

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

[Cumulative Installed Wind Power Capacity in China, 1995-2009](#)

GRAPH: Cumulative Installed Wind Power Capacity in China, 1995-2009

[Annual Solar Photovoltaics Production in China, 2000-2009](#)

GRAPH: Annual Solar Photovoltaics Production in China, 2000-2009

[Cumulative Installed Geothermal Electricity-Generating Capacity in China, 1990-2010](#)

[Hydroelectric Consumption in China, 1965-2009](#)

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[Fuel Ethanol Production in China, 2002-2010](#)

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[Natural Gas Consumption in China, 1965-2009](#)

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[Oil Consumption in China, 1965-2009](#)

GRAPH: Oil Consumption in China, 1965-2009

[Coal Consumption in China, 1965-2009](#)

GRAPH: Coal Consumption in China, 1965-2009

[Nuclear Energy Consumption in China, 1993-2009](#)

GRAPH: Nuclear Energy Consumption in China, 1993-2009

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

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

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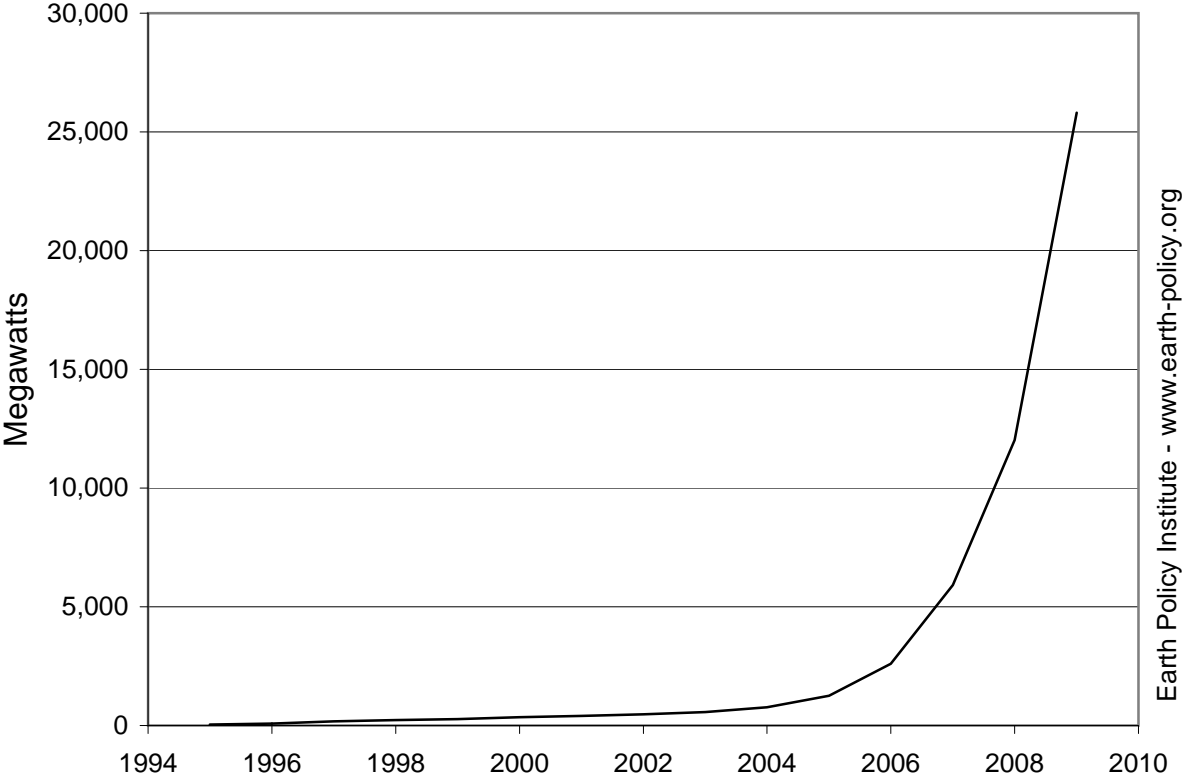
Cumulative Installed Wind Power Capacity in China, 1995-2009

Year	Cumulative Installed Capacity Megawatts
1995	38
1996	79
1997	170
1998	224
1999	268
2000	346
2001	402
2002	469
2003	567
2004	764
2005	1,260
2006	2,599
2007	5,910
2008	12,020
2009	25,805

Source: Compiled by Earth Policy Institute from Chinese Renewable Energy Industries Association, *China Wind Power Report 2007* (Beijing: China Environmental Science Press, 2007), and from Global Wind Energy Council (GWEC), *Global Wind 2009 Report* (Brussels: 2010).

