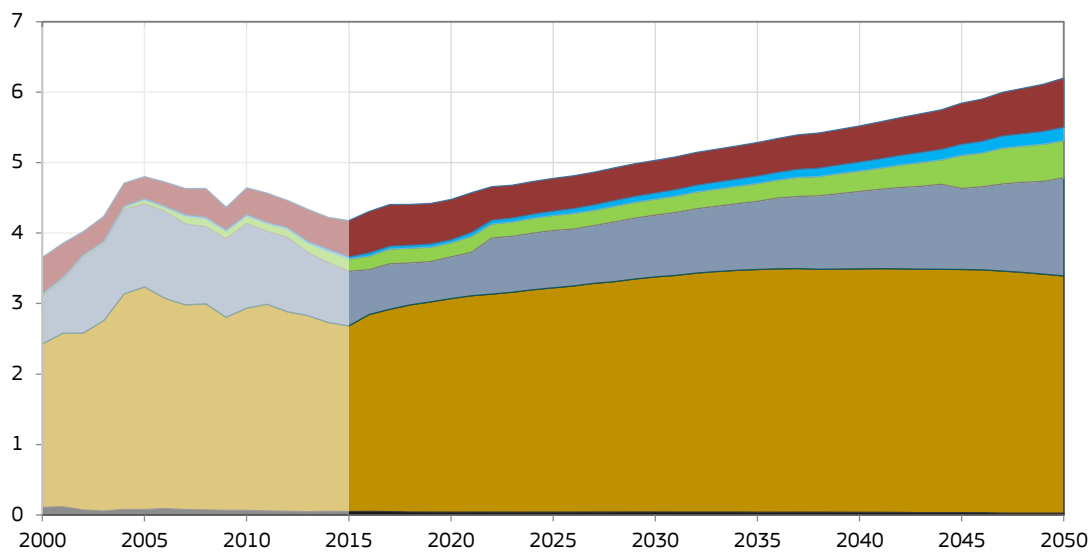

POTEnCIA - Model results overview

Luxembourg

Central_2018 scenario

Mtoe

Gross inland energy consumption



Solid fuels

Total petroleum products

Gases

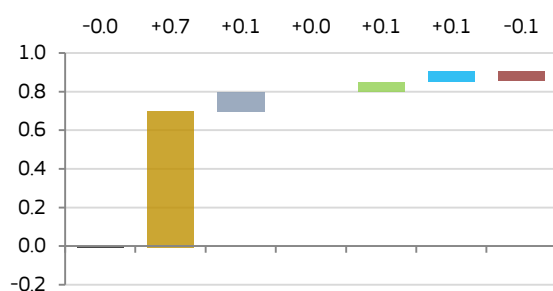
Nuclear heat

Biomass and renewable wastes

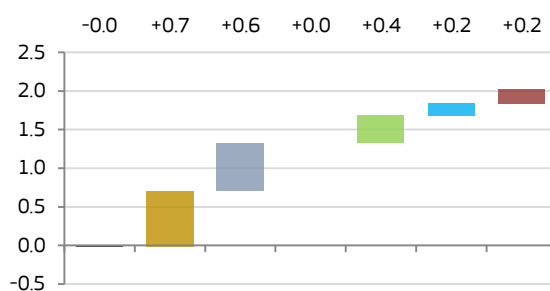
Wind, solar, hydro and geothermal

