

Appendix A

Smart Grid Assessment Ordinal Scores

	Google	LEED	% Renewable	HHI	Loss %	EV's	Patents
Australia	10	6	2	3	7	1	9
Austria	7	3	10	4	7	5	6
Belgium	7	2	4	6	8	4	2
Brazil	4	8	10	2	1	1	4
Canada	9	10	9	5	4	1	9
Chile	1	7	7	9	7	1	5
China	6	10	6	2	7	2	8
Czech Republic	1	6	2	4	5	1	3
Denmark	6	5	8	8	6	6	6
Estonia	1	1	4	1	1	8	1
Finland	3	6	8	10	9	4	7
France	6	7	4	2	4	8	6
Germany	9	8	6	9	9	5	8
Greece	4	5	5	7	10	1	1
Hungary	1	4	1	7	2	1	2
Iceland	1	1	10	2	10	9	4
India	10	9	5	3	1	1	1
Ireland	8	5	6	5	4	2	3
Israel	1	4	1	4	10	1	9
Italy	7	9	7	10	6	3	5
Japan	4	8	3	9	8	9	10
Korea	10	10	1	7	9	1	10
Luxembourg	1	2	2	3	10	1	7
Mexico	3	9	5	7	1	1	4
Netherlands	8	5	4	5	9	10	5
New Zealand	10	3	9	6	5	1	10
Norway	6	1	10	1	3	10	7
Poland	5	7	2	1	4	1	3
Portugal	4	3	8	10	2	4	2
Slovak Republic	1	2	6	6	8	1	1
Slovenia	1	2	7	8	5	1	9
South Africa	5	2	1	1	2	1	4
Spain	7	8	7	10	2	4	2
Sweden	5	6	9	5	3	7	6
Switzerland	8	5	9	4	5	6	8
United Kingdom	9	9	3	8	3	4	7
United States	9	10	3	9	6	7	10

Smart Grid Assesment Ordinal Scores

	SAIDI	Elec. Effic.	CO2	Elec. Intensity	Res. Price
Australia	3	4	1	4	7
Austria	8	7	8	7	2
Belgium	8	7	7	6	3
Brazil	1	1	9	5	4
Canada	2	2	9	1	10
Chile	2	9	4	7	7
China	1	4	2	2	8
Czech Republic	5	5	3	4	5
Denmark	10	6	7	10	1
Estonia	4	1	1	3	9
Finland	7	10	9	1	6
France	7	3	9	5	8
Germany	10	8	4	8	1
Greece	4	9	2	6	7
Hungary	6	3	7	7	5
Iceland	9	10	10	1	10
India	1	1	1	8	9
Ireland	5	6	5	10	2
Israel	5	10	2	5	8
Italy	4	5	5	9	1
Japan	9	9	3	4	2
Korea	10	9	3	2	10
Luxembourg	10	10	6	10	5
Mexico	7	1	5	10	10
Netherlands	9	7	5	9	3
New Zealand	3	7	8	3	4
Norway	7	2	10	1	9
Poland	2	2	2	8	6
Portugal	5	4	6	6	2
Slovak Republic	3	6	8	6	3
Slovenia	4	8	6	4	6
South Africa	1	2	1	2	7
Spain	8	3	7	7	1
Sweden	6	5	10	2	4
Switzerland	9	8	10	9	5
United Kingdom	6	5	4	9	4
United States	2	6	4	3	9

Smart Grid Progression Plot Area

Progression Area (sorted alphabetically)	
Australia	65.00
Austria	107.00
Belgium	84.00
Brazil	58.50
Canada	101.75
Chile	85.50
China	66.00
Czech Republic	36.50
Denmark	125.50
Estonia	18.50
Finland	135.50
France	97.25
Germany	145.25
Greece	75.25
Hungary	43.25
Iceland	108.25
India	82.00
Ireland	73.75
Israel	61.00
Italy	103.75
Japan	135.75
Korea	135.50
Luxembourg	101.00
Mexico	84.75
Netherlands	126.00
New Zealand	84.75
Norway	71.25
Poland	42.50
Portugal	65.50
Slovak Republic	61.25
Slovenia	74.00
South Africa	20.00
Spain	85.50
Sweden	92.75
Switzerland	154.50
United Kingdom	99.00
United States	122.25