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Cumulative Installed Wind Power Capacity in China, 1995-2009



Source: EPI from CREIA; GWEC

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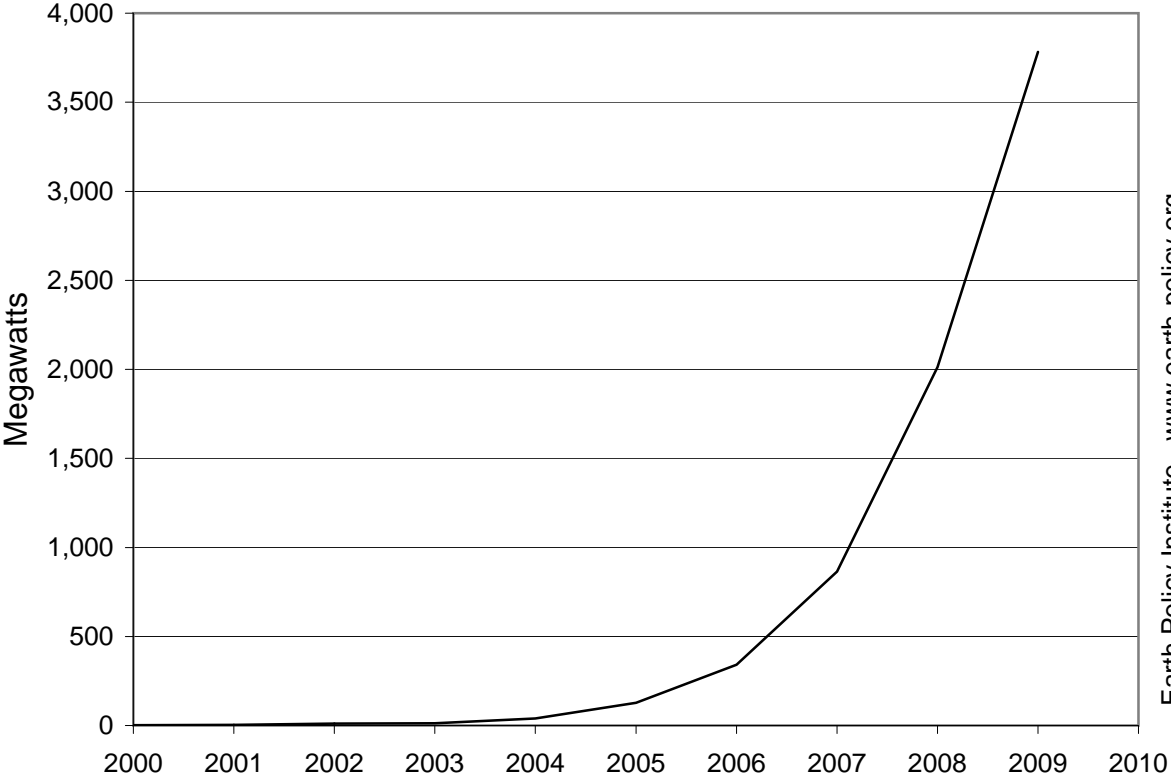
Annual Solar Photovoltaics Production in China, 2000-2009

<u>Year</u>	<u>Production</u> Megawatts
2000	3
2001	3
2002	10
2003	13
2004	40
2005	128
2006	342
2007	864
2008	2,013
<u>2009</u>	<u>3,782</u>

Source: Compiled by Earth Policy Institute with 2000 data from Prometheus Institute, "23rd Annual Data Collection - Final," *PVNews*, vol. 26, no. 4 (April 2007), pp. 8-9; 2001-2006 from Prometheus Institute and Greentech Media, "25th Annual Data Collection Results: PV Production Explodes in 2008," *PVNews*, vol. 28, no. 4 (April 2009), pp. 15-18; 2007-2009 from Shyam Mehta, GTM Research, e-mail to J. Matthew Roney, Earth Policy Institute, 21 June 2010.

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Annual Solar Photovoltaics Production in China, 2000-2009



Source: EPI from Prometheus Institute; Greentech Media

Cumulative Installed Geothermal Electricity-Generating Capacity in China, 1990-2010

Year	Cumulative Installed Capacity Megawatts
1990	19.2
1995	28.8
2000	29.2
2005	28.0
2010 *	24.0

* Note: Installed capacity as of May 2010.

