

Germany; includes offshore

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW	6,097	8,750	11,989	14,604	16,623	18,390	20,579	22,194	23,826	25,703	27,191	29,075
Wind Production; GWh	7,550	10,509	15,786	18,713	25,509	27,229	30,710	39,713	40,574	38,639	37,793	46,500
Total Production; GWh	580,769	583,833	584,667	603,645	607,357	618,841	614,200	591,000	587,000	555,000	607,000	600,000
% of Total Production	1.3	1.8	2.7	3.1	4.2	4.4	5.0	6.7	6.9	7.0	6.2	7.8
CF		0.162	0.174	0.161	0.187	0.178	0.180	0.212	0.201	0.178	0.163	0.189

2006-2011 average CF 0.187

Germany; Offshore

Production; GWh										38	174	560
% of Total Wind Prod.										0.1	0.5	1.2

http://en.wikipedia.org/wiki/Wind_power_in_Germany**Denmark; includes offshore**

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW	2,390	2,497	2,890	3,116	3,123	3,127	3,135	3,124	3,163	3,482	3,802	3,927
Wind Production; GWh	4,220	4,310	4,860	5,560	6,580	6,610	6,110	7,140	6,980	6,720	7,810	9,840
Total Production; GWh	34,876	35,328	34,964	35,190	35,568	35,730	36,369	36,244	36,545	34,819	35,662	35,143
% of Total Production	12.1	12.2	13.9	15.8	18.5	18.5	16.8	19.7	19.1	19.3	21.9	28.0
CF		0.201	0.206	0.211	0.241	0.241	0.223	0.260	0.253	0.231	0.245	0.291

2006-2011 average CF 0.251

http://en.wikipedia.org/wiki/Wind_power_in_Denmarkhttp://www.ens.dk/en-US/Info/FactsAndFigures/Energy_statistics_and_indicators/Annual%20Statistics/Documents/Energy%20Statistics%202010.pdf**The Netherlands; includes offshore**

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW	2,539	4,232	4,687	6,350	6,723	9,147	11,575	16,907	25,410	34,863	40,180	46,919
Wind Production; GWh	829	825	946	1,318	1,866	2,067	2,734	3,437	4,258	4,583	3,972	4,300
Total Production; GWh	89,426	94,240	95,914	96,695	100,725	100,424	98,835	105,164	108,201	113,503	118,150	112,724
% of Total Production	0.93	0.88	0.99	1.36	1.85	2.06	2.77	3.27	3.94	4.04	3.36	3.81
CF		0.202	0.187	0.191	0.215	0.205	0.224	0.237	0.249	0.239	0.204	0.215

2006-2011 average CF 0.228

http://en.wikipedia.org/wiki/Installed_wind_power_capacityhttp://en.wikipedia.org/wiki/Energy_in_Holland<http://statline.cbs.nl/StatWeb/publication/?DM=SLNL&PA=80030ned&D1=0-4&D2=0-2&D3=0,1,6,11,12&D4=0,2,7,12&VW=T>**The US; includes offshore**

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW	2,539	4,232	4,687	6,350	6,723	9,147	11,575	16,907	25,410	34,863	40,180	46,919
Wind Production; GWh	5,593	6,737	10,354	10,729	14,144	14,597	26,589	32,143	55,363	73,886	94,652	119,747
Total Production; GWh	3,334,000	3,334,000	3,834,815	3,831,786	3,928,889	4,054,722	4,090,615	4,174,416	4,131,567	3,951,123	4,133,275	4,100,925
% of Total Production	0.17	0.20	0.27	0.28	0.36	0.36	0.65	0.77	1.34	1.87	2.29	2.92
CF		0.227	0.265	0.222	0.247	0.210	0.293	0.258	0.299	0.280	0.288	0.314

2006-2011 average CF 0.289

http://en.wikipedia.org/wiki/Wind_power_in_the_United_States**Texas**

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW	184	1,096	1,096	1,290	1,290	1,992	2,736	4,353	7,113	9,403	10,089	10,377
Wind Production; GWh	320	492	1,188	2,656	2,570	3,138	4,237	6,671	9,006	16,225	20,026	26,251
Total Production; GWh	377,742	379,000	383,000	387,000	390,299	396,669	400,583	405,492	404,788	397,168	411,695	410,000
% of Total Production	0.08	0.13	0.31	0.69	0.66	0.79	1.06	1.65	2.22	4.09	4.86	6.40
CF		0.088	0.124	0.254	0.227	0.218	0.205	0.215	0.179	0.224	0.235	0.293

Note: Total Production for 2001, 2002, 2003, 2011 were estimated.

2006-2011 average CF 0.225

http://en.wikipedia.org/wiki/Wind_power_in_Texas<http://www.eia.gov/electricity/state/archive/sep2009.pdf><http://www.eia.gov/electricity/state/texas/pdf/texas.pdf>**Ireland; includes offshore**

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW	118	124	137	190	339	496	748	910	1030	1320	1440	1,631
Wind Production; GWh	244	334	388	454	655	1,112	1,622	1,958	2,410	2,955	2,815	4,380
Total Production; GWh	19,740	19,540	22,290	23,530	23,530	22,880	23,410	23,260	25,770	25,770	26,060	27,280
% of Total Production	1.24	1.71	1.74	1.93	2.78	4.86	6.93	8.42	9.35	11.47	10.80	16.06
CF		0.315	0.339	0.317	0.283	0.304	0.298	0.270	0.284	0.287	0.233	0.326

2006-2011 average CF 0.283

http://www.seai.ie/Publications/Statistics_Publications/Renewable_Energy_in_Ireland_2011.pdfhttp://www.seai.ie/Renewables/Wind_Energy/Wind_Energy_Annual_Reports/2009_Wind_Energy_Annual_Report.pdf<http://wind-energy-the-facts.org/fr/part-4-industry-markets/chapter-2-european-market-overview/the-current-status-of-the-eu-wind-energy-market.html><http://www.indexmundi.com/g/g.aspx?v=79&c=el&l=en>**New York State**

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Installed Capacity; MW				48	48	48	279	425	1,162	1,274	1,274	1,348
Wind Production; GWh				103	112	101	518	873	1,282	2,108	2,533	2,787
Total Production; GWh				158,012	160,211	167,208	162,238	167,341	165,612	158,780	163,505	163,330
% of Total Production				0.07	0.06	0.06	0.32	0.52	0.77	1.33	1.55	1.71
CF				0.266	0.240	0.240	0.362	0.283	0.184	0.198	0.227	0.243

2006-2011 average CF 0.249

http://www.nyiso.com/public/webdocs/services/planning/planning_data_reference_documents/2012_GoldBook.pdf