Progression Area (sorted numerically)	
Switzerland	154.50
Germany	145.25
Japan	135.75
Finland	135.50
Korea	135.50
Netherlands	126.00
Denmark	125.50
United States	122.25
Iceland	108.25
Austria	107.00
Italy	103.75
Canada	101.75
Luxembourg	101.00
United Kingdom	99.00
France	97.25
Sweden	92.75
Chile	85.50
Spain	85.50
Mexico	84.75
New Zealand	84.75
Belgium	84.00
India	82.00
Greece	75.25
Slovenia	74.00
Ireland	73.75
Norway	71.25
China	66.00
Portugal	65.50
Australia	65.00
Slovak Republic	61.25
Israel	61.00
Brazil	58.50
Hungary	43.25
Poland	42.50
Czech Republic	36.50
South Africa	20.00
Estonia	18.50

Google Search Trend Data

	Smart Grid	Smart Energy	Smart Power	Total Score	Ordinal Score
Australia	24	72	49	145	10
Austria	33	19	0	52	7
Belgium	22	27	0	49	7
Brazil	14	5	5	24	4
Canada	28	34	54	116	9
Chile	0	0	0	0	1
China	21	8	9	38	6
Czech Republic	0	0	0	0	1
Denmark	34	0	0	34	6
Estonia	0	0	0	0	1
Finland	18	0	0	18	3
France	22	6	6	34	6
Germany	40	15	15	70	9
Greece	0	0	24	24	4
Hungary	0	0	0	0	1
Iceland	0	0	0	0	1
India	69	29	42	140	10
Ireland	0	34	34	68	8
Israel	0	0	0	0	1
Italy	23	13	11	47	7
Japan	11	8	5	24	4
Korea	100	27	20	147	10
Luxembourg	0	0	0	0	1
Mexico	5	0	6	11	3
Netherlands	24	18	14	56	8
New Zealand	0	100	49	149	10
Norway	31	0	0	31	6
Poland	10	6	9	25	5
Portugal	0	0	20	20	4
Slovak Republic	0	0	0	0	1
Slovenia	0	0	0	0	1
South Africa	0	0	25	25	5
Spain	10	21	8	39	7
Sweden	18	0	10	28	5
Switzerland	36	17	0	53	8
United Kingdom	18	51	27	96	9
United States	41	42	40	123	9

Source: www.google.com/trends, data retrived 12/2014

LEED Certification Data

	LEED Certified Professionals	Ordinal Score
Australia	61	6
Austria	16	3
Belgium	6	2
Brazil	216	8
Canada	6,361	10
Chile	75	7
China	779	10
Czech Republic	43	6
Denmark	24	5
Estonia	1	1
Finland	67	6
France	106	7
Germany	150	8
Greece	24	5
Hungary	22	4
Iceland	0	1
India	397	9
Ireland	30	5
Israel	19	4
Italy	221	9
Japan	134	8
Korea	874	10
Luxembourg	2	2
Mexico	221	9
Netherlands	27	5
New Zealand	12	3
Norway	0	1
Poland	76	7
Portugal	16	3
Slovak Republic	6	2
Slovenia	2	2
South Africa	8	2
Spain	197	8
Sweden	56	6
Switzerland	24	5
United Kingdom	354	9
United States	83,120	10

Source: LEED In Motion: People and Progress (June 2013)

http://www.usgbc.org/sites/default/files/LEEDReport_PeopleProgress.pdf

Share of Electricity Production from Renewable Sources

	% Renewable	Ordinal Score
Australia	9.60	2
Austria	74.50	10
Belgium	12.80	4
Brazil*	82.47	10
Canada	63.20	9
Chile	36.40	7
China*	20.41	6
Czech Republic	9.30	2
Denmark	48.30	8
Estonia	12.30	4
Finland	40.50	8
France	14.90	4
Germany	22.90	6
Greece	16.70	5
Hungary	7.60	1
Iceland	100.00	10
India*	15.67	5
Ireland	19.20	6
Israel	0.80	1
Italy	31.00	7
Japan	12.00	3
Korea	1.30	1
Luxembourg	11.00	2
Mexico	15.00	5
Netherlands	12.20	4
New Zealand	71.80	9
Norway	98.00	10
Poland	10.40	2
Portugal	42.50	8
Slovak Republic	19.30	6
Slovenia	27.80	7
South Africa*	2.06	1
Spain	29.60	7
Sweden	59.10	9
Switzerland	59.50	9
United Kingdom	11.40	3
United States	12.00	3