Source: Compiled by Earth Policy Institute with 1990 and 1995 from International Geothermal Association, "Installed Generating Capacity," at <http://iga.igg.cnr.it/geoworld/geoworld.php?sub=elgen>, updated 3 July 2009; 2000 and 2005 from Ruggero Bertani, "World Geothermal Generation in 2007," *GHC Bulletin*, September 2007, p. 9; 2010 from Alison Holm et al., *Geothermal Energy International Market Update* (Washington, DC: Geothermal Energy Association, May 2010), pp. 47–48.

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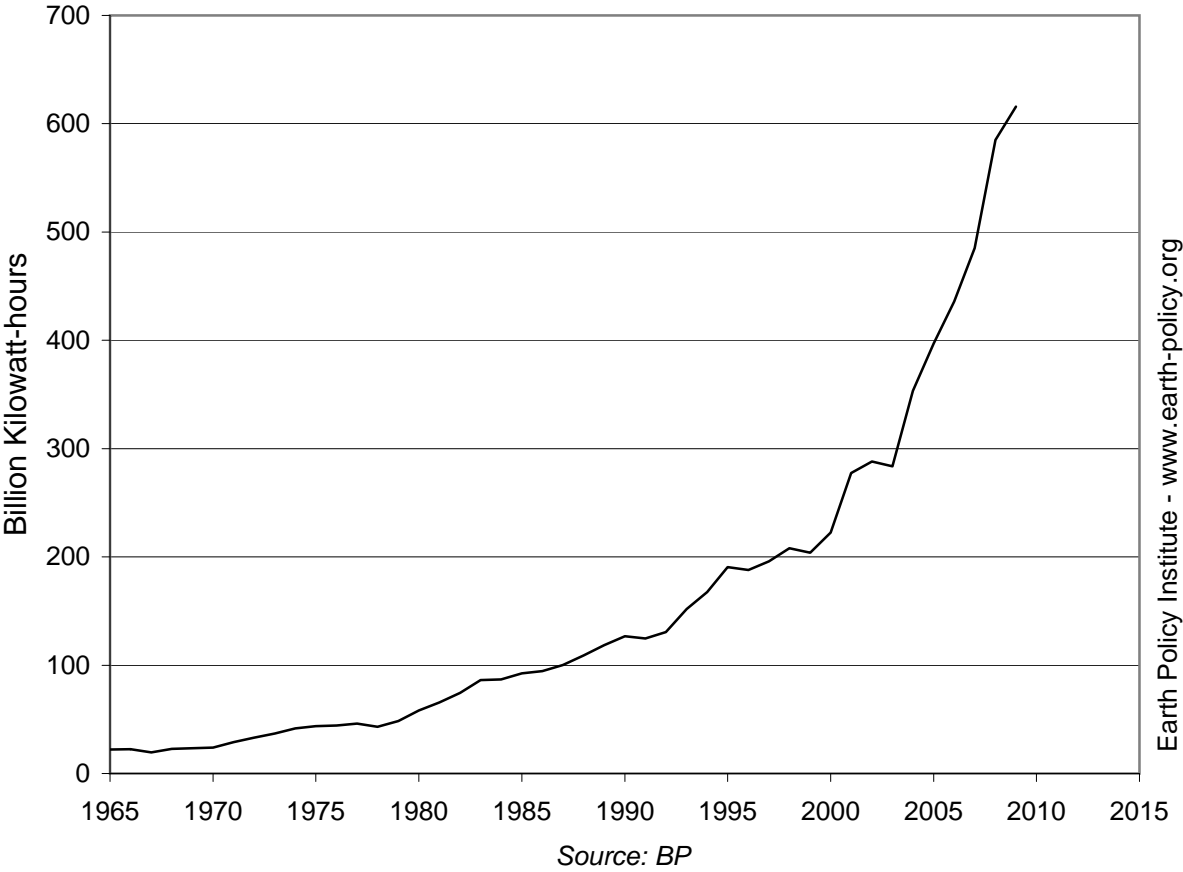
Hydroelectric Consumption in China, 1965-2009