Other

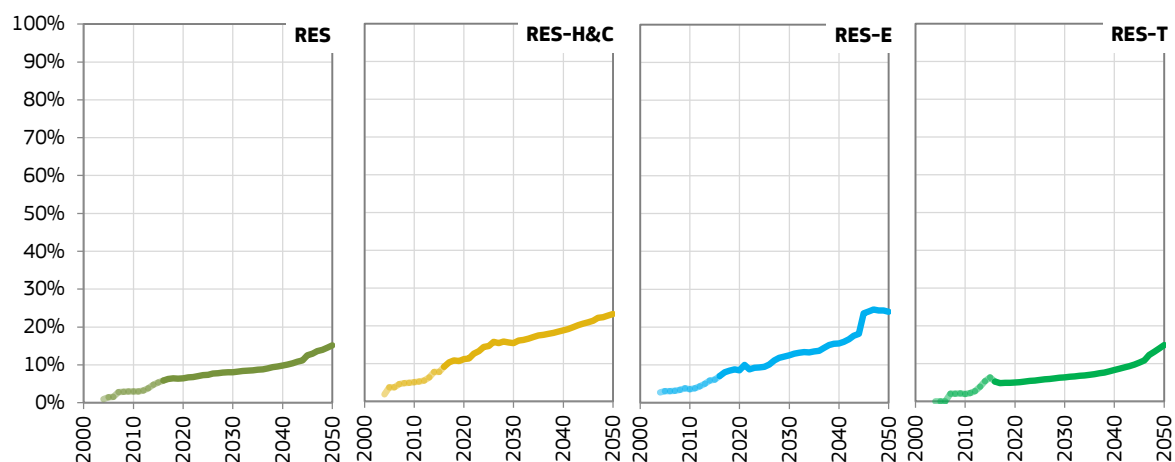
+0.9 Mtoe by 2030 from 2015 levels

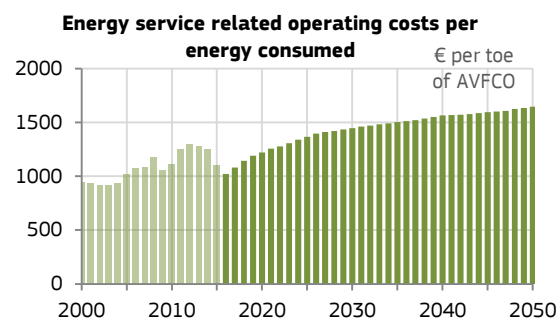
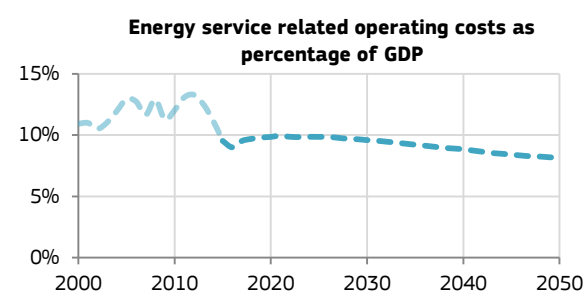
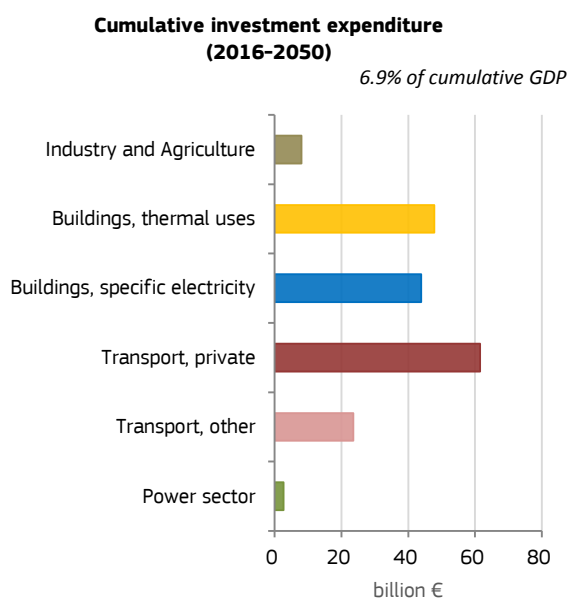
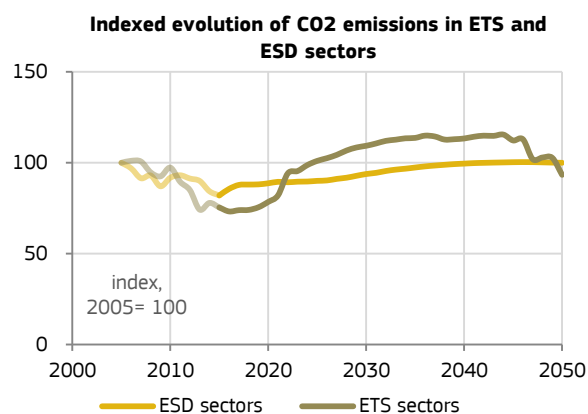
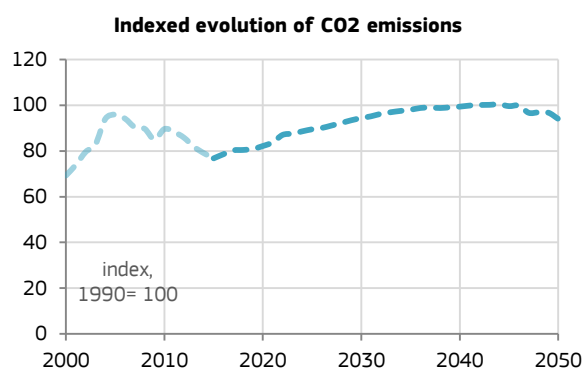
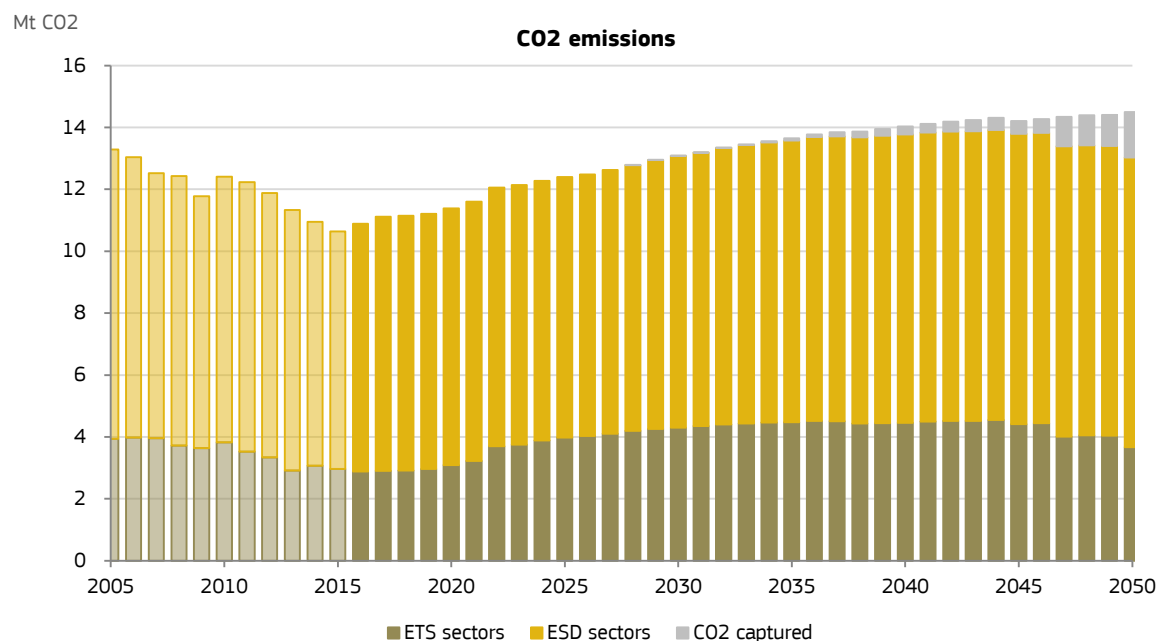


