

World on the Edge - Supporting Data for Chapter 9 - European Union Energy Profile

[Cumulative Installed Wind Power Capacity in the European Union, 1998-2009](#)

GRAPH: Cumulative Installed Wind Power Capacity in the European Union, 1998-2009

[Cumulative Solar Photovoltaics Installations in the European Union, 1998-2009](#)

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[Hydroelectric Consumption in the European Union, 1965-2009](#)

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[Natural Gas Consumption in the European Union, 1965-2009](#)

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[Oil Consumption in the European Union, 1965-2009](#)

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[Coal Consumption in the European Union, 1980-2009](#)

GRAPH: Coal Consumption in the European Union, 1980-2009

[Nuclear Energy Consumption in the European Union, 1965-2009](#)

GRAPH: Nuclear Energy Consumption in the European Union, 1965-2009

A full listing of data for the entire book is on-line at:

http://www.earth-policy.org/books/wote/wote_data

This is part of a supporting dataset for Lester R. Brown, **World On the Edge: How to Prevent Environmental and Economic Collapse** (New York: W.W. Norton & Company, 2010). For more information and a free download of the book, see Earth Policy Institute on-line at www.earth-policy.org.

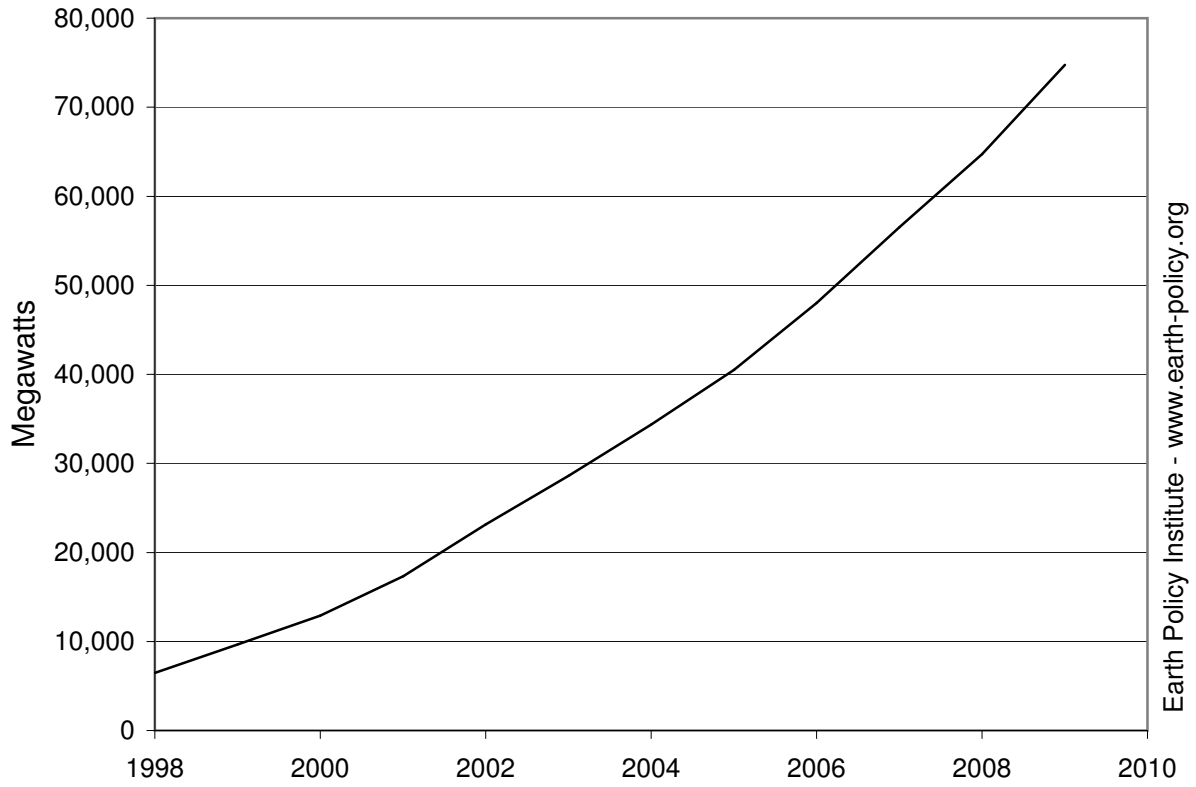
Cumulative Installed Wind Power Capacity in the European Union, 1998-2009

Year	Cumulative Installed Capacity Megawatts
1998	6,453
1999	9,678
2000	12,887
2001	17,315
2002	23,159
2003	28,598
2004	34,371
2005	40,511
2006	48,029
2007	56,531
2008	64,719
2009	74,767

Source: Compiled by Earth Policy Institute with data for 1998-2000 from European Wind Energy Association, "Cumulative Installed Capacity per EU Member State 1998 - 2009 (MW)," table at www.ewea.org/index.php?id=1486, retrieved 17 November 2010; 2001-2009 from Global Wind Energy Council, *Global Wind 2009 Report* (Brussels: 2010), p. 35.