Year	Consumption Billion Kilowatt-hours
1965	22
1966	22
1967	19
1968	23
1969	23
1970	24
1971	29
1972	33
1973	37
1974	42
1975	44
1976	44
1977	46
1978	43
1979	49
1980	58
1981	66
1982	74
1983	86
1984	87
1985	92
1986	95
1987	100
1988	109
1989	118
1990	127
1991	125
1992	131
1993	152
1994	167
1995	191
1996	188
1997	196
1998	208
1999	204
2000	222
2001	277
2002	288
2003	284
2004	354
2005	397
2006	436
2007	485
2008	585
2009	616

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

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Hydroelectric Consumption in China, 1965-2009



Fuel Ethanol Production in China, 2002-2010

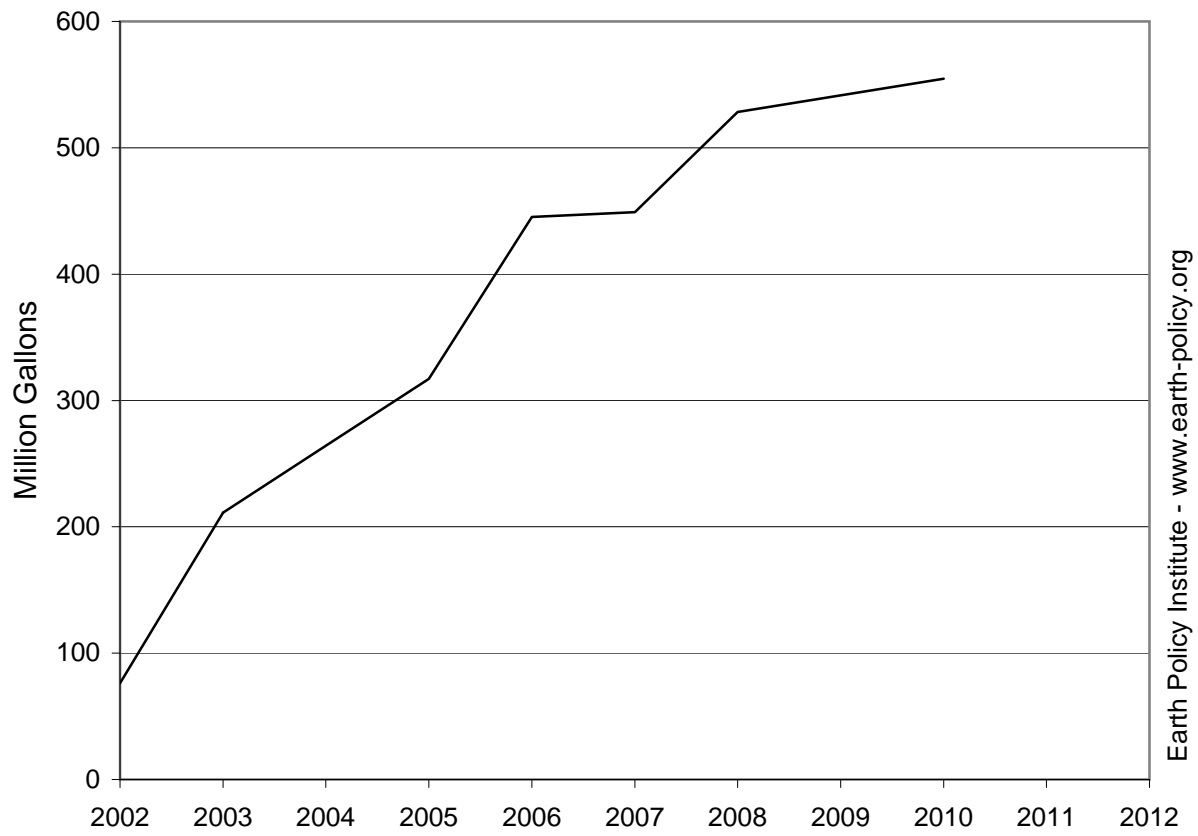
Year	Production Million Gallons
2002	76
2003	211
2004	264
2005	317
2006	445
2007	449
2008	528
2009	542
2010 *	555

* Projection.