Source: Renewables Data, 2014 Edition (Part III, Table 3, 2012 Data) by IEA Statistics

*IEA Electricity and Heat Statistics Online, 2012 Data

Note: Renewable sources include hydroelectricity, geothermal, solar thermal, solar PV, tide, wind, renewable municipal waste, solid biofuels, liquid biofuels and biogases.

Diversity Index

	HHI	Ordinal Score
Australia	0.5173	3
Austria	0.4637	4
Belgium	0.3301	6
Brazil	0.5799	2
Canada	0.4044	5
Chile	0.2619	9
China	0.6050	2
Czech Republic	0.4135	4
Denmark	0.2772	8
Estonia	0.7539	1
Finland	0.2272	10
France	0.5862	2
Germany	0.2664	9
Greece	0.3282	7
Hungary	0.3196	7
Iceland	0.5825	2
India	0.5267	3
Ireland	0.3566	5
Israel	0.4498	4
Italy	0.2540	10
Japan	0.2724	9
Korea	0.3257	7
Luxembourg	0.4795	3
Mexico	0.3266	7
Netherlands	0.3787	5
New Zealand	0.3366	6
Norway	0.9348	1
Poland	0.7150	1
Portugal	0.2071	10
Slovak Republic	0.3481	6
Slovenia	0.2970	8
South Africa	0.8641	1
Spain	0.1778	10
Sweden	0.3814	5
Switzerland	0.4678	4
United Kingdom	0.2758	8
United States	0.2749	9

Source: Electricity Information, 2014 Edition (Part III - Table 1.2 and 1.3, Part IV - Country.3) by IEA Statistics

Loss Percentage Data

	T&D Losses (TWh)	Supply (TWh)	Loss %	Ordinal Score
Australia	12.6	233.8	5.39%	7
Austria	3.7	68.2	5.43%	7
Belgium	4.1	88.1	4.65%	8
Brazil*	94.4	586.6	16.09%	1
Canada	44.8	576.5	7.77%	4
Chile	3.5	65.8	5.32%	7
China*	295.3	4665.1	6.33%	7
Czech Republic	4.2	63	6.67%	5
Denmark	2.2	34.3	6.41%	6
Estonia	0.9	8.3	10.84%	1
Finland	2.9	85	3.41%	9
France	37.7	488.6	7.72%	4
Germany	24.6	564.1	4.36%	9
Greece	1.6	55.2	2.90%	10
Hungary	3.7	40.3	9.18%	2
Iceland	0.5	17	2.94%	10
India*	192.6	1061.3	18.15%	1
Ireland	2.0	26.5	7.55%	4
Israel	1.7	53.4	3.18%	10
Italy	21.0	328.2	6.40%	6
Japan	45.4	982.4	4.62%	8
Korea	17.3	509.6	3.39%	9
Luxembourg	0.1	6.4	1.56%	10
Mexico	44.1	277.2	15.91%	1
Netherlands	4.5	115.8	3.89%	9
New Zealand	3.0	42.8	7.01%	5
Norway	11.3	127	8.90%	3
Poland	10.9	144.1	7.56%	4
Portugal	4.7	51.8	9.07%	2
Slovak Republic	1.3	26.2	4.96%	8
Slovenia	0.9	13.5	6.67%	5
South Africa*	22.4	234.2	9.56%	2
Spain	25.7	270.4	9.50%	2
Sweden	11.0	141.3	7.78%	3
Switzerland	4.6	63.6	7.23%	5
United Kingdom	28.6	353.9	8.08%	3
United States	268.8	4099.7	6.56%	6

Source: Electricity Information, 2014 Edition (Part III - Table 1.1) by IEA Statistics

