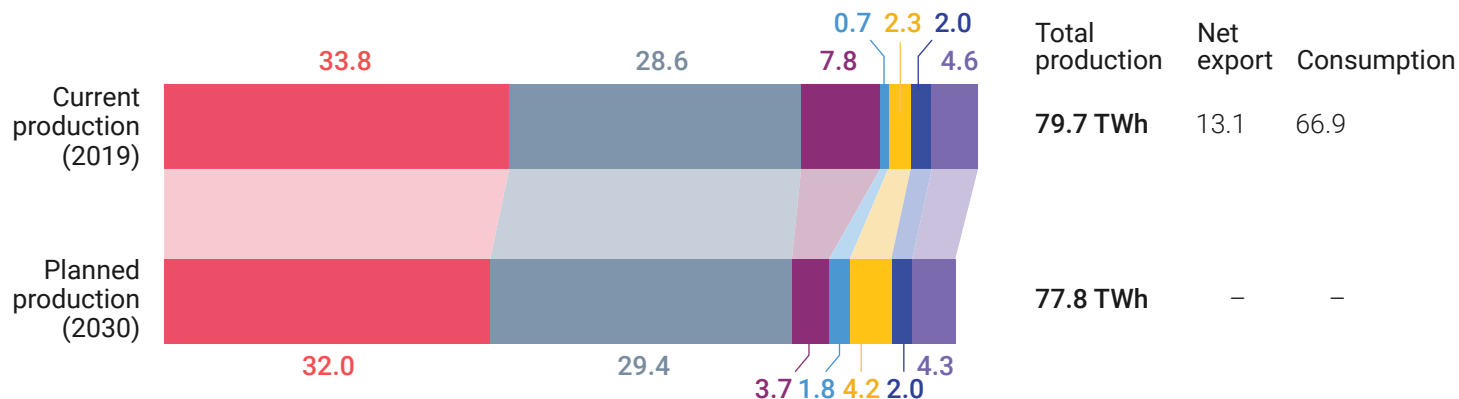


NECP: CZECH GOVERNMENT ELECTRICITY TRANSITION STUDY

A model for 2030 with focus on fulfilling emissions commitments

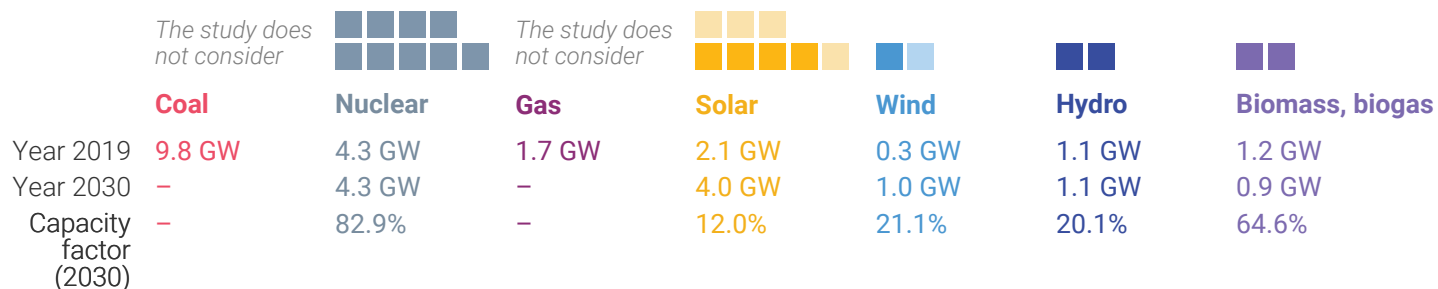
■ Coal ■ Nuclear ■ Gas ■ Wind ■ Solar ■ Hydro* ■ Biomass, biogas

ELECTRICITY PRODUCTION in terawatt-hours [TWh]



COMPARISON OF INSTALLED CAPACITY in gigawatts [GW]

■ 2019 Current 1× ■ = 500 megawatts of installed capacity
 ■ 2030 New
 × 2030 To phase out



EMISSIONS FROM ELECTRICITY PRODUCTION**



ABOUT

The European Union instructed the individual member states to create National Energy and Climate Plans (NECP) to coordinate the EU's emissions targets. The Czech NECP was prepared by the Ministry of Industry and Trade and is based on the Updated State Policy (Aktualizovaná státní energetická koncepce, ASEK), which aims to ensure the continued development of nuclear energy as one of its objectives. The NECP was then approved by the Czech Republic's government.

The NECP is based on the target of reaching a 22% share of renewable energy sources in gross final energy consumption and proposes breaking the target down into electricity generation, transportation, and heating and cooling sectors. It also summarises available information on carbon emissions reduction, energy efficiency and potential for energy-saving measures, energy security, internal energy market and research, innovation and competitiveness.

INVESTMENT

It calculates the cost to the state (i.e. public investment), which is estimated at CZK 563 bn by 2030. These are not total investments, which will exceed this amount.

MODEL

The NECP does not model electricity generation or the transmission system. It is based on the target of reaching a 22% share of renewable sources in gross energy consumption, as well as expert estimates. The estimates of installed capacity are indicative only.

* Excluding pumped hydro
 ** Climate Facts calculation