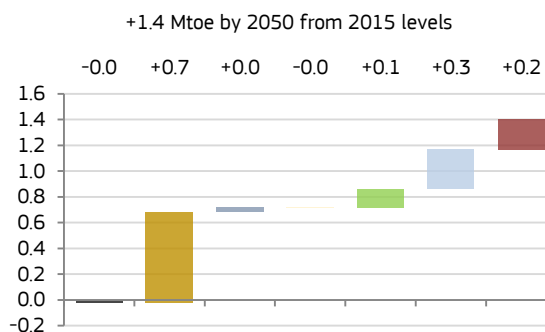
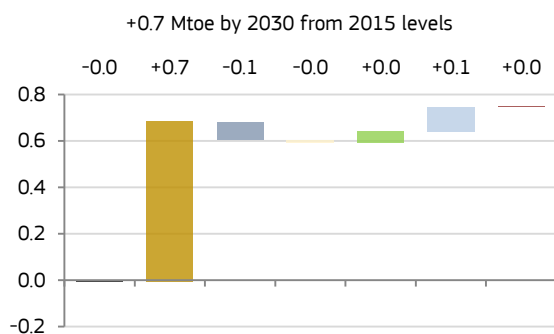
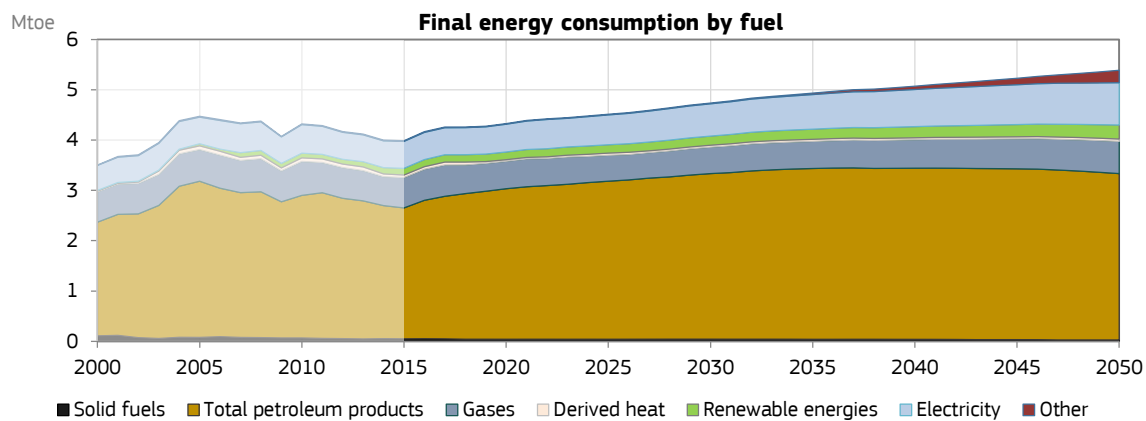
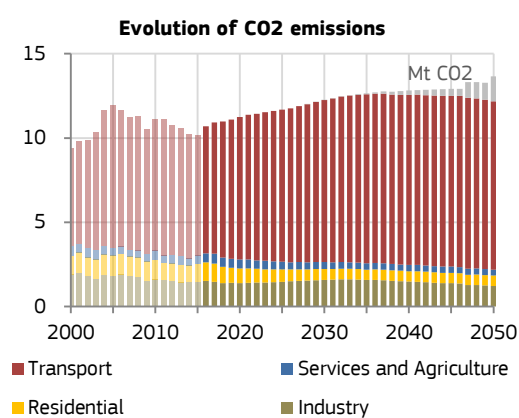
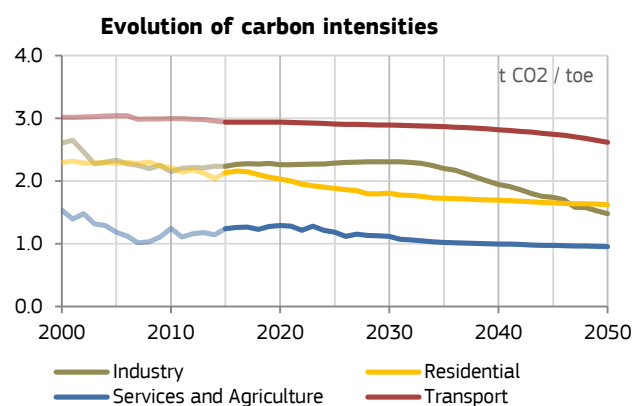
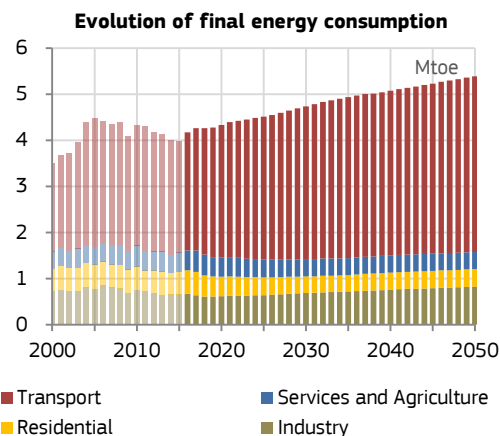
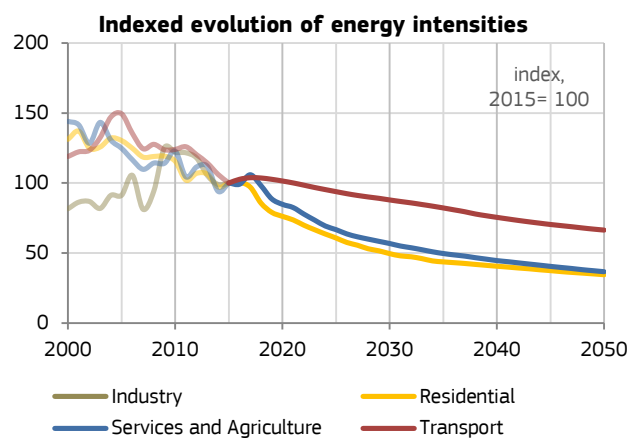
+2.0 Mtoe by 2050 from 2015 levels