*IEA Electricity and Heat Statistics Online, 2012 Data

Annual Electric Vehicle Market Share

	Annual Market Share	Ordinal Score
Australia¹	0.00%	1
Austria	0.26%	5
Belgium	0.17%	4
Brazil²	0.00%	1
Canada³	0.00%	1
Chile⁴	0.00%	1
China⁵	0.06%	2
Czech Republic⁶	0.00%	1
Denmark	0.29%	6
Estonia	0.73%	8
Finland	0.17%	4
France	0.83%	8
Germany	0.23%	5
Greece⁷	0.00%	1
Hungary⁸	0.00%	1
Iceland	0.94%	9
India⁹	0.00%	1
Ireland	0.08%	2
Israel¹⁰	0.00%	1
Italy	0.11%	3
Japan	0.91%	9
Korea¹¹	0.00%	1
Luxembourg¹²	0.00%	1
Mexico¹³	0.00%	1
Netherlands	5.55%	10
New Zealand¹⁴	0.00%	1
Norway	6.10%	10
Poland¹⁵	0.00%	1
Portugal	0.21%	4
Slovak Republic¹⁶	0.00%	1
Slovenia¹⁷	0.00%	1
South Africa¹⁸	0%	1
Spain	0.18%	4
Sweden	0.71%	7
Switzerland	0.44%	6
United Kingdom	0.17%	4
United States	0.60%	7

Annual Electric Vehicle Market Share

- Source:** <http://www.abb-conversations.com/2014/03/electric-vehicle-market-share-in-19-countries/>
- 1: <http://www.abs.gov.au/ausstats/abs@.nsf/mf/9309.0>
 - 2: <http://www.anfavea.com.br/cartas/Carta330.pdf>
 - 3: http://www.greencarreports.com/news/1081799_plug-in-electric-car-sales-in-canada-a-2012-review
 - 4: http://www.ecofys.com/files/files/ecofys_2012_nama_e-mobility_readiness_plan_chile.pdf
 - 5: <http://blogs.wsj.com/chinarealtime/2013/11/27/china-hopes-cities-can-help-boost-electric-car-sales/>
 - 6: <http://www.cleanvehicle.eu/info-per-country-and-eu-policy/member-states/czech-republic/national-level/>
 - 7: http://www.theicct.org/sites/default/files/publications/EU_vehiclemarket_pocketbook_2013_Web.pdf
 - 8: http://www.acea.be/uploads/press_releases_files/ACEA_Electric_Vehicle_registrations_Q4_14-13.pdf
 - 9: http://www.business-standard.com/article/companies/how-india-s-e-vehicle-dream-crashed-into-the-subsidy-wall-114082600021_1.html
 - 10: <http://www.plugincars.com/better-place-pulled-down-israel-and-denmark-electric-car-market-say-local-drivers-129094.html>
 - 11: http://www.greencarreports.com/news/1095365_want-24800-in-incentives-to-drive-electric-cars-head-for-korea
 - 12: http://www.theicct.org/sites/default/files/publications/EU_vehiclemarket_pocketbook_2013_Web.pdf
 - 13: <http://www.hybridcars.com/mexicos-leaf-taxi-pilot-program-well-received/>
 - 14: <http://www.stuff.co.nz/dominion-post/news/local-papers/hutt-news/7979411/Alternative-energy-expo-comes-to-Wellington>
 - 15: <http://www.cleanvehicle.eu/info-per-country-and-eu-policy/member-states/poland/national-level/>
 - 16: <http://www.cleanvehicle.eu/info-per-country-and-eu-policy/member-states/slovakia/national-level/>
 - 17: <http://www.city-center.si/en/about-citycenter/charging-station-for-electric-vehicles>
 - 18: <http://www.moneyweb.co.za/archive/sas-first-electric-car-goes-on-sale/>