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Cumulative Installed Wind Power Capacity in the European Union, 1998-2009



Source: EWEA; GWEC

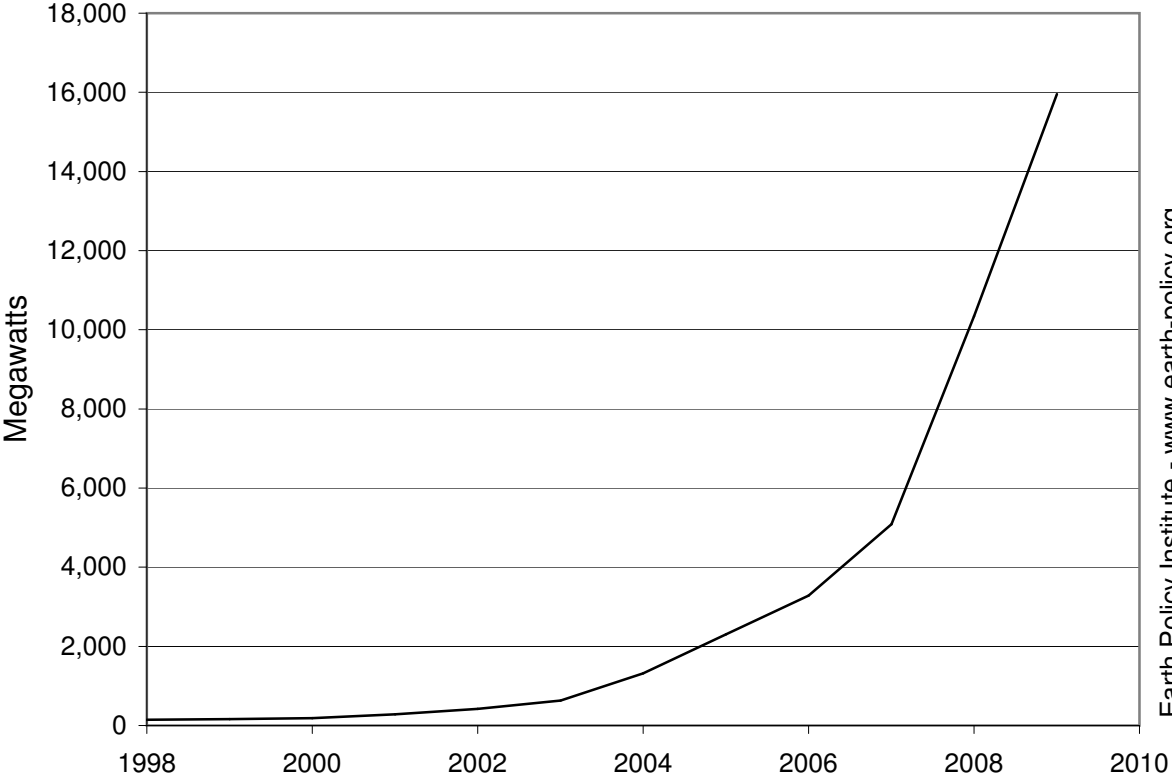
Cumulative Solar Photovoltaics Installations in the European Union, 1998-2009

Year	Cumulative Installed Capacity Megawatts
1998	147
1999	165
2000	189
2001	286
2002	422
2003	633
2004	1,319
2005	2303
2006	3,282
2007	5,088
2008	10,340
2009	15,958

Source: Compiled by Earth Policy Institute from European Photovoltaic Industry Association (EPIA), *Global Market Outlook for Photovoltaics Until 2013* (Brussels: April 2009), p. 4; EPIA, *Global Market Outlook for Photovoltaics Until 2014* (Brussels: May 2010), p. 5.

This is part of a supporting dataset for Lester R. Brown, **World on the Edge: How to Prevent Environmental and Economic Collapse** (New York: W.W. Norton & Company, 2011). For more information and a free download of the book, see Earth Policy Institute on-line at www.earth-policy.org.

