

TABLE OF CONTENTS

1	ORGANISATION OF THE REVIEW	7
2	SUMMARY OF CONCLUSIONS AND RECOMMENDATIONS	9
3	GENERAL ENERGY POLICY	19
4	ENERGY AND CLIMATE CHANGE.....	47
5	ENERGY EFFICIENCY	59
6	RENEWABLE ENERGY	89
7	ELECTRICITY	129
8	FOSSIL FUELS	145
9	ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION ..	163
A	ANNEX: ENERGY BALANCES AND KEY STATISTICAL DATA	169
B	ANNEX: INTERNATIONAL ENERGY AGENCY SHARED GOALS ...	173
C	ANNEX: GLOSSARY AND LIST OF ABBREVIATIONS	175

Tables and Figures

TABLES

1. Existing and Proposed Thermal Generation Ownership.....	32
2. Top 20 Energy and Technology Export Categories and Amounts, 2004	34
3. Forecast Assumptions for Prices in 2025	38
4. Final Energy Demand in 2025	38
5. Upstream Oil and Gas Taxation	39
6. Energy, CO ₂ and SO ₂ Taxes on Various Energy Products.....	41
7. Historical and Projected GHG Emissions.....	49
8. Domestic Initiatives for Emissions Reduction, 2008-2012.....	51
9. Key Figures for the Danish NAP, 2005-2007	53
10. Decrease in Energy Intensity Measured as TPES/GDP	60
11. Existing and Draft Savings by Sector.....	62
12. Potential for Energy Savings in Various Sectors.....	64
13. Important Recent Activities of the Electricity Savings Trust	66
14. Demand Trends in Transport and Other Sectors	79
15. Renewable Electricity Generation as Different Percentages, 2003 (2004).....	91
16. Use of Biomass Fuels in CHP Facilities, 2003	92
17. Horns Rev and Nysted-Rødsand Offshore Wind Farms	96
18. International Comparison of Renewables Support.....	104
19. RE Component of PSO as a Percentage of Various Electricity Prices, 2005.....	105
20. Economic Council's 2002 Assessment of Renewables Policies from 1992 to 1999	106
21. Estimate of Effective Cost of GHG Reduction through Renewables Support.....	115
22. DEA Figures on Cost of Emissions Reduction through Historical Support Schemes for Renewables.....	117
23. Summary of Estimates on Cost of Emissions Reduction through Historical Support Schemes for Renewables	117
24. Switching Rates for Eligible Electricity Customers	141
25. Danish Historical Oil and Gas Production and Likely Reserves.....	148
26. Danish Gas Production and Trade, 2005	149

FIGURES

1. Total Primary Energy Supply, 1973 to 2030.....	20
2. Total Primary Energy Supply in IEA Countries, 2004.....	21
3. Energy Production by Source, 1973 to 2030	22
4. Total Final Consumption by Source, 1973 to 2030.....	23

5. Total Final Consumption by Sector, 1973 to 2030	24
6. CO ₂ Emissions by Fuel, 1973 to 2003	48
7. CO ₂ Emissions by Sector, 1973 to 2003	48
8. Energy Intensity in Denmark and in Other Selected IEA Countries, 1973 to 2010	59
9. Energy Supplied for Space Heating, 1975 to 2001	72
10. Projection of Trends in Stock of Residential Buildings	73
11. Building Code Requirements on Space Heating	74
12. CHP Production as Share of Total Electricity and District Heating Supply, 1980 to 2003	81
13. Renewable Energy as a Percentage of TPES in IEA Countries, 2004	90
14. Development of Wind Power Capacity and Production, 1980 to 2004	94
15. Map of Danish Offshore Wind Farms	95
16. PSO Payments to Support Renewable Energy, 2001 to 2020.....	105
17. Wind Power Generation in Western Denmark, 8 January 2005....	110
18. Effective Cost of CO ₂ Emissions Reduction per Unit of Renewable Subsidy.....	114
19. Capital and Full Generation Costs for Onshore Wind Turbines, 1983 to 2020	118
20. Full Production Costs for Onshore Wind Turbines.....	120
21. Electricity Generation by Source, 1973 to 2030.....	129
22. Final Consumption of Electricity by Sector, 1973 to 2030	130
23. Map of Transmission Grid with International Connections.....	134
24. Electricity Prices in Denmark and in Other Selected IEA Countries, 1980 to 2004	138
25. Components in Retail Electricity Billing, 2005	139
26. Gas Prices in Denmark and in Other Selected IEA Countries, 1984 to 2004	152
27. Gas Prices in IEA Countries, 2004	153
28. Final Consumption of Oil by Sector, 1973 to 2030.....	154
29. OECD Unleaded Gasoline Prices and Taxes, Third Quarter 2005....	155
30. OECD Automotive Diesel Prices and Taxes, Third Quarter 2005....	156
31. Unleaded Gasoline and Automotive Diesel Prices, 1996 to 2004 .	157
32. Government RD&D Spending on Energy, 1990 to 2004	165