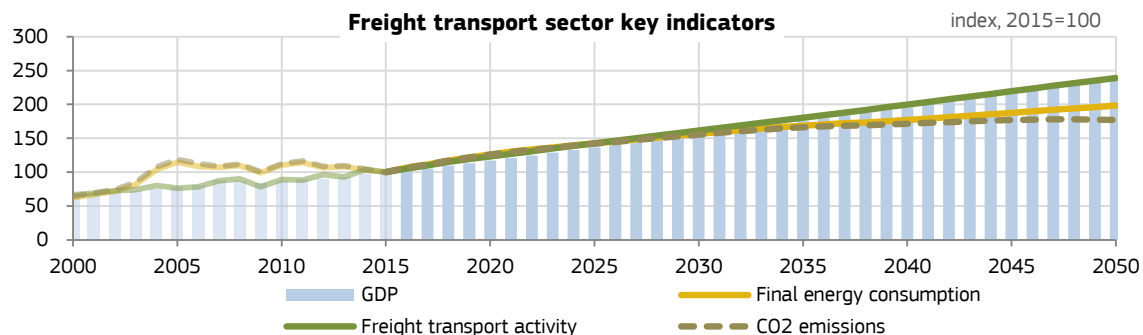
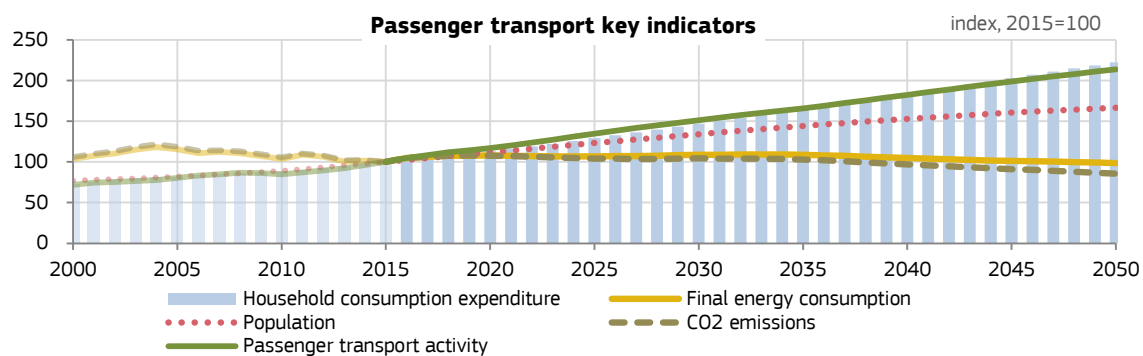
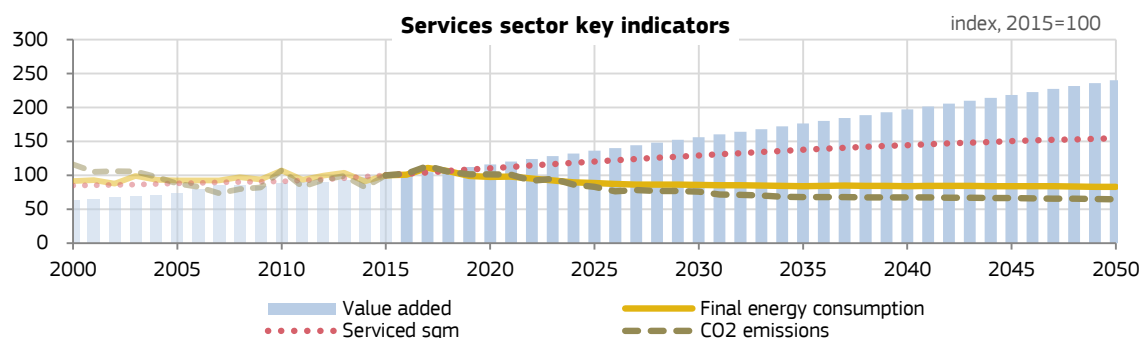