Cumulative Solar Photovoltaics Installations in the European Union, 1998-2009



Source: EPIA

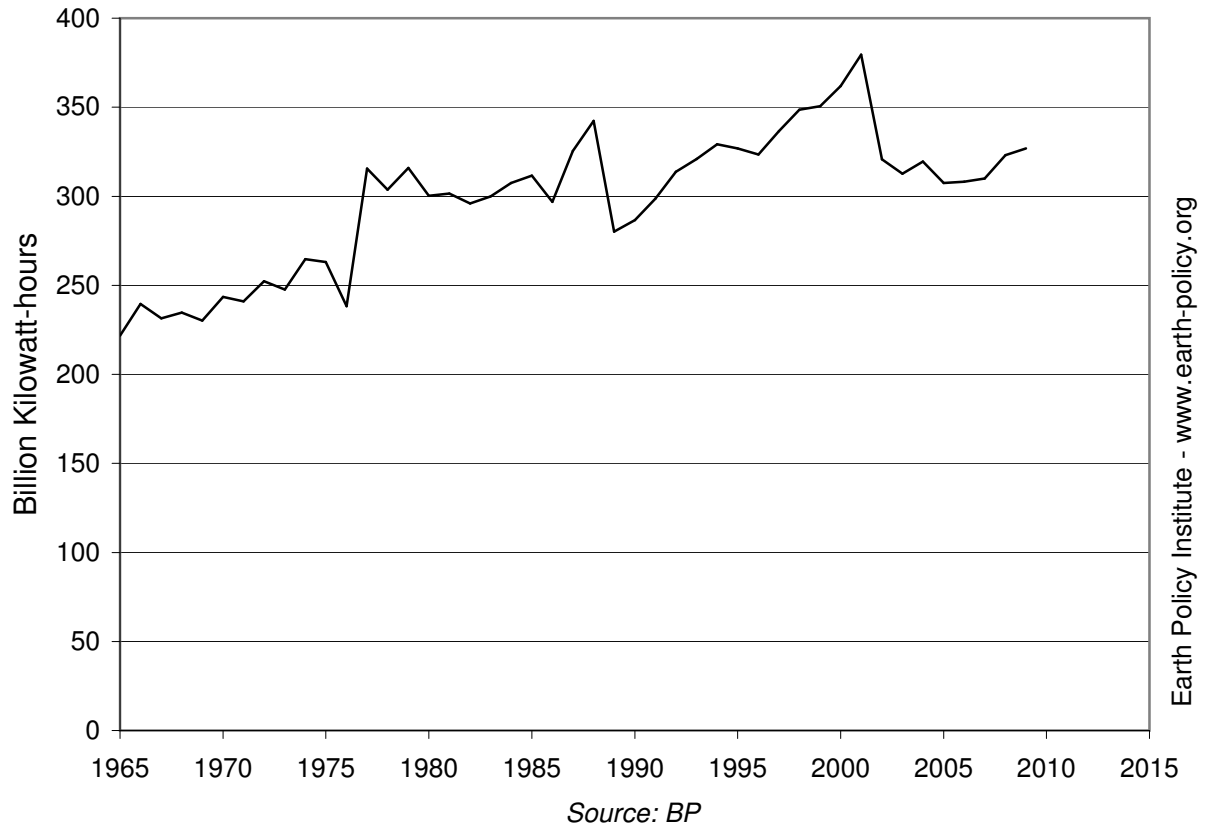
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Hydroelectric Consumption in the European Union, 1965-2009

<u>Year</u>	<u>Consumption</u> Billion Kilowatt-hours
1965	222
1966	240
1967	231
1968	235
1969	230
1970	243
1971	241
1972	252
1973	248
1974	265
1975	263
1976	238
1977	316
1978	304
1979	316
1980	300
1981	302
1982	296
1983	300
1984	307
1985	312
1986	297
1987	325
1988	342
1989	280
1990	287
1991	299
1992	314
1993	321
1994	329
1995	327
1996	323
1997	337
1998	349
1999	351
2000	362
2001	380
2002	321
2003	313
2004	320
2005	308
2006	308
2007	310
2008	323
<u>2009</u>	<u>327</u>

Source: BP, *Statistical Review of World Energy June 2010* (London: 2010).