Research Patents

	Patent Applications (Residents and Nonresidents)	Population	Patent %	Ordinal Score
Australia	26,358	22,723,900	0.37780%	9
Austria	2,552	8,429,991	0.26873%	6
Belgium	882	11,128,246	0.17294%	2
Brazil	30,116	198,656,019	0.16014%	4
Canada	35,242	34,754,312	0.11608%	9
Chile	3,019	17,464,814	0.11599%	5
China	652,777	1,350,695,000	0.10140%	8
Czech Republic	1,017	10,510,785	0.08586%	3
Denmark	1,635	5,591,572	0.07627%	6
Estonia	25	1,325,016	0.04833%	1
Finland	1,827	5,413,971	0.03736%	7
France	16,632	65,676,758	0.03648%	6
Germany	61,340	80,425,823	0.03375%	8
Greece	656	11,092,771	0.03116%	1
Hungary	758	9,920,362	0.03032%	2
Iceland	44	320,716	0.03027%	4
India	43,955	1,236,686,732	0.02924%	1
Ireland	555	4,586,897	0.02559%	3
Israel	6,792	7,910,500	0.02532%	9
Italy	9,310	59,539,717	0.01729%	5
Japan	342,796	127,561,489	0.01619%	10
Korea, Rep.	188,915	50,004,441	0.01564%	10
Luxembourg	161	530,946	0.01516%	7
Mexico	15,314	120,847,477	0.01424%	4
Netherlands	2,713	16,754,962	0.01372%	5
New Zealand	7,099	4,433,000	0.01267%	10
Norway	1,564	5,018,573	0.01210%	7
Poland	4,657	38,535,873	0.01208%	3
Portugal	647	10,514,844	0.00968%	2
Slovak Republic	203	5,407,579	0.00793%	1
Slovenia*	2,388	2,057,159	0.00764%	9
South Africa	7,444	52,274,945	0.00743%	4
Spain	3,475	46,761,264	0.00631%	2
Sweden	2,436	9,519,374	0.00615%	6
Switzerland	4,666	73,997,128	0.00591%	8
United Kingdom	542,815	313,873,685	0.00355%	7
United States	2,988	7,996,861	0.00189%	10

Source: <http://data.worldbank.org/data-catalog/world-development-indicators>

*<http://www2.uil-sipo.si/dse.htm>

System Average Interruption Duration Index (SAIDI)

Minutes/Customer

	SAIDI	Ordinal Score
Australia¹	200.00	3
Austria	44.51	8
Belgium	39.45	8
Brazil²	1,119.60	1
Canada³	279.60	2
Chile^{4, d}	660.00	2
China⁵	851.70	1
Czech Republic	125.20	5
Denmark	14.75	10
Estonia	170.90	4
Finland	68.00	7
France	62.90	7
Germany	17.37	10
Greece	150.00	4
Hungary	76.89	6
Iceland^{6, a}	33.60	9
India⁷	21,923.64	1
Ireland^a	110.00	5
Israel^{8, b}	132.00	5
Italy	132.70	4
Japan⁹	37.00	9
Korea^{10, a}	13.40	10
Luxembourg	10.00	10
Mexico¹¹	65.70	7
Netherlands	27.00	9
New Zealand^{12, b}	189.83	3
Norway	66.00	7
Poland	263.20	2
Portugal	94.15	5
Slovak Republic^c	187.10	3
Slovenia	169.00	4
South Africa¹³	2,745.00	1
Spain^b	58.20	8
Sweden	89.01	6
Switzerland	22.00	9
United Kingdom	68.05	6
United States^{14, c}	229.94	2

System Average Interruption Duration Index (SAIDI)

Source: Council of European Energy Regulators (CEER) Benchmarking Report 5.2 on the continuity of electricity supply - 12 February 2015

a - 2010 Data, b - 2011 Data, c - 2013 Data, d - 2005 data

(1) State of the Energy Market 2013 - Chapter 2 Electricity Networks, Australia Energy Regulator

<http://www.aer.gov.au/sites/default/files/Chapter%202%20-%20Electricity%20networks%20A4.pdf>

(2) Quality Indicators, ANEEL http://www.aneel.gov.br/aplicacoes/indicadores_de_qualidade/pesquisaGeral.cfm

(3) 2013 Service Continuity Data on Distribution System Performance in Electric Utilities, Canadian Electricity Association

http://www.powerstream.ca/ContentMgr/attachments/F-SEC-11_Appendix_A.pdf

(4) Power Market Structure: Revisiting Policy Options

<http://www->

wds.worldbank.org/external/default/WDSContentServer/IW3P/IB/2013/03/22/000445729_20130322120523/Rendered/PDF/761790PUB0EPI00LIC00pubdate03014013.pdf

(5) Corporate Social Responsibility Report 2012, State Grid Corporation of China

<http://www->

wds.worldbank.org/external/default/WDSContentServer/IW3P/IB/2013/03/22/000445729_20130322120523/Rendered/PDF/761790PUB0EPI00LIC00pubdate03014013.pdf

Note: This data is representative. SGCC only represent 88% of China's electricity needs.

