Islands of positive renewable energy deviation

Analysis of Czech National Energy and Climate Plan (NECP)

Czech
Renewable Energy
Chamber

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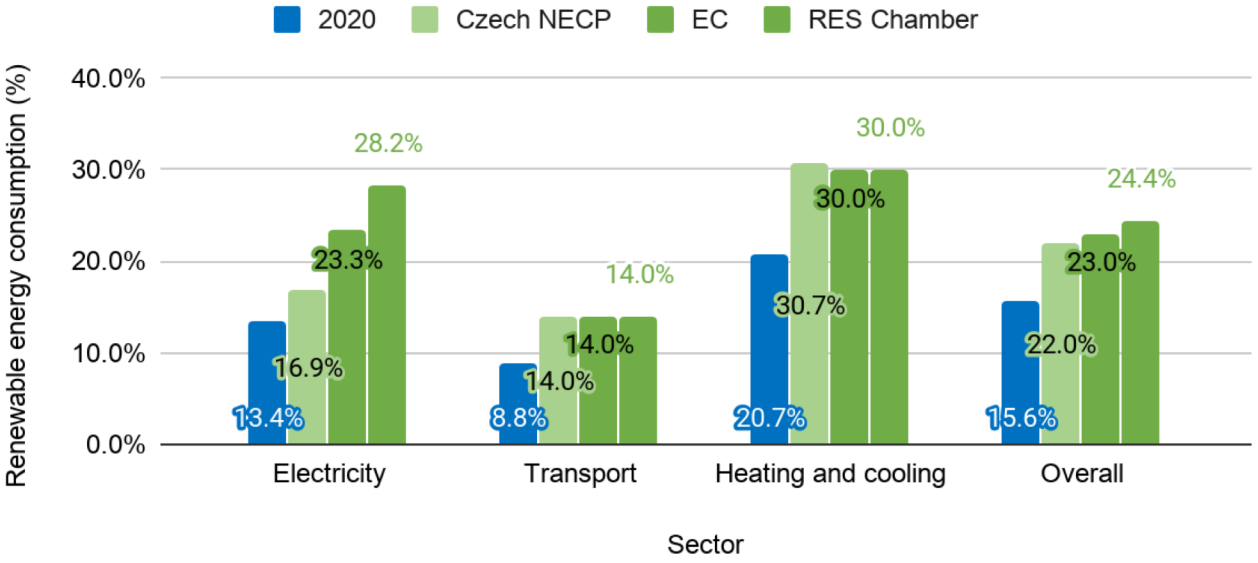
Share of renewables in 2030 according to Czech NECP, European Commission and RES Chamber

Only 16.9% share of renewables in electricity in CZ-NECP in 2030



Low ambition in renewable electricity means less renewables overall and a **failure to reach at least 23% target by 2030**.

Czech Renewable Energy Chamber

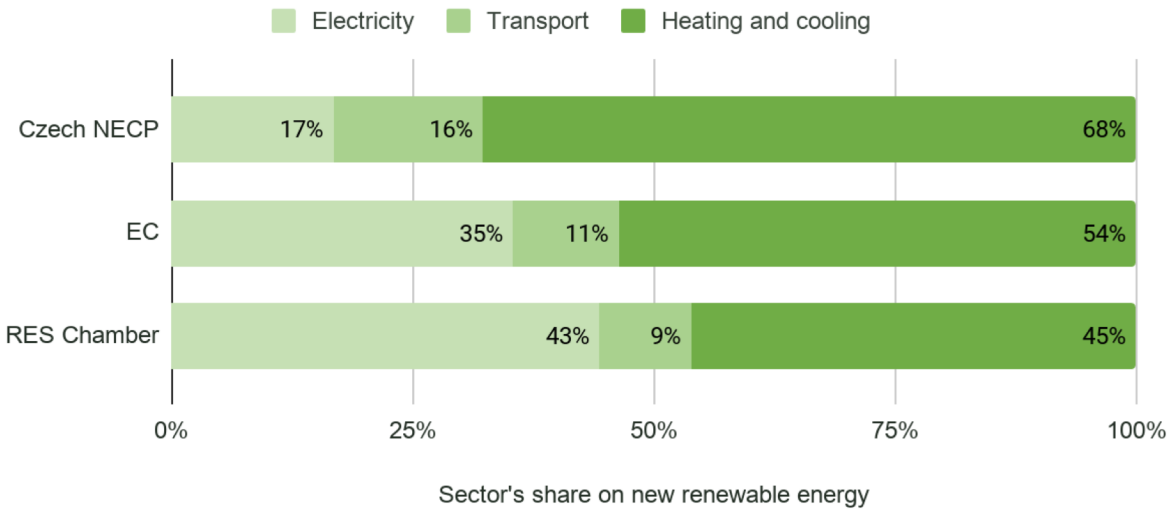
Sector	2018	2020	2030		
			NECP	EC	RES Chamber
Electricity	13.2%	**13.4%**	16.9%	23.3%	**28.2%**
Transport	6.5%	8.8%	14.0%	14.0%	14.0%
Heating and cooling	20.7%	20.7%	30.7%	30.0%	30.0%
Overall	15.2%	15.6%	**22.0%**	23.0%	**24.4%**