Hydroelectric Consumption in the European Union, 1965-2009



Fuel Ethanol Production in the European Union, 1992-2010

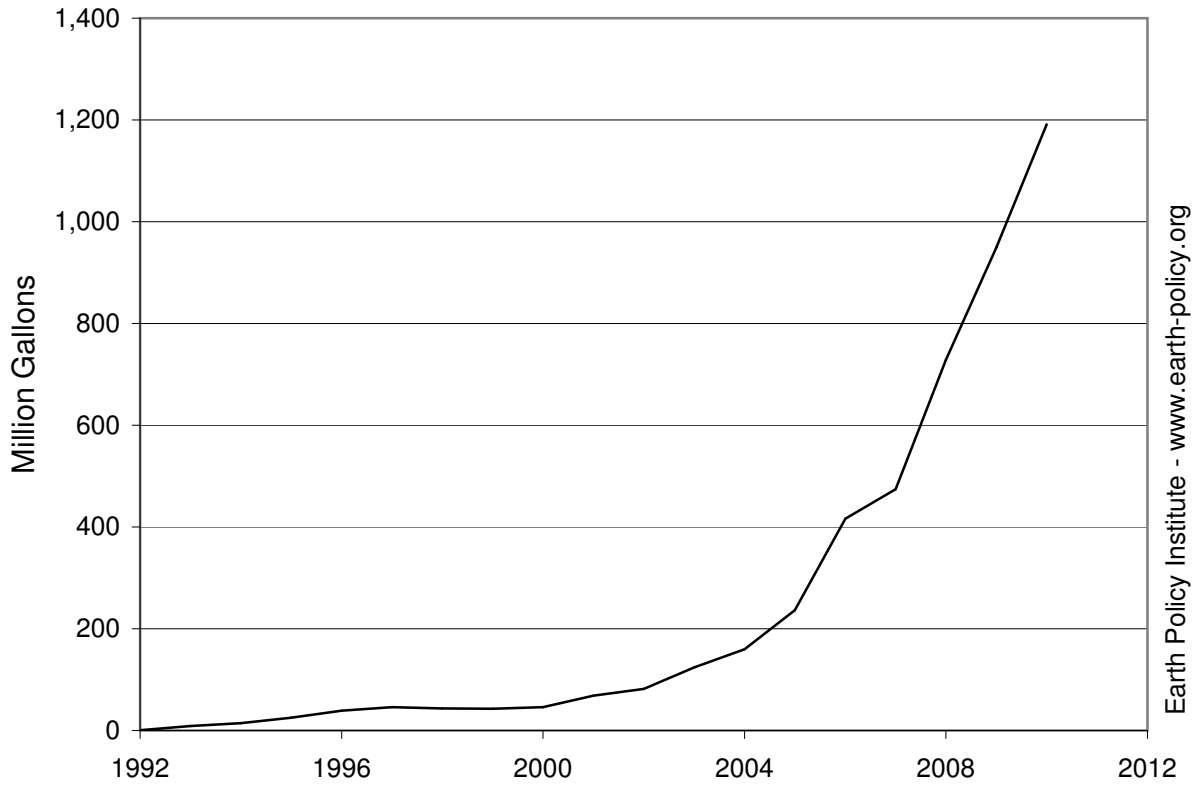
Year	Production Million Gallons
1992	1
1993	9
1994	15
1995	25
1996	39
1997	46
1998	44
1999	43
2000	46
2001	68
2002	82
2003	124
2004	160
2005	237
2006	417
2007	474
2008	728
2009	949
2010 *	1,191

* Projection.

Source: Compiled by Earth Policy Institute with data for 1992-2005 from F.O. Licht, *World Ethanol and Biofuels Report*, vol. 7, no. 18 (26 May 2009), p. 3; 2006-2010 from F.O. Licht, *World Ethanol and Biofuels Report*, vol. 8, no. 16 (28 April 2010), p. 328.

This is part of a supporting dataset for Lester R. Brown, **World on the Edge: How to Prevent Environmental and Economic Collapse** (New York: W.W. Norton & Company, 2011). For more information and a free download of the book, see Earth Policy Institute on-line at www.earth-policy.org.

