

Memo on new estimate of non-ETS deficit for the period 2021 to 2030

Office/Departement

Centre for Systems Analysis, Energy Efficiency and Global Cooperation

Date

22. May 2017

J nr. 2016 - 9293

/

Denmark's Energy and Climate Outlook 2017, which was published in March this year, compared projected non-ETS emissions with expected reduction requirements for the period 2021 to 2030 (page 40 of the main report and pages 226-227 of the background report). It was stressed that the actual reduction requirements may differ from the expected requirement and that the actual reduction requirements will not be available until negotiations have been concluded in the EU.

After the publication of the Outlook report, the method by which the expected reduction requirements were calculated has been subject to a reassessment, based on a proposal from the European Commission. The new interpretation means that the accumulated deficit for the period 2021 to 2030 increases by around 4 million CO2-eq.

Thus, the expected reduction need will be between 21 and 38 million tonnes CO2-eq. (central scenario of around 28 million tonnes) over the entire period 2021 to 2030. However, this result is still subject to a general uncertainty with regard to the final size of the reduction requirements and to trends in observed emissions.

This new interpretation only influences the start point of the reduction trajectory, and the correction therefore has no bearing on the expected deficit in 2030, which will still be between 5 and 8 million tonnes. The reduction trajectory compared with expected non-ETS emissions (including sensitivities) is shown in figure 1.

Danish Energy Agency

Amaliegade 44 DK-1256 Copenhagen K

P: +45 3392 6700 E: ens@ens.dk

www.ens.dk



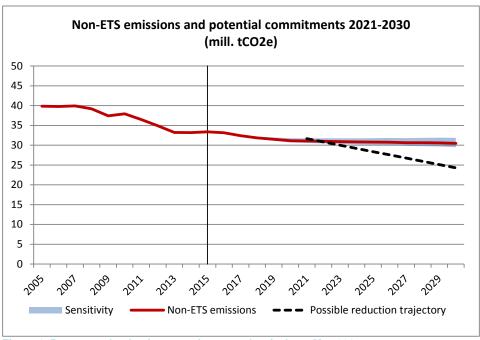


Figure 1: Reassessed reduction commitment and emissions, May 2017

The updated figures for the entire period are shown in table 1.

Table 1: Updated deficit figures for non-ETS 2021-2030, May 2017

												Total incl.
Mill. tCO2e	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total	sensitivity
Emissions	31.1	31.0	30.9	30.8	30.8	30.8	30.7	30.6	30.6	30.5		
Reduction												
trajectory	31.7	30.8	30.0	29.2	28.4	27.6	26.8	25.9	25.1	24.3		
Deficit	-0.6	0.2	0.9	1.6	2.4	3.2	3.9	4.7	5.5	6.2	28	21 to 38