

World on the Edge - Supporting Data for Chapter 9 - Geothermal

[World Cumulative Installed Geothermal Electricity-Generating Capacity, 1950-2010](#)

GRAPH: World Cumulative Installed Geothermal Electricity-Generating Capacity, 1950-2010

[Cumulative Installed Geothermal Electricity-Generating Capacity by Country, 1990-2010](#)

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

[Confirmed U.S. Geothermal Projects Under Development as of May 2010](#)

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.

World Cumulative Installed Geothermal Electricity-Generating Capacity, 1950-2010

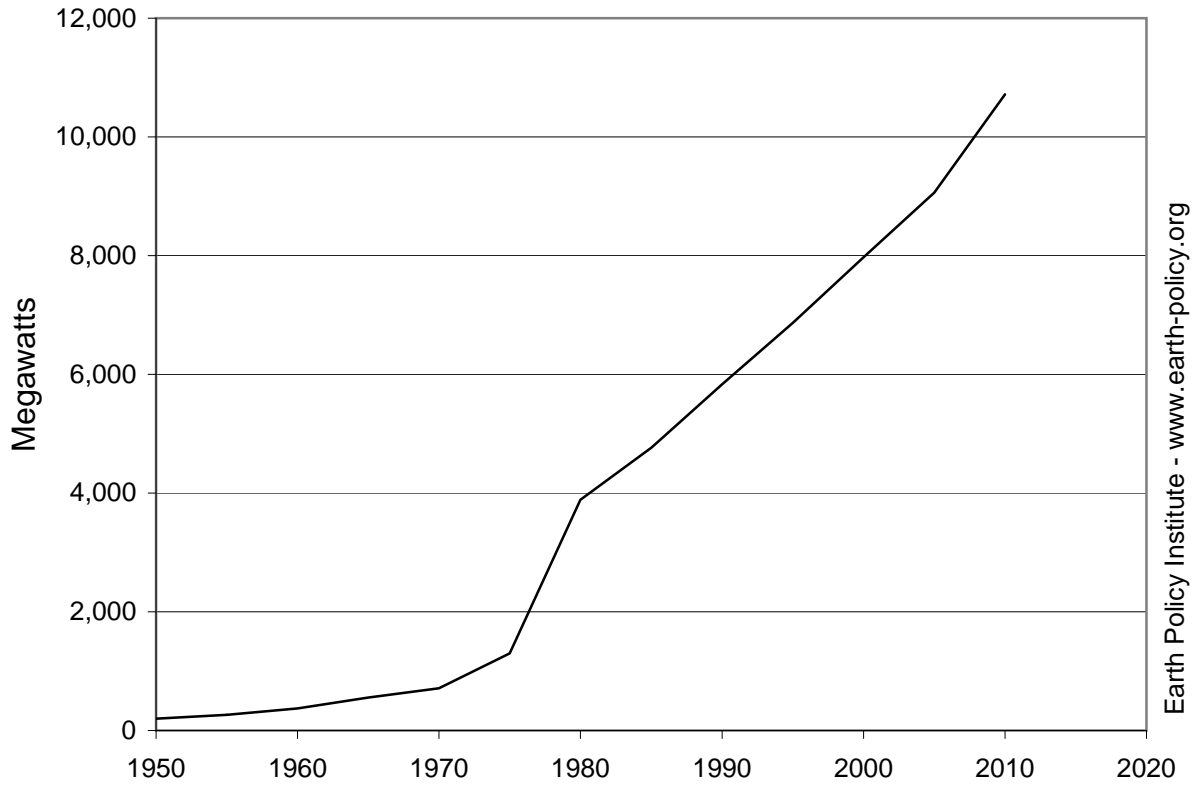
Year	Cumulative Installed Capacity Megawatts
1950	200
1955	262
1960	374
1965	556
1970	711
1975	1,300
1980	3,887
1985	4,764
1990	5,832
1995	6,867
2000	7,974
2005	9,064
2010 *	10,715

* Note: Total installed capacity as of May 2010.

