

Key Figures from DEA's Preliminary Energy Statistics 2015

Table 1. Primary Energy Production

Unit: PJ	1990	2000	2005	2010	2012	2013	2014	2015*
Total	424	1 165	1 312	979	792	705	680	664
Crude Oil	256	765	796	523	429	373	350	331
Natural Gas	116	310	393	307	216	179	174	173
Waste, Non Renewable	7	14	17	17	17	17	17	17
Renewable Energy	45	76	106	131	130	135	139	143

Table 2. Observed Energy Consumption

Unit: PJ	1990	2000	2005	2010	2012	2013	2014	2015*
Total	752	816	835	846	757	759	719	712
Oil	343	370	348	316	288	278	273	283
Natural Gas	76	186	188	185	146	138	119	121
Coal	255	166	155	164	106	136	107	74
Waste, Non Renewable	7	14	17	17	17	17	17	17
Renewable Energy	45	79	122	168	180	187	192	196
Net Imports of Electricity	25	2	5	-4	19	4	10	21

Table 3. Gross Energy Consumption

Adjusted for Climate variations and Fuels for Net Electricity Exports, updated Calculations, only for 2015

Unit: PJ	1990	2000	2005	2010	2012	2013	2014	2015*
Total	819	839	850	814	782	763	755	747
Oil	355	376	352	312	289	278	276	284
Natural Gas	82	192	192	176	149	138	127	133
Coal	327	175	166	147	146	143	137	108
Waste, Non Renewable	8	14	17	16	17	17	18	18
Renewable Energy	48	81	123	163	180	186	196	203

Table 3a. Gross Energy Consumption

Adjusted for Climate variations and Fuels for Net Electricity Exports, previous Calculations

Unit: PJ	1990	2000	2005	2010	2012	2013	2014	2015*
Total	819	839	850	814	782	763	755	752
Oil	355	376	352	312	289	278	276	286
Natural Gas	82	192	192	176	149	138	127	127
Coal	327	175	166	147	146	143	137	123
Waste, Non Renewable	8	14	17	16	17	17	18	18
Renewable Energy	48	81	123	163	180	186	196	198

Table 4. Degrees of Self-sufficiency

Unit: %	1990	2000	2005	2010	2012	2013	2014	2015*
Total, updated Calculations, only 2015	52	139	154	120	101	92	90	89
Total, previous Calculations	52	139	154	120	101	92	90	88
Oil	72	203	226	168	148	134	127	116
Oil and Natural Gas, updated Calculations, only 2015	85	189	218	170	147	133	130	120
Oil and Natural Gas, previous Calculations	85	189	218	170	147	133	130	122

Table 5. GDP, Gross Energy Consumption and Energy Intensities

Unit: Index 1990=100	1990	2000	2005	2010	2012	2013	2014	2015*
GDP, 2010-prices	100	130	139	139	141	141	142	144
Gross Energy Consumption, updated Calculations, only 2015	100	102	104	99	95	93	92	91
Gross Energy Consumption, previous Calculations	100	102	104	99	95	93	92	92
Energy Intensities, updated Calculations, only 2015	100	79	75	71	68	66	65	64
Energy Intensities, previous Calculations	100	79	75	71	68	66	65	64

Table 6. CO₂ emissions from energy consumption

Unit: Million Tons	1990	2000	2005	2010	2012	2013	2014	2015*
Observed Emissions	53,1	53,6	50,9	49,4	39,9	41,6	37,7	35,2
Adjusted Emissions, updated Calculations, only 2015	61	55,33	52,4	47,02	43,89	42,3	41,16	39,3
Adjusted Emissions, previous Calculations	61	55,33	52,4	47,02	43,89	42,3	41,16	40,5

Table 7. Total greenhouse gases

Unit: Million Tons CO ₂ Equivalents	1990	2000	2005	2010	2012	2013	2014	2015*
Observed Emissions	70,7	71,1	66,7	63,6	53,5	55,5	51,2	48,7
Adjusted Emissions, updated Calculations, only 2015	78,7	72,8	68,3	61,2	57,5	56,2	54,6	52,8
Adjusted Emissions, previous Calculations	78,7	72,8	68,3	61,2	57,5	56,2	54,6	53,9

Note 1: The adjustment for fuel consumption linked to foreign trade with electricity aims to show what energy consumption for power generation would be if the Danish electricity generation and Danish electricity consumption precisely corresponded to each other. As a consequence of developments in the energy system, the DEA has updated the calculation of fuel consumption linked to foreign trade in electricity for the year 2015. The update results in a slight downward revision of adjusted gross energy consumption compared with using the calculation used from 2006 to 2014. See the memo (in Danish) that describes the update here: <http://www.ens.dk/info/tal-kort/statistik-nogleletal/energistatistik-definitioner-metodebeskrivelser>

By comparison, adjusted gross energy consumption, CO₂ emissions and self-sufficiency rate for 2015 calculated with the old and new factors are presented in the tables above.

Note 2: Table 6, the preliminary emissions statements are solely based on the preliminary energy statistics.

Note 3: Table 7, the statements here do not include the effects of uptake of CO₂ by forests and soil (LULUCF) which shall be included in Denmark's climate commitments for 2008-2012. In contrast to table 6, emissions from foreign air transport are not included in the figures in table 7.

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