Source: Compiled by Earth Policy Institute with data for 2002-2005 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 China, 2002-2010



Source: F.O. Licht

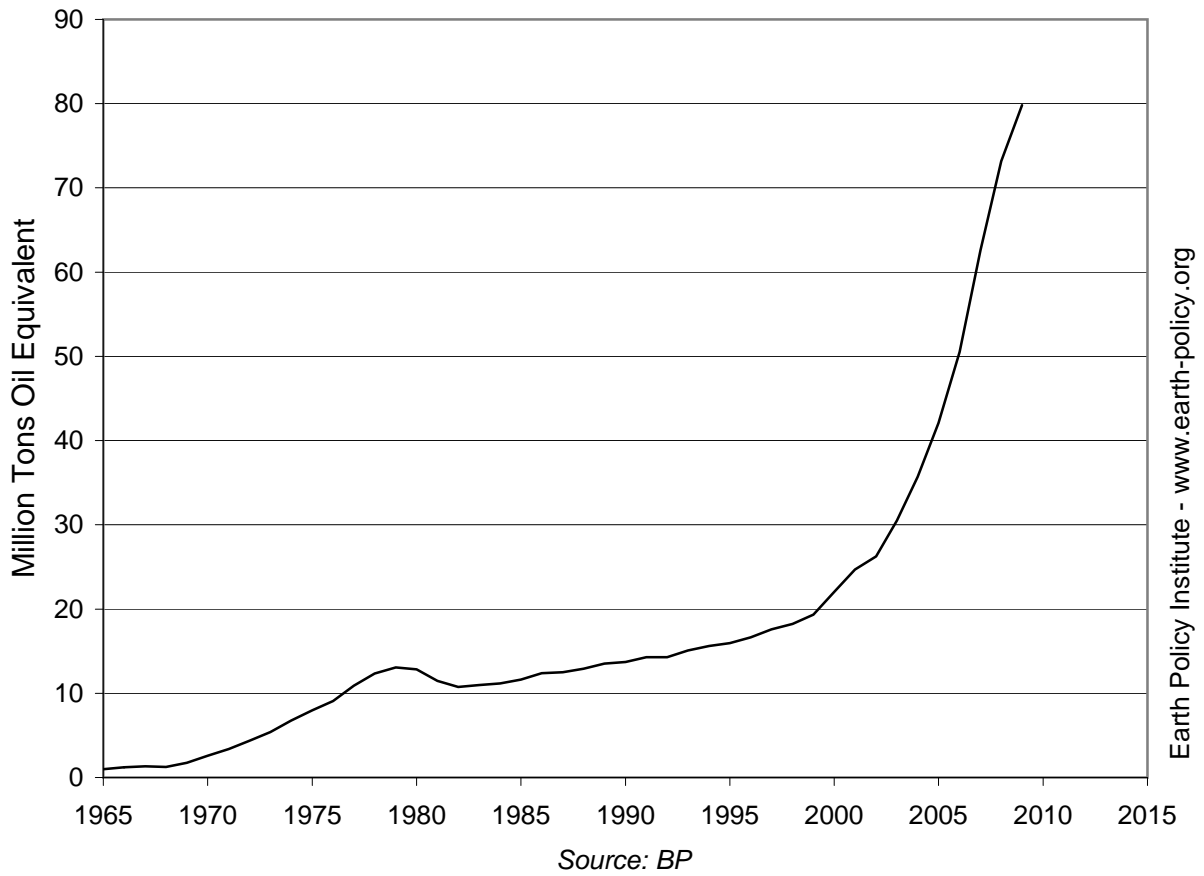
Natural Gas Consumption in China, 1965-2009

Year	Consumption
	Million Tons Oil Equivalent
1965	1
1966	1
1967	1
1968	1
1969	2
1970	3
1971	3
1972	4
1973	5
1974	7
1975	8
1976	9
1977	11
1978	12
1979	13
1980	13
1981	11
1982	11
1983	11
1984	11
1985	12
1986	12
1987	13
1988	13
1989	14
1990	14
1991	14
1992	14
1993	15
1994	16
1995	16
1996	17
1997	18
1998	18
1999	19
2000	22
2001	25
2002	26
2003	31
2004	36
2005	42
2006	51
2007	63
2008	73
2009	80

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

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Natural Gas Consumption in China, 1965-2009



