Annex Italy - Climate Targets

Summer 2025

1 Italy

The Italian NECP is a little less organized and worse translated than other comparable countries. Therefore, I have added supplementary sources to give more data to the dataset. It mainly discusses the integration with other European countries with respects to energy and electricity.

1.1 Supply

1.1.1 Percent targets

source [3, 92]

Table 1: ERF overall objective at 2030 (ktoe)

	2021	2022	2025	2030
Numerator – Gross final energy consumption from RES				
Gross electricity production from RES	10,207	10,370	13,624	19,585
Final RES consumption for heating and cooling	11,061	10,626	12,490	17,634
Final consumption of RES in transport	1,552	1,573	2,990	5,955
Total	22,819	22,568	29,104	43,174
Denominator – Total gross final energy consumption				
Total	120,340	117,448	114,917	109,563
Total RES share (%)	19.0%	19.2%	25.3%	39.4%

1.1.2 Capacity targets

Most of the capacity targets for 2030 are found in this table. However, in the original version it is written as its own row "-of which at a" which I have discarded because it is a very low number and I do not know what it is supposed to be. There are also targets for TWh which are broken down by sector which I have added into the dataset [3, 102]

Table 2: Renewable power growth targets at 2030 (MW)

	2021	2022	2025	2030
Water	19,172	19,265	19,410	19,410
Wind	11,290	11,858	15,823	28,140
of which off shore	0	0	0	2,100
Solar	22,594	25,064	44,173	79,253
"of which at a"	0	0	0	80

[3, 102]

1.1.3 Climate targets

Italy has a target of becoming climate neutral by 2050 [2].

1.2 Demand

The general estimates for demand are easy to find and easy to plug into the dataset and they are projections based on a reference scenario [3, 382].

1.2.1 EV targets

The EV targets are found on this page [1].

1.2.2 Hydrogen

There are numbers on hydrogen but they are split into transportation and heating & cooling which makes it more difficult to add to the dataset. However, I have added them separately with

2 Problems

There are a couple of problems with the NECP with most obvious being this picture. However, I believe that the general numbers that are found in the data set are correct and can be trusted.
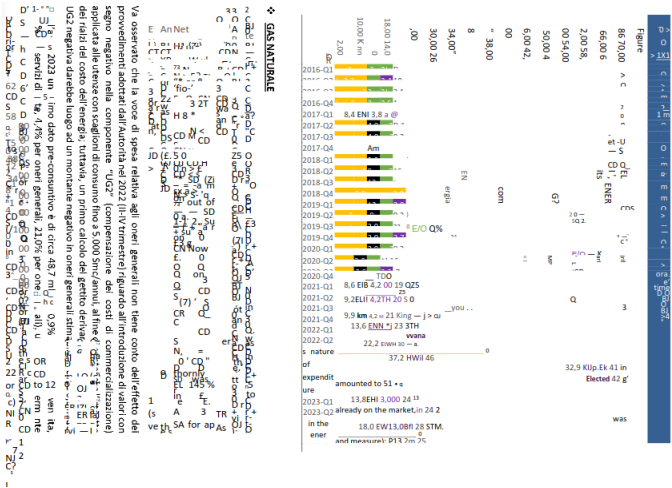

Figure 1: Caption

[3, 437]

References

[1] EV. Italy – EV TCP.

[2] JENSEN Liselotte. Italy's climate action strategy.

[3] NECP. Italy - Final updated NECP 2021-2030 (submitted in 2024) - European Commission.