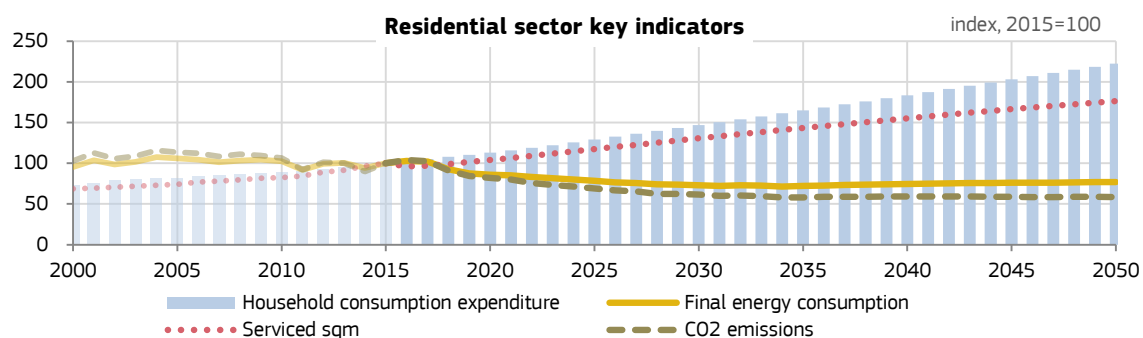
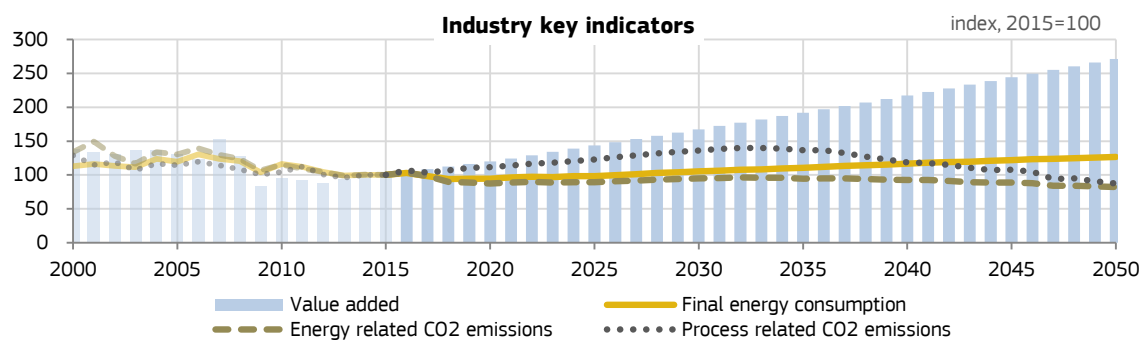