Oil Consumption in China, 1965-2009

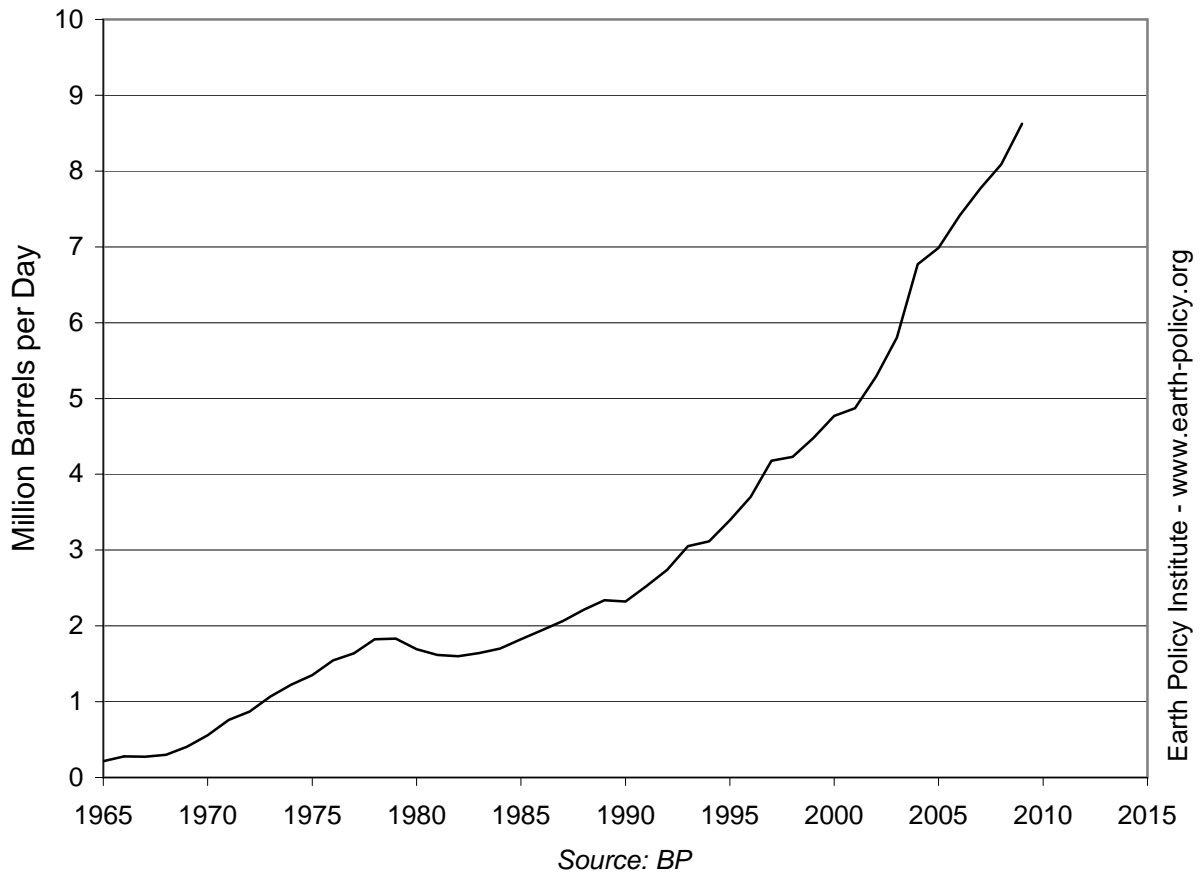
Year	Consumption*
	Million Barrels per Day
1965	0.22
1966	0.28
1967	0.28
1968	0.30
1969	0.40
1970	0.56
1971	0.76
1972	0.87
1973	1.07
1974	1.23
1975	1.35
1976	1.55
1977	1.64
1978	1.82
1979	1.83
1980	1.69
1981	1.62
1982	1.60
1983	1.64
1984	1.70
1985	1.82
1986	1.94
1987	2.06
1988	2.21
1989	2.34
1990	2.32
1991	2.52
1992	2.74
1993	3.05
1994	3.12
1995	3.39
1996	3.70
1997	4.18
1998	4.23
1999	4.48
2000	4.77
2001	4.87
2002	5.29
2003	5.80
2004	6.77
2005	6.98
2006	7.41
2007	7.77
2008	8.09
2009	8.63

* Includes ethanol and biodiesel.