Relatively **minor addition of 2.4 percentage points** in the overall target means almost **double the clean electricity** in 2030

Czech Renewable Energy Chamber

Czech NECP: Distribution of renewable energy among sectors (only consumption added from 2020 until 2030)

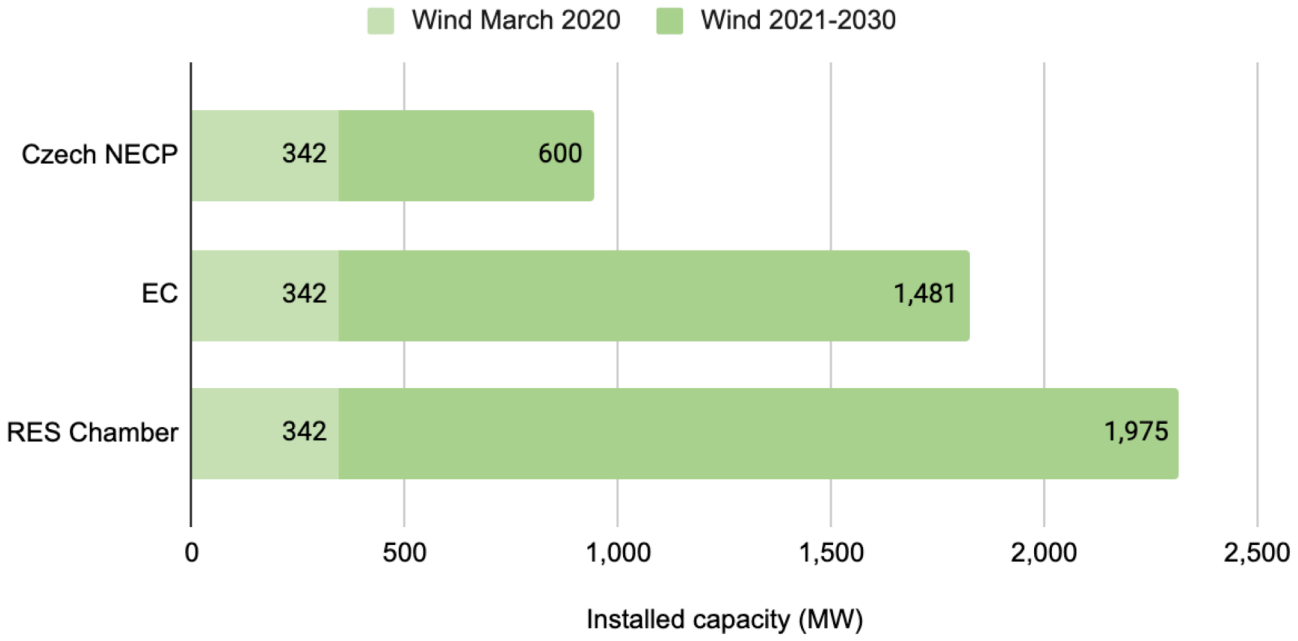
Renewable electricity with only 17% share on new renewable energy



Too much **emphasis on biomass in district heating** and seriously **underestimated PV and wind** in electricity sector

OZE Czech Renewable Energy Chamber

Wind power plants: installed capacity in 2020 and 2030 according to CZ-NECP, Commission and RES Chamber



In 2030, the RES Chamber medium scenario will bring the country to aprox. 70% of capacity installed in Austria by 2019

