



#### Energiewende

Germany's energy system and the status of the energy transition

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# Ollrce: Ecofys 2018 hased on BMWi 2016 11BA 2018 AGEB 20

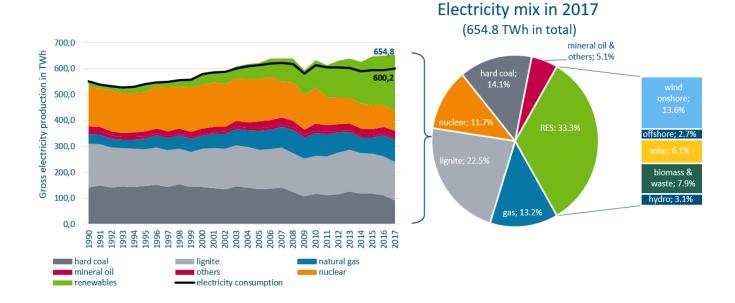
# The *Energiewende* is Germany's long-term energy and climate strategy

		Achieved 2017	2020	2025	2030	2035	2040	2045	2050
Climate	% greenhouse gas reduction (vs. 1990)	27.6% (2016)	40		55		70	8	0 to 95
Renewable Energy	% gross electricity consumption	36.2%	35	40 to 45	65				80
	% gross final energy consumption	14.8% (2016)	18		30		45		60
Energy Efficiency	Primary energy consumption (vs. 2008)	-6.0%	-20						-50
	Final energy productivity (vs. 2008)	1.1% p.a. (2016)	+2.1% p.a. (2008-2050)						
	Primary energy demand in buildings (vs. 2008)	-15.9% (2015)	_						-80
	Final energy consumption in transport (vs. 2005)	+1.3% (2015)	-10		-15 to -2	0			-40





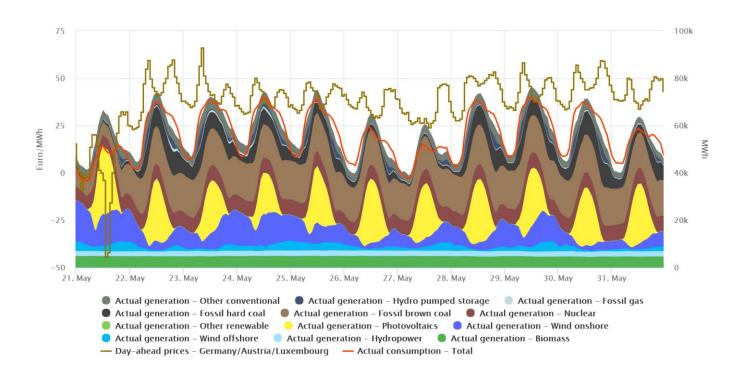
#### Renewables have become Germany's No. 1 source of electricity







#### SMARD: showing the electricity mix of Germany

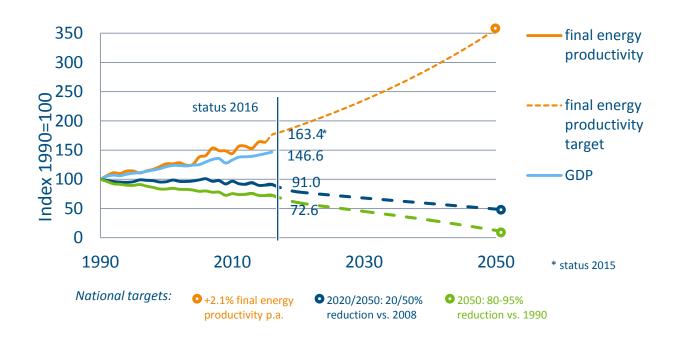






# Source: Ecofys 2017 based on UBA 2017, World Bank 2017, AG Energiebilanzen 2017

### Efficiency measures allow clean growth by decoupling economic development from energy consumption











# Thank you for your attention

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