(6) 2011 Report on Regulation and the Electricity Market, National Energy Authority in Iceland

<http://www.energy->

regulators.eu/portal/page/portal/EER_HOME/EER_PUBLICATIONS/NATIONAL_REPORTS/National%20Reportin g%202011/NR_En/C11_NR_Iceland-EN.pdf

(7) Reliability Index of the Cities/Towns/Villages - DISCOM WISE, State Electricity Regulatory Commissions

http://www.cea.nic.in/reports/yearly/reliability_indices/rel_ind_2012_13.pdf

(8) Israel Electric Corporation Strategic Aspects Overview

https://www.iec.co.il/en/ir/documents/iecs_presentation.pdf

(9) FEPC Infobase - Page 39, Federation of Electric Power Companies of Japan

<http://www.fepc.or.jp/library/data/infobase/pdf/infobase2014.pdf>

(10) KEPCO Transmission and Distribution Overview, Korea Electric Power Corporation

<http://home.kepco.co.kr/kepco/EN/B/htmlView/ENBDHP001.do?menuCd=EN020401>

(11) National Electricity Sector, Secretary of Energy

<http://egob2.energia.gob.mx/portal/electricidad.html>

(12) Electricity Distributor's Performance from 2008 to 2011: Data and Calculations, New Zealand Commerce Commission

<http://www.comcom.govt.nz/regulated-industries/electricity/electricity-distributors-performance-from-2008-to-2011/#Endofpage>

(13) 2012 Eskom Integrated Report: Distribution, Eskom

http://financialresults.co.za/2012/eskom_ar2012/integrated-report/distribution.php

(14) 2013 Form EIA-861, U.E. Energy Information Administration

<http://www.eia.gov/electricity/data/eia861/index.html>

Electricity Efficiency

	Electricity Supply (TWh)	Electricity Consumption (TWh)	Electricity Efficiency	Ordinal Score
Australia	233.80	209.30	89.52%	4
Austria	68.20	63.00	92.38%	7
Belgium	88.10	81.30	92.28%	7
Brazil	586.60	472.90	80.62%	1
Canada	576.50	501.90	87.06%	2
Chile	65.80	61.60	93.62%	9
China	4665.10	4171.80	89.43%	4
Czech Republic	63.00	56.70	90.00%	5
Denmark	34.30	31.10	90.67%	6
Estonia	8.30	7.00	84.34%	1
Finland	85.00	80.80	95.06%	10
France	488.60	430.80	88.17%	3
Germany	564.10	525.80	93.21%	8
Greece	55.20	52.00	94.20%	9
Hungary	40.30	35.20	87.34%	3
Iceland	17.00	16.40	96.47%	10
India	1061.30	868.80	81.86%	1
Ireland	26.50	24.30	91.70%	6
Israel	53.40	51.30	96.07%	10
Italy	328.20	296.70	90.40%	5
Japan	982.40	922.70	93.92%	9
Korea	509.60	481.10	94.41%	9
Luxembourg	6.40	6.30	98.44%	10
Mexico	277.20	227.10	81.93%	1
Netherlands	115.80	106.50	91.97%	7
New Zealand	42.80	39.30	91.82%	7
Norway	127.00	108.80	85.67%	2
Poland	144.10	122.60	85.08%	2
Portugal	51.80	46.20	89.19%	4
Slovak Republic	26.20	23.90	91.22%	6
Slovenia	13.50	12.50	92.59%	8
South Africa	234.20	199.90	85.35%	2
Spain	270.40	239.40	88.54%	3
Sweden	141.30	127.30	90.09%	5
Switzerland	63.60	59.00	92.77%	8
United Kingdom	353.90	317.60	89.74%	5
United States	4099.70	3726.80	90.90%	6

Source: Electricity Information, 2014 Edition (Part III, Table 1.1,) by IEA Statistics