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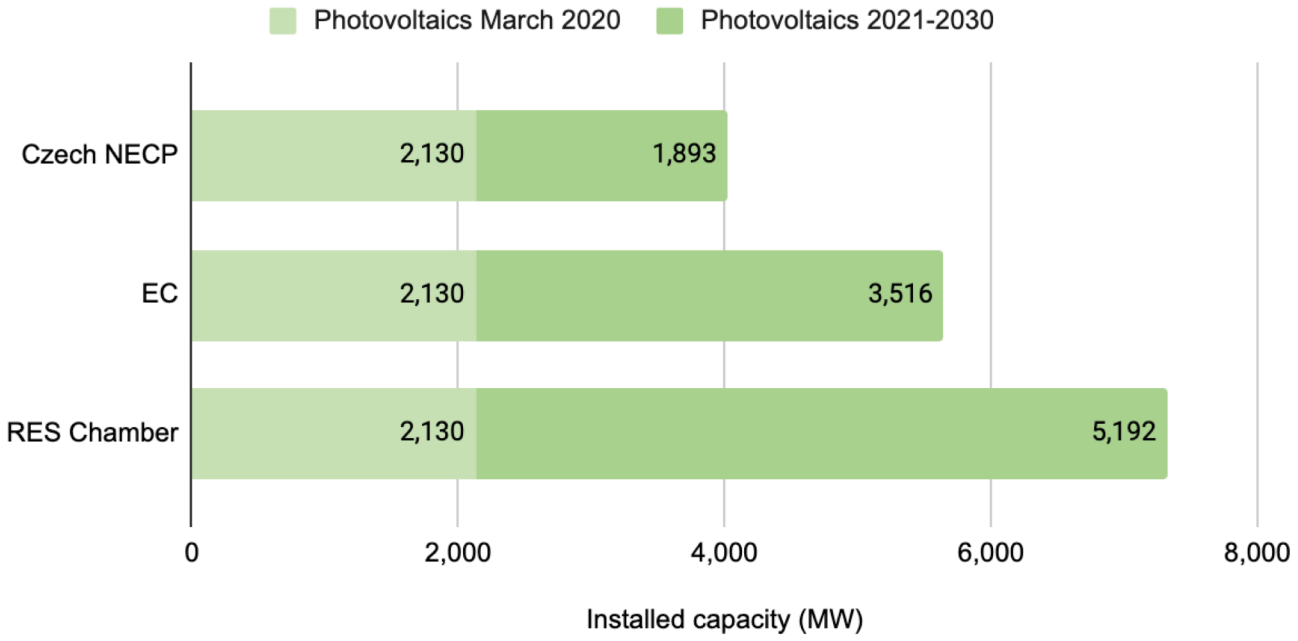
Photovoltaic power plants: installed capacity in 2020 and 2030 according to CZ-NECP, Commission and RES Chamber



Annual installations of 300-500 MW is a long-term, sustainable strategy for the CZ market

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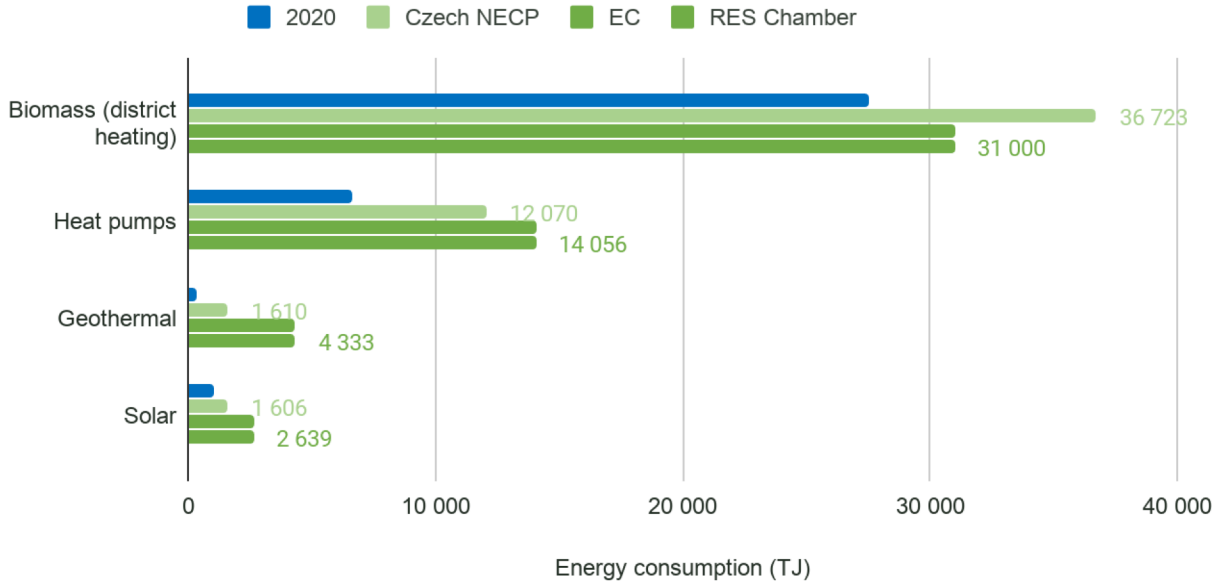
Czech NECP: Renewable heat & cooling consumption in 2030 - selected renewable technologies