Fuel Ethanol Production in the European Union, 1992-2010



Source: F.O. Licht

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Biodiesel Production in the European Union, 2000-2010

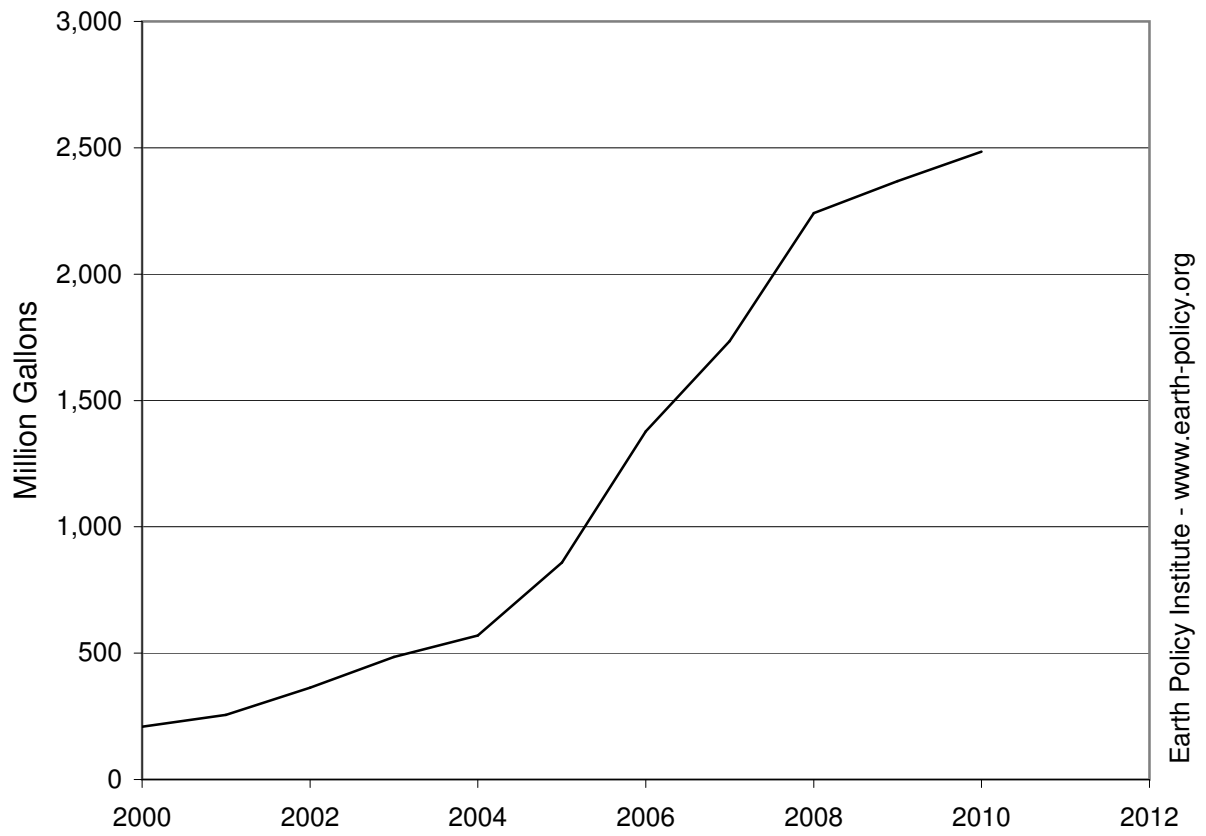
Year	Production Million Gallons
2000	209
2001	255
2002	363
2003	485
2004	570
2005	859
2006	1,378
2007	1,735
2008	2,242
2009	2,368
2010 *	2,485

* Projection.

Source: Compiled by Earth Policy Institute with 2000-2004 data from F.O. Licht, *World Ethanol and Biofuels Report*, vol. 7, no. 2 (23 September 2008), p. 29; 2005-2010 data from F.O. Licht, *World Ethanol and Biofuels Report*, vol. 8, no. 13 (15 March 2010), p. 265.

This is part of a supporting dataset for Lester R. Brown, **World on the Edge: How to Prevent Environmental and Economic Collapse** (New York: W.W. Norton & Company, 2011). For more information and a free download of the book, see Earth Policy Institute on-line at www.earth-policy.org.

