

Translation of letter:

From: Danish Energy Agency

Date: 29 April 2013

File no: 2532/1650-0002

Ref.: PB/

Building and Energy Efficiency

NOTE

Report to the Commission concerning indicative energy efficiency targets etc. under the Energy Efficiency Directive (2012/27/EU)

Denmark's indicative target under Article 3 is an absolute primary energy consumption (gross energy consumption excluding consumption for non-energy purposes) of **744.4 PJ (17.781 Mtoe)** in 2020. This means a reduction in primary energy consumption of 12.6 per cent compared to 2006.

The corresponding indicative target for final energy consumption (excluding consumption for non-energy purposes) is **619.5 PJ (14.797 Mtoe)** in 2020. This means a reduction of 7.2 per cent compared to 2006.

The indicative targets have been produced as the result of the Energy Agency's baseline projection of energy consumption. This baseline projection takes account of all the instruments and measures included in the energy policy agreement of 22 March 2012.

In addition, the Energy Agency's baseline projections are consistently based on a number of general economic conditions (production of enterprises, private consumption, fuel prices, etc.), a number of assumptions concerning the specific types of technology involved (the cost of different installations and their efficiency, etc.), and assumptions concerning how energy market operators will act under market conditions. They may also include some qualitative estimates, for example concerning envisaged circumstances.

The baseline projection, including the models, assumptions and results used, is described further in the following:

Danmarks Energifremskrivning 2012 [Denmark's Energy Baseline Projection 2012]:

http://www.ens.dk/Documents/Netboghandel%20-%20publikationer/2012/Danmarks_energifremskrivning_2012.pdf

Background note A: Models and principles used for projection:

<http://www.ens.dk/da-DK/Info/TalOgKort/Fremskrivninger/Fremskrivninger/Documents/BF2012/A%20-%20Modeller%20og%20fremskrivningsprincip.pdf>

The data reported under Annex XIV are shown in Table 1 below.

Table 1:

a) an estimate of the following indicators in the year before last (year X-2): 2011		
i. primary energy consumption (gross energy consumption)	Adjusted, PJ	807
ii. total final energy consumption (including for non-energy purposes)	Adjusted, PJ	640
iii. final energy consumption by sector:		
industry (manufacturing)	Adjusted, PJ	94
transport (broken down by passenger and freight transport, if available)	Adjusted, PJ	211
households	Adjusted, PJ	196
services (trade and service industries)	Adjusted, PJ	84
iv. gross value added by sector:	Fixed 2005 prices.	
industry (manufacturing, excluding refineries)	DKK billion	169
services (trade and service industries)	DKK billion	1 030
v. disposable income of households (gross income)	DKK billion, 2005 prices	770
vi. gross domestic product	DKK billion, 2005 prices	1 548
vii. electricity generation from thermal power generation	PJ	91
viii. electricity generation from combined heat and power	PJ	58
ix. heat generation from thermal power generation	PJ	132
x. heat generation from combined heat and power plants, including industrial waste heat	PJ	101
xi. fuel input for thermal power generation	PJ	264
xii. passenger kilometres (pkm), if available	million passenger-kilometres	71 346
xiii. tonne kilometres (tkm), if available	million tonne	16 120

	kilometres	
xiv. combined transport kilometres (pkm + tkm), in case (xii) and (xiii) are not available		
xv. population (Jan 2011)		5 580 516