Very large emphasis on biomass in district heating despite uncertain supply of biomass



NECP puts very **large emphasis on solid biomass** in district heating amid **uncertain supply of sustainable biomass** due to the bark beetle calamity in next decade.

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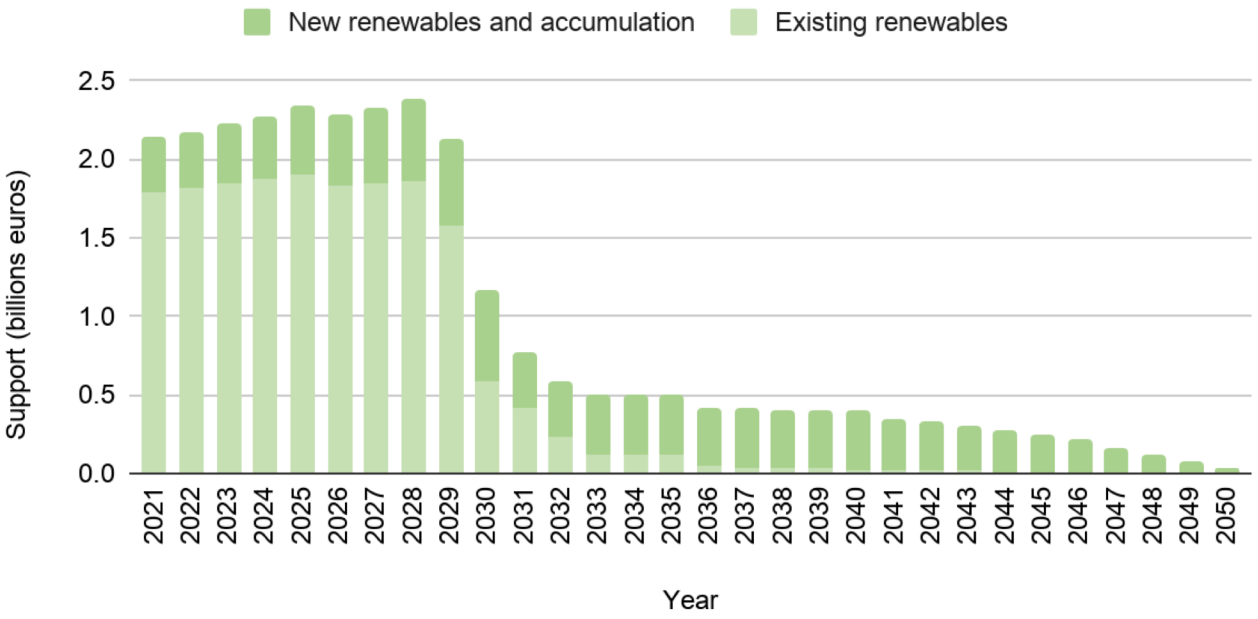
Public support for existing and new renewables

RES Chamber calculations



The impact on public finances is much lower for new installations that the support for existing utilities