Biodiesel Production in the European Union, 2000-2010



Source: F.O. Licht

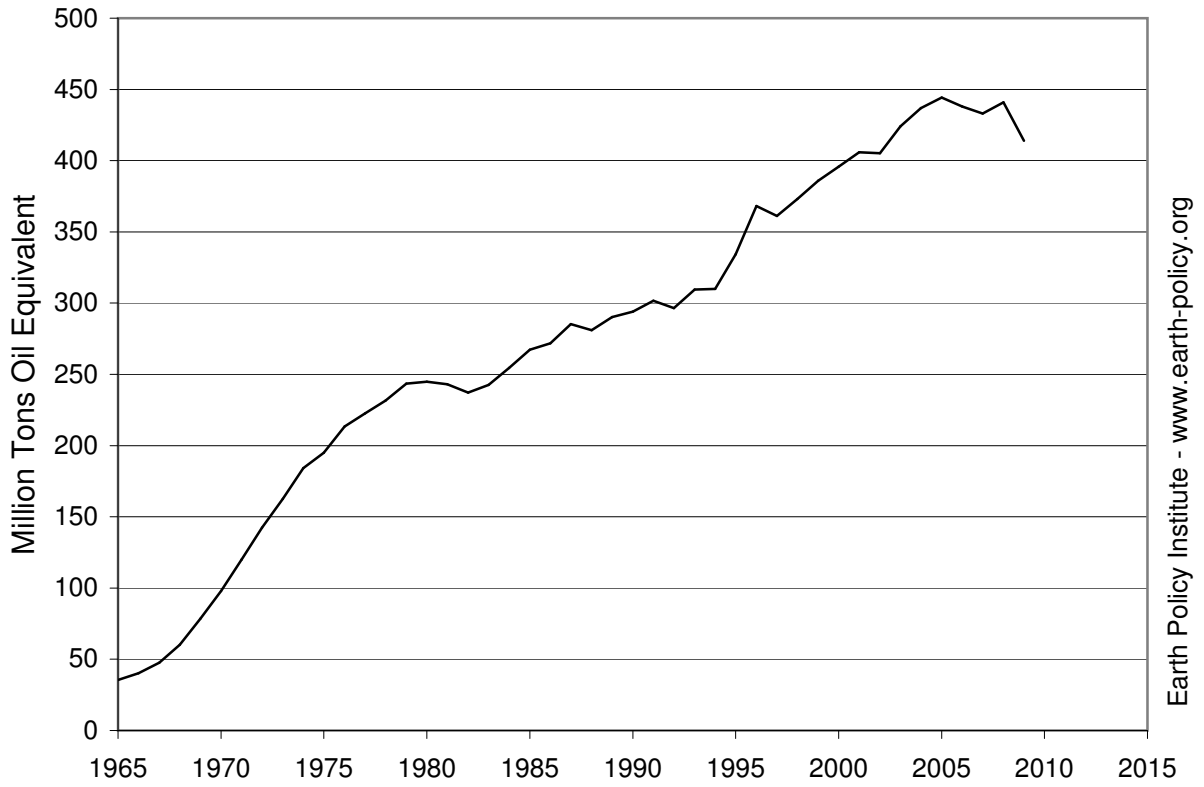
Natural Gas Consumption in the European Union, 1965-2009

Year	Consumption
	Million Tons Oil Equivalent
1965	35
1966	40
1967	48
1968	60
1969	78
1970	98
1971	120
1972	142
1973	163
1974	184
1975	195
1976	213
1977	223
1978	231
1979	244
1980	245
1981	243
1982	237
1983	243
1984	255
1985	267
1986	272
1987	285
1988	281
1989	290
1990	294
1991	302
1992	296
1993	310
1994	310
1995	334
1996	368
1997	361
1998	373
1999	386
2000	396
2001	406
2002	405
2003	424
2004	437
2005	444
2006	438
2007	433
2008	441
2009	414

Source: BP, *Statistical Review of World Energy June 2010* (London: 2010).

This is part of a supporting dataset for Lester R. Brown, **World on the Edge: How to Prevent Environmental and Economic Collapse** (New York: W.W. Norton & Company, 2011). For more information and a free download of the book, see Earth Policy Institute on-line at www.earth-policy.org.

