

Annex UK - Climate targets

June 2025

1 United Kingdom

The UK has exited the EU and therefore there is no NECP, however they have a plan covering their 2030 goals called "Clean Power 2030 action plan"[1]. In this plan they put forward their objectives for how much capacity they plan to achieve by 2030. It also includes the plan of NESO which is an independent entity which is responsible for the electricity networks. These different targets are all added into the document. It was in general difficult to find data on the project demand or on targets such as heat-pumps or EVs.

1.1 Targets

The targets are found at the beginning of the document and are given as ranges - I've taken the mean of these targets into the excel file [1, 10].

Type	2030 target
Wind	70-79 GW
Wind on shore	27-29 GW
Wind off shore	43-50 GW
Solar	25-27 GW
Battery capacity	23-27 GW
Long-duration storage	4-6 GW

1.2 NESO

While NESO is an independent government entity and their involvement in the target is through their modeling it has been accepted in the clean power act and their model is therefore added in the document under the scenario "NESO" [1, 32]. The DESNZ is the range that they have used to get a range over the different scenarios and is added for completeness [1, 31]. Everything is in GW.

Technology	Current cap	NESO further flex	NESO New dispatch	DESNZ
Offshore wind	14.8	51	43	43-50
Onshore wind	14.2	27	27	27-29
Solar	16.6	47	47	45-47
Nuclear	5.9	4	4	3-4
LDES	2.9	8	5	4-6
Batteries	4.5	27	23	23-27

1.3 Demand

1.3.1 EVs

n/a

1.3.2 Heatpumps

n/a

1.3.3 Hydrogen

only that they have targets nothing concrete

References

- [1] Clean Power 2030 Action Plan: A new era of clean electricity – main report.