Share of renewable energies



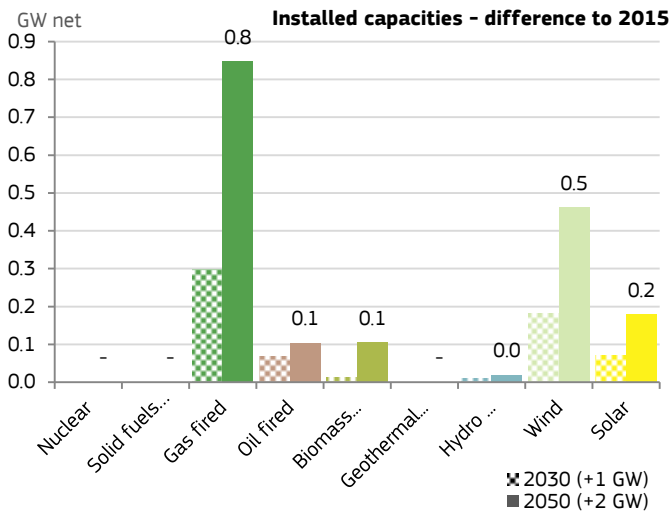
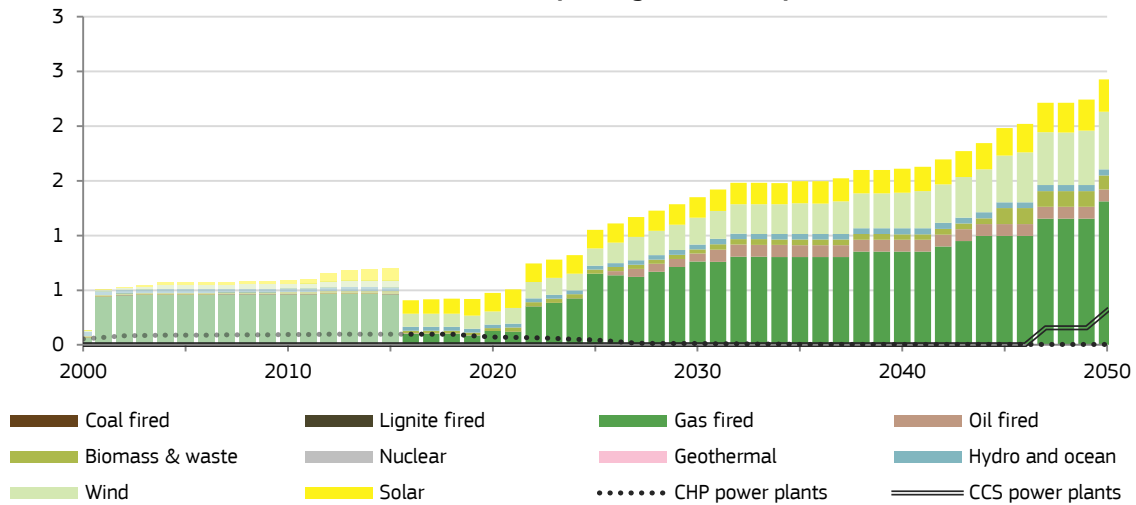




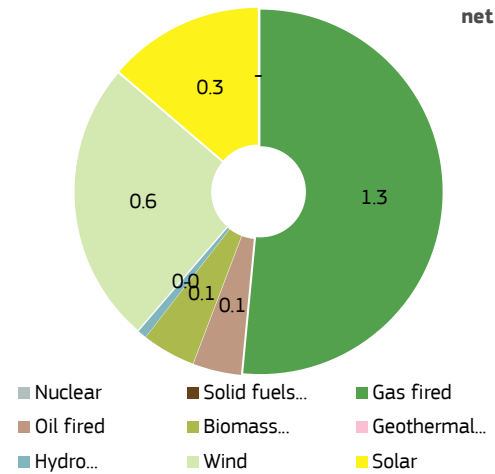


GW

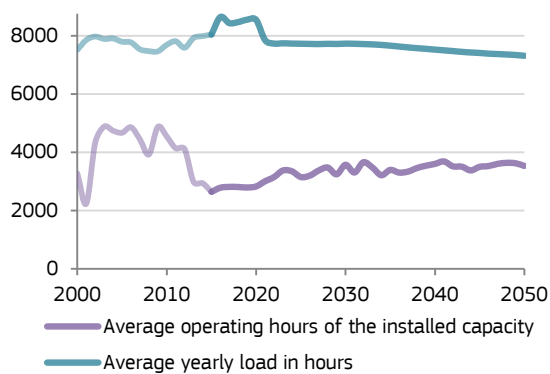
Net installed power generation capacities