Natural Gas Consumption in the European Union, 1965-2009



Source: BP

Oil Consumption in the European Union, 1965-2009

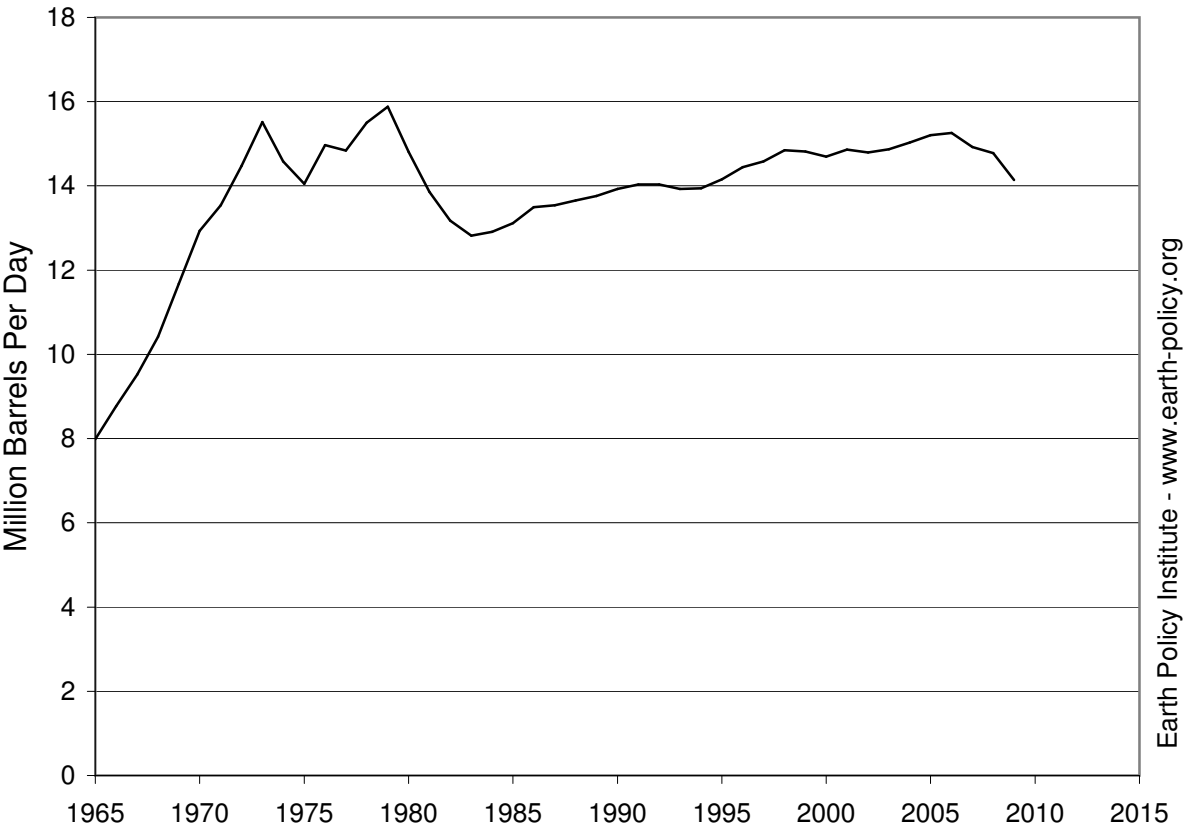
Year	Consumption*
	Million Barrels per Day
1965	7.99
1966	8.77
1967	9.52
1968	10.42
1969	11.68
1970	12.94
1971	13.54
1972	14.48
1973	15.51
1974	14.58
1975	14.05
1976	14.97
1977	14.84
1978	15.50
1979	15.88
1980	14.81
1981	13.86
1982	13.17
1983	12.82
1984	12.91
1985	13.11
1986	13.50
1987	13.54
1988	13.65
1989	13.76
1990	13.93
1991	14.03
1992	14.04
1993	13.93
1994	13.94
1995	14.16
1996	14.44
1997	14.58
1998	14.85
1999	14.81
2000	14.69
2001	14.86
2002	14.80
2003	14.87
2004	15.03
2005	15.20
2006	15.26
2007	14.93
2008	14.77
2009	14.14

* Includes ethanol and biodiesel.

Source: BP, *Statistical Review of World Energy June 2010* (London: 2010).

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Oil Consumption in the European Union, 1965-2009