Source: Compiled by Earth Policy Institute with 1950-1970 data from Worldwatch Institute, *Signposts 2004*, CD-ROM (Washington, DC: 2004); 1975-1985 data from Ruggero Bertani, "World Geothermal Generation in 2007," *GHC Bulletin*, September 2007, p. 8; 1990-2005 from International Geothermal Association, "Installed Generating Capacity," at www.geothermal-energy.org/226,installed_generating_capacity.html, updated 2 July 2010; 2010 estimate from Alison Holm et al., *Geothermal Energy International Market Update* (Washington, DC: Geothermal Energy Association, May 2010), p. 4.

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World Cumulative Installed Geothermal Electricity-Generating Capacity, 1950-2010



Source: Worldwatch; Bertani; GEA

Cumulative Installed Geothermal Electricity-Generating Capacity by Country, 1990-2010

Country	1990	1995	2000	2005	2010
	Megawatts				
Argentina	0.7	0.7	0.0	0.0	0.0
Australia	0.0	0.2	0.2	0.2	1.1
Austria	0.0	0.0	0.0	1.0	1.4
China	19.2	28.8	29.2	28.0	24.0
Costa Rica	0.0	55.0	142.5	163.0	166.0
El Salvador	95.0	105.0	161.0	151.0	204.0
Ethiopia	0.0	0.0	8.5	7.0	7.3
France	4.2	4.2	4.2	15.0	16.5
Germany	0.0	0.0	0.0	0.2	6.6
Guatemala	0.0	33.4	33.4	33.0	52.0
Iceland	44.6	50.0	170.0	322.0	575.0
Indonesia	144.8	309.8	589.5	797.0	1,179.0
Italy	545.0	631.7	785.0	790.0	843.0
Japan	214.6	413.7	546.9	535.0	535.2
Kenya	45.0	45.0	45.0	127.0	167.0
Mexico	700.0	753.0	755.0	953.0	958.0
New Zealand	283.2	286.0	437.0	435.0	628.0
Nicaragua	35.0	70.0	70.0	77.0	88.0
Papua New Guinea	0.0	0.0	0.0	39.0	56.0
Philippines	891.0	1,227.0	1,909.0	1,931.0	1,904.0
Portugal	3.0	5.0	16.0	16.0	29.0
Russia	11.0	11.0	23.0	79.0	82.0
Taiwan	n.a.	n.a.	n.a.	n.a.	3.3
Thailand	0.3	0.3	0.3	0.3	0.3
Turkey	20.6	20.4	20.4	20.4	82.0
United States	2,774.6	2,816.7	2,228.0	2,544.0	3,086.0
World Total	5,831.7	6,866.8	7,974.1	9,064.1	10,715

Notes: Data for 2010 are estimates as of May 2010; due to differences in data-gathering, 2010 country estimates from GEA do not sum exactly to World Total, which is IGA estimate; "n.a." indicates data not available.

Source: Compiled by Earth Policy Institute with 1990-2005 from International Geothermal Association (IGA), "Installed Generating Capacity," at www.geothermal-energy.org/226,installed_generating_capacity.html, updated 2 July 2010; 2010 from Alison Holm et al., Geothermal Energy International Market Update (Washington, DC: Geothermal Energy Association (GEA), May 2010), pp. 8-10.

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Cumulative Installed Geothermal Electricity-Generating Capacity in the United States, 1990-2010

Year	Cumulative Installed Capacity Megawatts
1990	2,775
1995	2,817
2000	2,228
2005	2,564
2010 *	3,086

* 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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Confirmed U.S. Geothermal Projects Under Development as of May 2010

State	Number of Projects	Expected Capacity	
		Low Range	High Range
Megawatts			
Alaska	5	35.0	35.0
California	29	1,402.8	1,765.8
Colorado	1	10.0	10.0
Hawaii	2	8.0	8.0
Idaho	9	413.0	676.0
Louisiana	2	5.3	5.3
Mississippi	1	0.1	0.1
Nevada	68	1,804.4	3,265.4
New Mexico	2	35.0	35.0
Oregon	11	242.0	373.0
Texas	1	0.4	0.4
Utah	20	628.0	883.0
Wyoming	1	0.3	0.3
Total	152	4,584.3	7,057.3

Source: Alison Holm et al., *Geothermal Energy International Market Update* (Washington, DC: Geothermal Energy Association, May 2010), pp. 47–48.

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