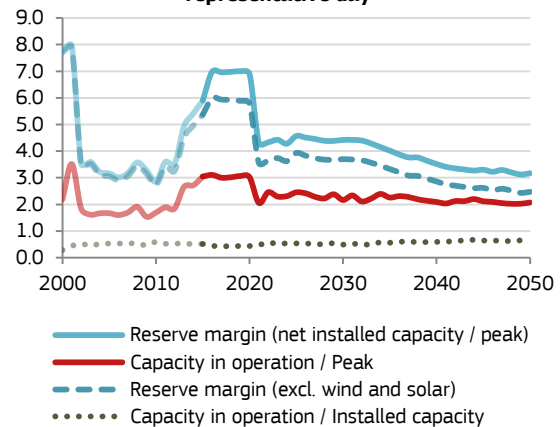
Cumulative investment 2016-2050 GW net

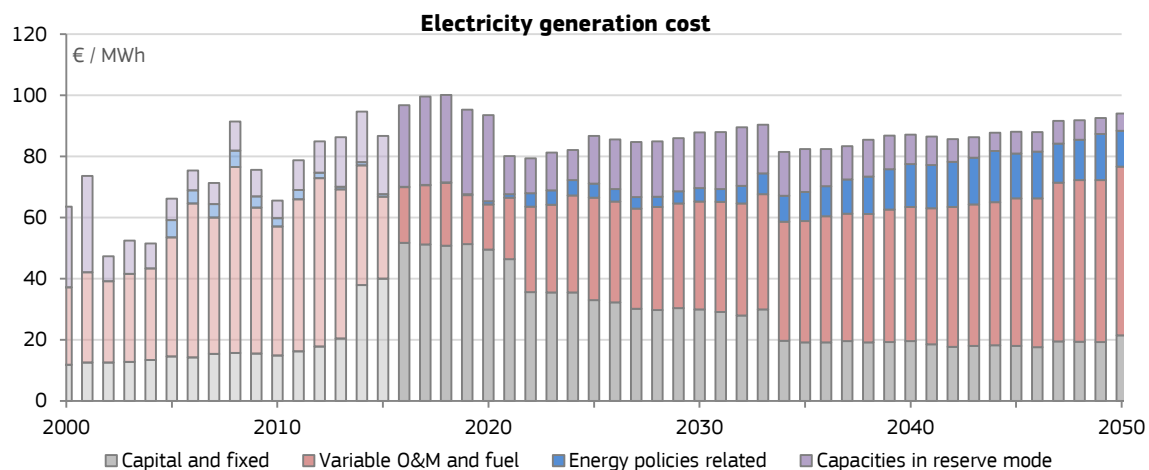
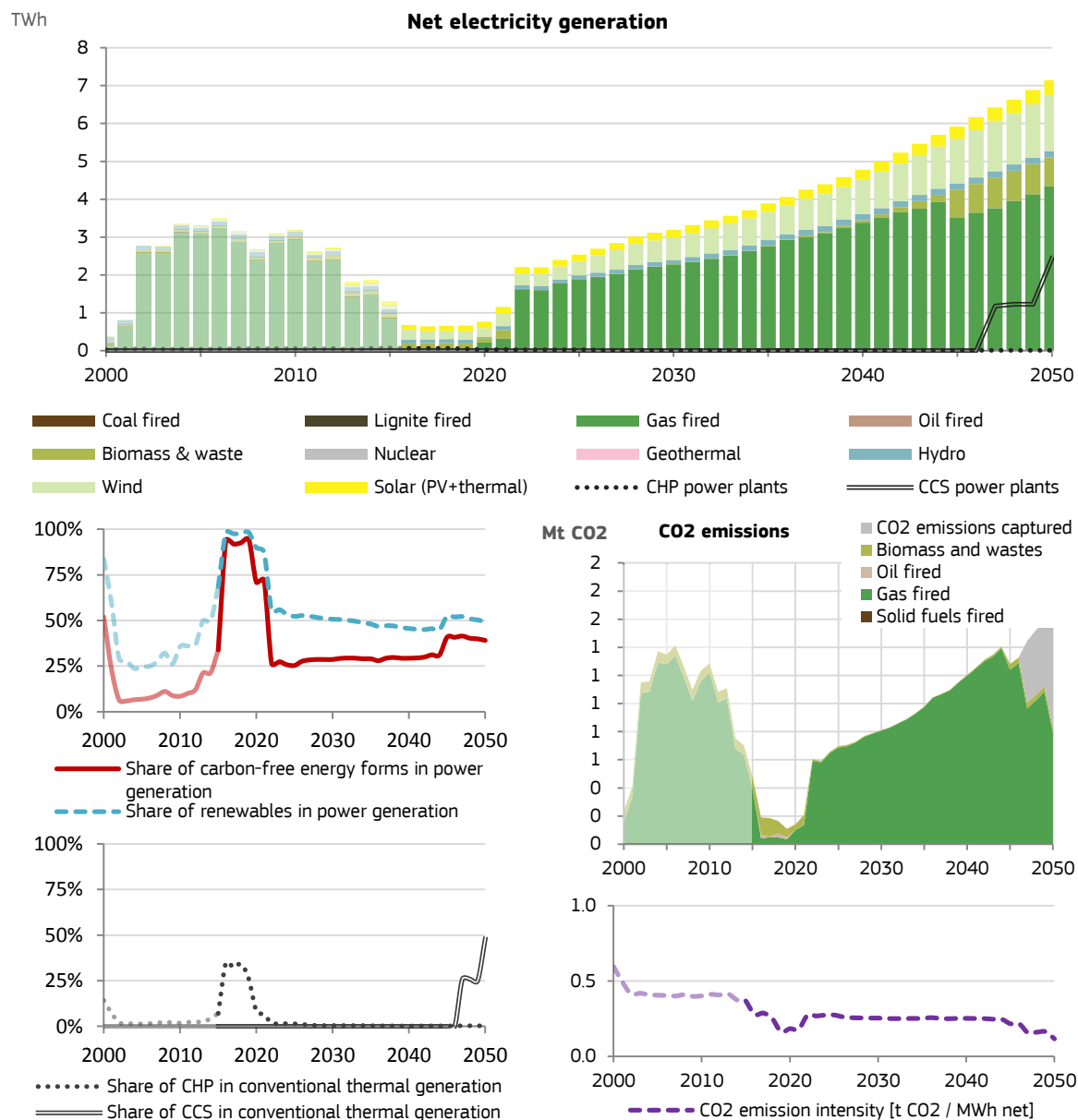