Source: BP

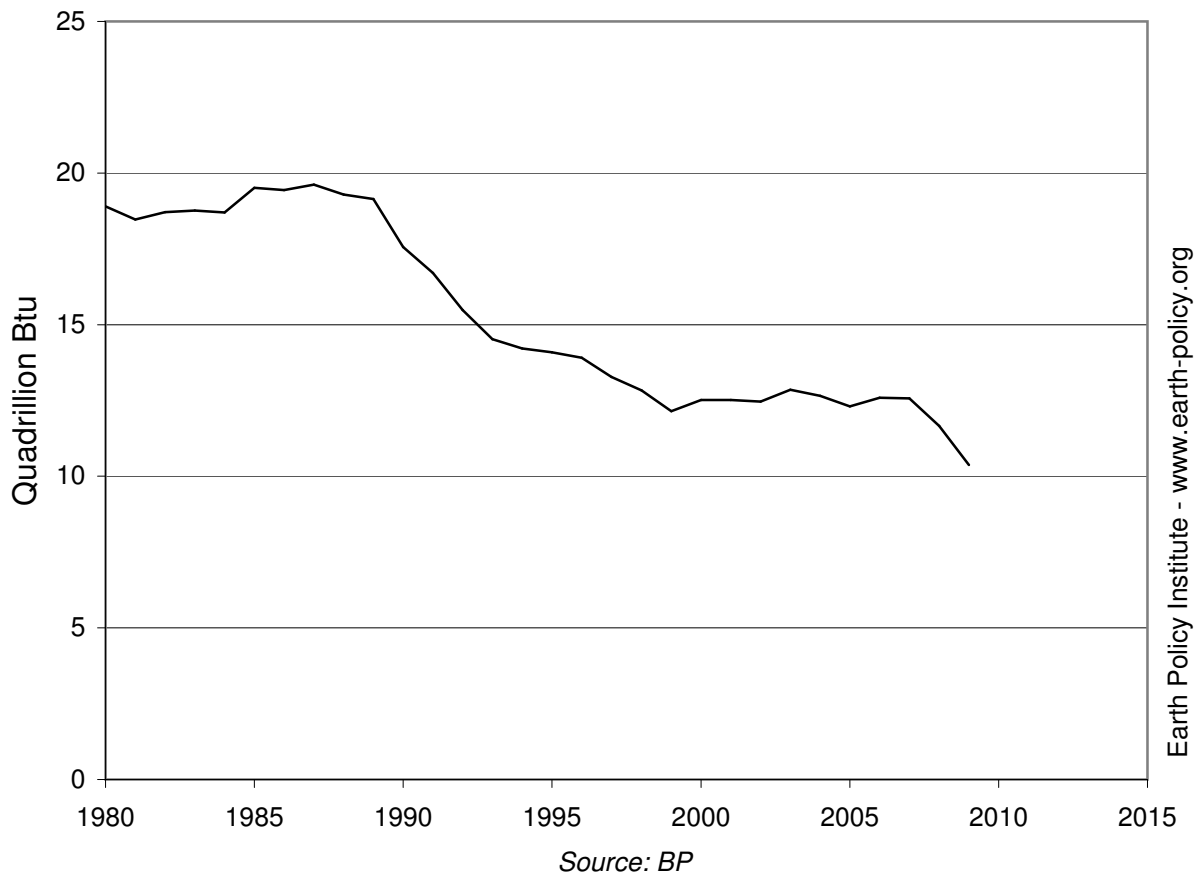
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Coal Consumption in the European Union, 1980-2009

Year	Consumption Quadrillion Btu
1980	18.9
1981	18.5
1982	18.7
1983	18.8
1984	18.7
1985	19.5
1986	19.4
1987	19.6
1988	19.3
1989	19.1
1990	17.6
1991	16.7
1992	15.5
1993	14.5
1994	14.2
1995	14.1
1996	13.9
1997	13.3
1998	12.8
1999	12.1
2000	12.5
2001	12.5
2002	12.5
2003	12.9
2004	12.7
2005	12.3
2006	12.6
2007	12.6
2008	11.7
2009	10.4

Source: Compiled by Earth Policy Institute from BP, *Statistical Review of World Energy June 2010* (London: 2010); million tons oil equivalent converted to Btu using conversion factor from International Energy Agency, "Unit Converter," at www.iea.org/stats/unit.asp.

Coal Consumption in the European Union, 1980-2009



Nuclear Energy Consumption in the European Union, 1965-2009

<u>Year</u>	<u>Consumption</u> Billion Kilowatt-hours
1965	20
1966	26
1967	31
1968	35
1969	42
1970	43
1971	50
1972	64
1973	68
1974	80
1975	108
1976	128
1977	153
1978	173
1979	192
1980	225
1981	307
1982	337
1983	398
1984	504
1985	616
1986	670
1987	691
1988	748
1989	793
1990	790
1991	819
1992	827
1993	863
1994	859
1995	882
1996	927
1997	938
1998	930
1999	944
2000	946
2001	979
2002	992
2003	1,000
2004	1,013
2005	999
2006	992
2007	937
2008	940
<u>2009</u>	<u>895</u>

Source: BP, *Statistical Review of World Energy June 2010* (London: 2010).

Nuclear Energy Consumption in the European Union, 1965-2009

