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The EU 27 will exceed its target of meeting 20 % of its gross final energy consumption from renewable sources by 2020. Today the European Wind Energy Association published its analysis of the 27 National Renewable Energy Action Plans, submitted by the EU Member States to the European Commission.

“Taken together the Action Plans show that the EU-27 will meet 20.7 % of its 2020 energy consumption from renewables”, said Justin Wilkes, Policy Director of the European Wind Energy Association (EWEA).

The National Action Plans show that one third (34%) of EU electricity demand will be supplied from renewables by 2020. Wind energy will generate 14% of Europe’s total electricity demand in 2020 (494 TWh from 213 GW installed capacity), more than any other renewable source, up from 4.2% in 2009. Ireland will be the country with the highest wind energy penetration level at 36.4% of its total electricity demand, followed by Denmark at 31%.

15 Member States plan to exceed their national target, led by Bulgaria at +2.8% above their target, Spain (+2.7%), Greece (+2.2%), Hungary (+1.7) and Germany (+1.6%). 10 Member States will meet their national target, and just two Member States, Luxembourg (-2.1%) and Italy (-0.9%), have informed the European Commission that they envisage using the cooperation mechanisms to meet their national targets.

“It is very encouraging that 25 of the 27 EU countries intend to either exceed or meet their target” said Wilkes. “This shows the vast majority of EU countries clearly understand the benefits of deploying renewable energy technologies, particularly wind power.”

The 34% of EU electricity demand met by renewables in 2020 is made up of 14% from wind energy (10% onshore, 4% offshore), 10.5% from hydro, 6.6% from biomass, 2.4% from solar photovoltaic, 0.5% from CSP, 0.3% from geothermal and 0.1% from ocean.

Renewable energy share in percentage per Member State:

Country	National binding target established by EU Directive 28/2009/EC	NREAP target	above / below Target
Austria	34%	34.2%	+ 0.2 %
Belgium	13%	13%	0%
Bulgaria	16%	18,8%	+ 2.8%
Cyprus	13%	13%	0%
Czech Republic	13%	13.5%	+ 0.5%
Denmark	30%	30.4%	+ 0.4%
Estonia	25%	25%	0%
Finland	38%	38%	0%
France	23%	23%	0%

Germany	18%	19.6%	+ 1.6%
Greece	18%	20.2%	+ 2.2%
Hungary	13%	14.7%	+ 1.7%
Ireland	16%	16%	0%
Italy	17%	16.1%	- 0.9%
Latvia	40%	40%	0%
Lithuania	23%	24%	+ 1%
Luxembourg	11%	8.9%	- 2.1%
Malta	10%	10.2%	+ 0.2%
Netherlands	14%	14.5%	+ 0.5%
Poland	15%	15.5%	+ 0.5%
Portugal	31%	31%	0%
Romania	24%	24%	0%
Slovakia	14%	15.3%	+ 1.3%
Slovenia	25%	25.3%	+ 0.3%
Spain	20%	22.7%	+ 2.7%
Sweden	49%	50.2%	+ 1.2%
United Kingdom	15%	15%	0%

Source: EWEA analysis of the 27 NREAPs

Electricity production in 2020, sorted by quantity of Renewable Energy:

Country	2020 Gross consumption of electricity (in Terrawatt hours, TWh)	2020 Electricity production from Renewable Energy (TWh)	2020 Electricity production from wind energy (TWh)
Germany	561.8	216.9	104.4
Spain	375.2	150.0	78.2
France	545.5	148.0	57.9
UK	376.7	117.0	78.3
Italy	374.7	98.9	20
Sweden	154.6	97.2	12.5
Austria	74.2	52.4	4.8
Netherlands	135.8	50.3	32.4
Portugal	64.5	35.6	14.6

Finland	101.6	33.4	6.1
Poland	169.8	32.4	15.2
Romania	73.7	31.4	8.4
Greece	68.5	27.3	16.8
Belgium	110.8	23.1	10.5
Denmark	37.8	19.6	11.7
Ireland	32.7	13.9	11.9
Czech Rep	84.1	12.1	1.5
Slovakia	33.3	8.0	0.6
Bulgaria	36.6	7.5	2.3
Slovenia	15.6	6.1	0.2
Hungary	51.4	5.6	1.6
Latvia	8.7	5.2	0.9
Lithuania	13.9	3.0	1.3
Estonia	10.9	1.9	1.5
Cyprus	7.4	1.2	0.5
Luxembourg	6.6	0.8	0.2
Malta	3.1	0.4	0.2
EU 27	3529.4	1199.0	494.7

Source: EWEA analysis of the 27 NREAPs