Operational characteristics



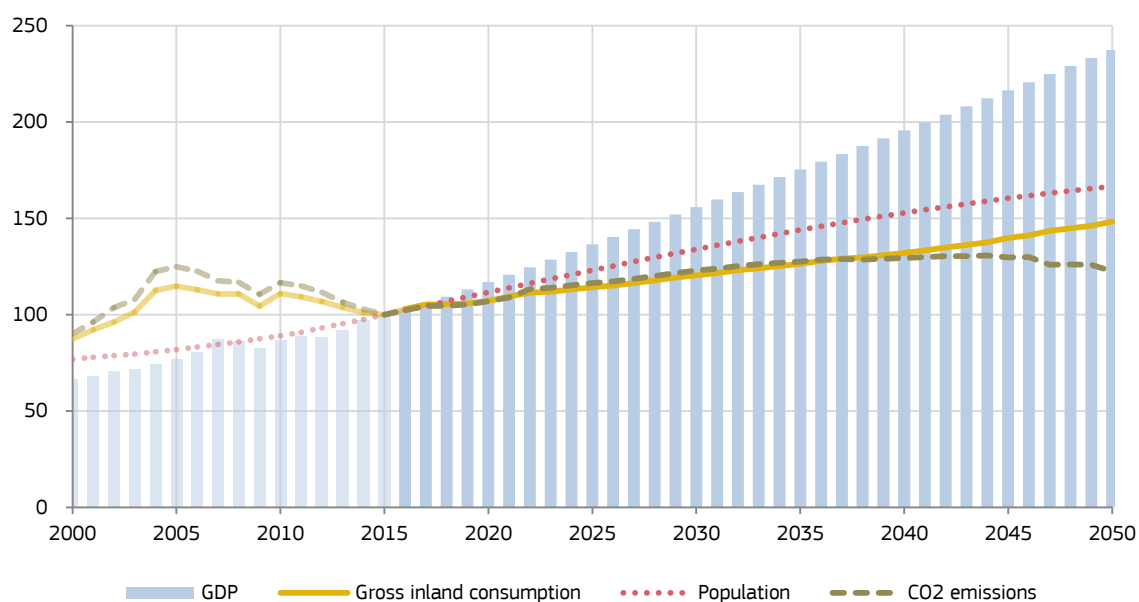
Power system indicators for the representative day





index, 2015=100

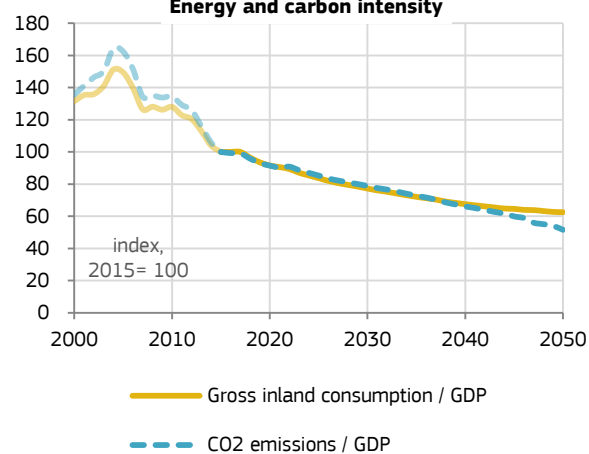
Key indicators of the LU energy system



Key figures concerning the evolution of the Central_2018 - Indicators energy system

	1990	2005	2015	2020	2030	2050
Final energy consumption [Mtoe]	3.3	4.5	4.0	4.3	4.7	5.4
Primary energy consumption [Mtoe]	3.5	4.8	4.1	4.4	5.0	6.1
RES [%] - Share of energy from renewable sources		1.4%	5.3%	6.4%	8.0%	15.1%
RES-E [%] - Share of electricity from renewable sources		3.0%	6.1%	8.5%	12.5%	24.0%
Total CO2 emissions [Mt CO2] (with intern. aviation, without LULUCF)	13.9	13.3	10.6	11.4	13.1	13.0
reduction to 1990		-4%	-23%	-18%	-6%	-6%
Emissions in current ETS sectors [(LU) [Mt CO2]		3.9	3.0	3.1	4.3	3.7
reduction to 2005			-25%	-22%	9%	-7%
Emissions in current ESD sectors [Mt CO2]		9.4	7.7	8.3	8.8	9.4
reduction to 2005			-18%	-11%	-6%	0%

Energy and carbon intensity



Per capita indicators

