DANISH ENERGY AGENCY

MEMORANDUM

4 October 2011

Case No 2104/1663-0009

Ref.: hla

Report on the increase in electricity produced from renewable energy sources

Under Article 3 of Directive 2001/77/EC of 27 September 2001 Member States are required to publish, for the first time not later than 27 October 2003 and thereafter every two years, a report which includes an analysis of success in meeting the national indicative targets for the promotion of electricity produced from renewable energy sources. The analysis must take account, in particular, of climatic factors likely to affect the achievement of those targets.

Production of electricity from renewable energy sources, 2002-2010

The actual production of energy from renewable sources in Denmark since 2002 is shown in the table below as a proportion of gross electricity consumption.

Unit: GWh	2002	2004	2006	2008	2010
Solar energy	1	2	2	3	6
Wind power	4877	6583	6108	6928	7809
Hydropower	32	27	23	26	21
Biomass	1692	2684	2854	2920	4299
Biogas	239	281	285	292	333
Total from renewable sources	6842	9577	9273	10169	12468
Gross electricity consumption	37212	37568	38666	38070	37646
% from renewable sources	18.4	25.5	24.0	26.7	33.1

Source: Energy Statistics 2010 produced by the Danish Energy Agency

At 20.7 %, wind power accounted for the largest individual share in 2010, representing approximately two thirds of total electricity production from renewable energy sources. The 2010 wind energy content was low: 84 % of that of a normal year. When a correction is made for this, wind generation accounts for 24.7 % of gross energy consumption and the total corrected share from renewable sources is 37.1 %.

Achievement of indicative targets up to 2010

In 2010 the actual share from renewable sources as a proportion of gross electricity consumption was 33.1 % while the wind-corrected share was 37.1 %, exceeding Denmark's indicative national target for the proportion of electricity produced from renewable sources of 29 % in 2010.