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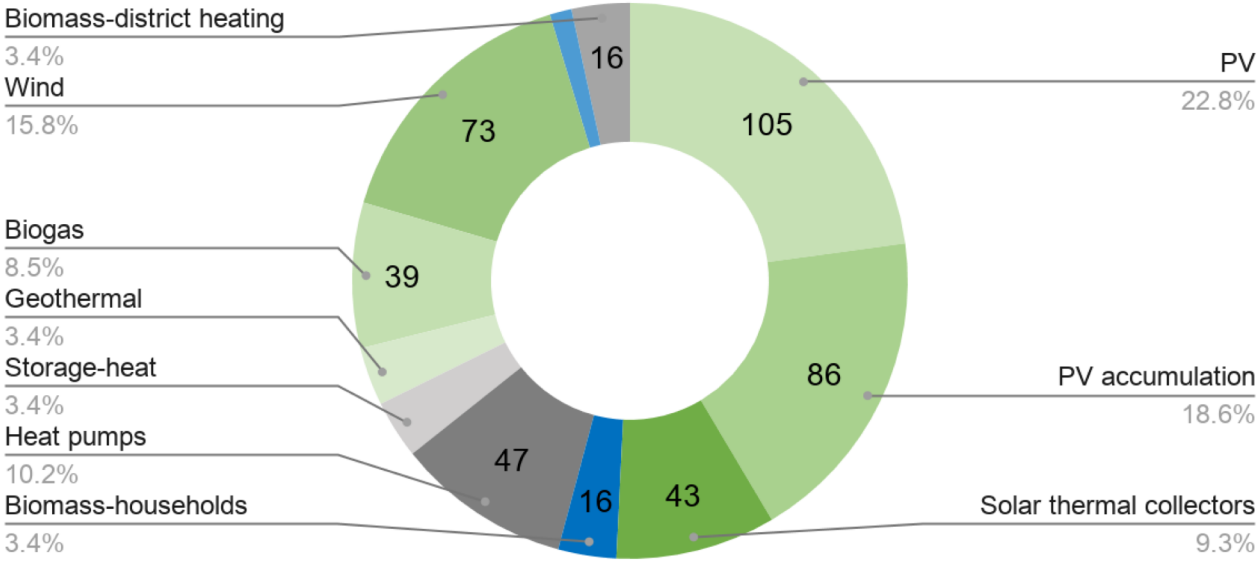
Public support for new renewables 2021-2030 (23% renewables by 2030)

Average annual support in million euro. EUR 460 mil. per year



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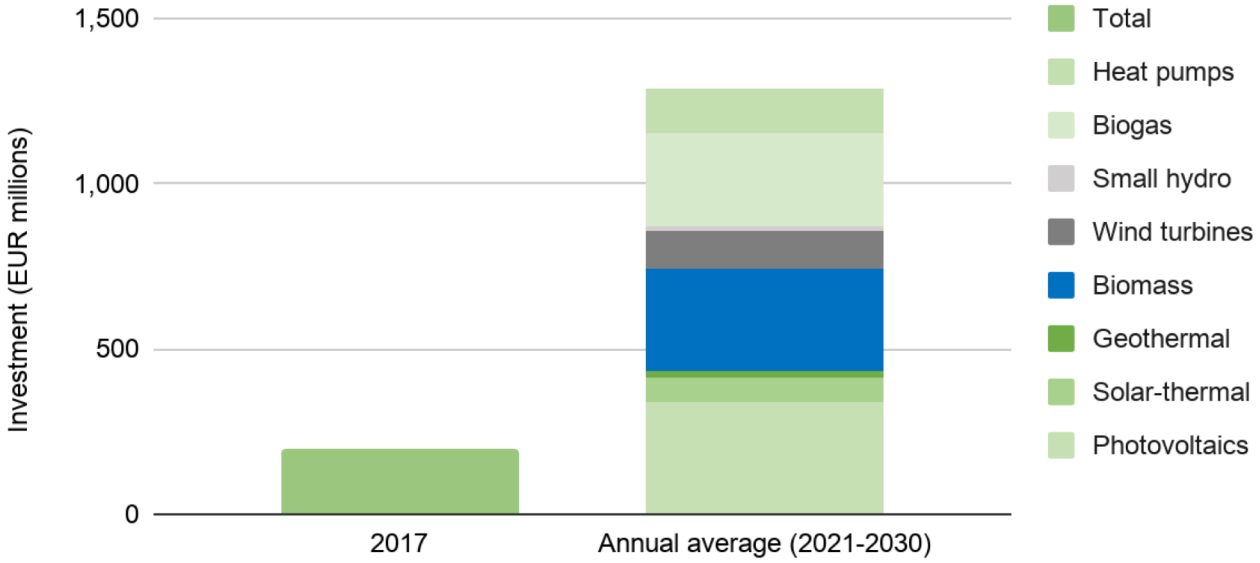
Average annual investment need in 2021-2030 compared to 2017 levels of investment in renewables

Total investment in 2017 represents 1/6 of annual needs in the next decade



Total investment in 2017 represents 1/6 of annual investment needs in the next decade

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