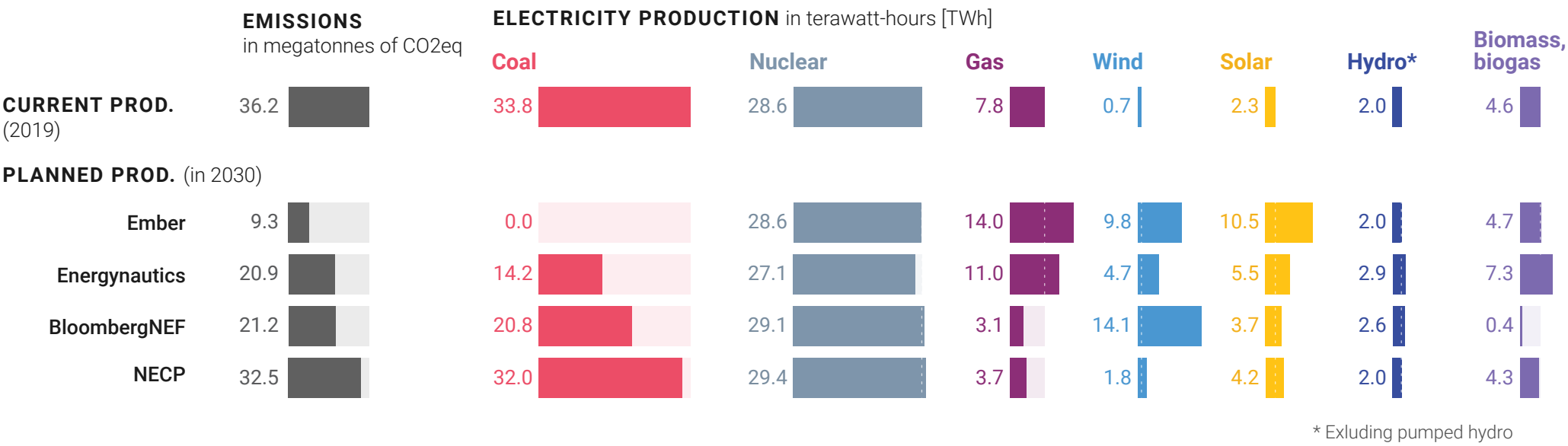
COMPARISON: CZECH ELECTRICITY TRANSITION STUDIES

Electricity production in 2030 and selected aspects of the studies



* Exluding pumped hydro

	How does it deal with **low solar and wind production in case of bad weather**?	Does it consider **battery or hydrogen storage**?	Does it model electricity market **including prices of emission allowances**?	How does it model **the transmission grid**?	Does it consider **heat production**?
Ember	gas, hydro	**BATTERY** (only in one variant)	**YES** (with market-driven investment optimisation)	only an **aggregated European** grid, in 1-hour resolution	**YES**
Energynautics	gas, hydro	**NO**	**NO**	Both **European and Czech**, in 1-hour resolution (weather by 15 min)	**NO**
BloombergNEF	coal, gas, hydro	**NO**	**YES** (with market-driven investment optimisation)	unclear	**NO**
NECP	coal, gas, hydro	**NO**	**Prices of elextricity and allowances** are stated, with no calculations presented	unclear	**YES** (including building efficiency and other parameters)

see **faktaoklimatu.cz**/srovnani-scenaru

data sources: **ERÚ, OTE, Ember, Energynautics, BloombergNEF, NECP**