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

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Oil Consumption in China, 1965-2009



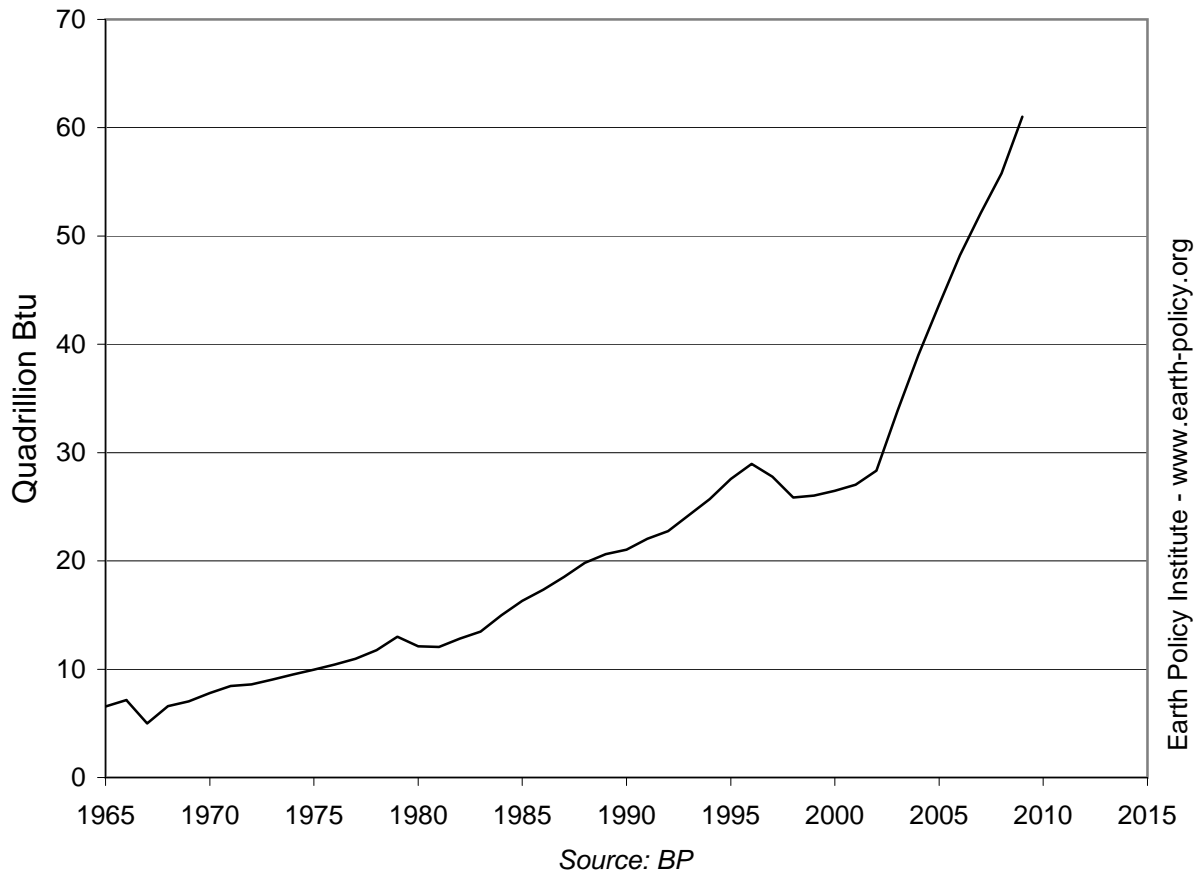
Coal Consumption in China, 1965-2009

Year	Consumption Quadrillion Btu
1965	6.6
1966	7.2
1967	5.0
1968	6.6
1969	7.0
1970	7.8
1971	8.5
1972	8.6
1973	9.0
1974	9.5
1975	10.0
1976	10.4
1977	11.0
1978	11.8
1979	13.0
1980	12.1
1981	12.1
1982	12.8
1983	13.5
1984	15.0
1985	16.3
1986	17.4
1987	18.5
1988	19.8
1989	20.6
1990	21.0
1991	22.0
1992	22.8
1993	24.2
1994	25.7
1995	27.6
1996	28.9
1997	27.8
1998	25.9
1999	26.0
2000	26.5
2001	27.0
2002	28.3
2003	33.9
2004	39.0
2005	43.7
2006	48.2
2007	52.1
2008	55.8
2009	61.0

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.

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Coal Consumption in China, 1965-2009



Nuclear Energy Consumption in China, 1993-2009

Year	Consumption
	Billion Kilowatt-hours
1993	2
1994	15
1995	13
1996	14
1997	14
1998	14
1999	15
2000	17
2001	17
2002	25
2003	43
2004	50
2005	53
2006	55
2007	62
2008	68
2009	70

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

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Nuclear Energy Consumption in China, 1993-2009