*IEA Electricity and Heat Statistics Online, 2012 Data

CO₂ Emissions/kWh from Electricity Generation

	CO ₂ Emissions/kWh	Ordinal Score
Australia	799	1
Austria	165	8
Belgium	212	7
Brazil	98	9
Canada	151	9
Chile	483	4
China	734	2
Czech Republic	552	3
Denmark	257	7
Estonia	912	1
Finland	134	9
France	69	9
Germany	475	4
Greece	685	2
Hungary	314	7
Iceland	0	10
India	926	1
Ireland	457	5
Israel	767	2
Italy	385	5
Japan	551	3
Korea	540	3
Luxembourg	340	6
Mexico	453	5
Netherlands	441	5
New Zealand	173	8
Norway	8	10
Poland	756	2
Portugal	364	6
Slovak Republic	194	8
Slovenia	331	6
South Africa	914	1
Spain	305	7
Sweden	12	10
Switzerland	28	10
United Kingdom	479	4
United States	481	4

Source: CO₂ Emissions from Fuel Combustion, 2014 Edition (Table II.63) by IEA Statistics

Electricity Intensity Data

GDP/kWh Electricity using 2011 PPP's

	Electricity Supply ¹ (kWh)	GDP using PPP's ² (Constant 2011 International \$)	Electricit Intensity (GDP/ kWh)	Ordinal Score
Australia	2.34E+11	9.65E+11	4.126	4
Austria	6.82E+10	3.64E+11	5.332	7
Belgium	8.81E+10	4.40E+11	4.989	6
Brazil*	5.87E+11	2.85E+12	4.851	5
Canada	5.77E+11	1.44E+12	2.504	1
Chile	6.58E+10	3.68E+11	5.587	7
China*	4.67E+12	1.45E+13	3.114	2
Czech Republic	6.30E+10	2.81E+11	4.460	4
Denmark	3.43E+10	2.32E+11	6.769	10
Estonia	8.30E+09	3.22E+10	3.875	3
Finland	8.50E+10	2.06E+11	2.423	1
France	4.89E+11	2.37E+12	4.850	5
Germany	5.64E+11	3.38E+12	5.983	8
Greece	5.52E+10	2.80E+11	5.070	6
Hungary	4.03E+10	2.20E+11	5.454	7
Iceland	1.70E+10	1.24E+10	0.728	1
India*	1.06E+12	6.25E+12	5.885	8
Ireland	2.65E+10	1.97E+11	7.429	10
Israel	5.34E+10	2.42E+11	4.533	5
Italy	3.28E+11	2.01E+12	6.116	9
Japan	9.82E+11	4.45E+12	4.529	4
Korea	5.10E+11	1.60E+12	3.130	2
Luxembourg	6.40E+09	4.60E+10	7.183	10
Mexico	2.77E+11	1.97E+12	7.113	10
Netherlands	1.16E+11	7.11E+11	6.142	9
New Zealand	4.28E+10	1.43E+11	3.344	3
Norway	1.27E+11	3.15E+11	2.484	1
Poland	1.44E+11	8.54E+11	5.927	8
Portugal	5.18E+10	2.64E+11	5.094	6
Slovak Republic	2.62E+10	1.38E+11	5.271	6
Slovenia	1.35E+10	5.63E+10	4.173	4
South Africa*	2.34E+11	6.29E+11	2.688	2
Spain	2.70E+11	1.46E+12	5.395	7
Sweden	1.41E+11	3.98E+11	2.819	2
Switzerland	6.36E+10	4.10E+11	6.449	9
United Kingdom	3.54E+11	2.21E+12	6.238	9
United States	4.10E+12	1.60E+13	3.894	3

(1) Electricity Information, 2014 Edition (Part III, Table 1.1,) by IEA Statistics

(2) The World Bank data.worldbank.org

*IEA Electricity and Heat Statistics Online, 2012 Data

Residential Electricity Prices

US Dollars/MWh using 2011 PPP's

	Price/MWh	Ordinal Score
Australia¹	\$ 178.68	7
Austria	\$ 253.92	2
Belgium	\$ 249.94	3
Brazil²	\$ 226.68	4
Canada	\$ 104.77	10
Chile	\$ 185.38	7
China³	162.578437	8
Czech Republic	\$ 198.95	5
Denmark	\$ 383.43	1
Estonia	\$ 138.95	9
Finland	\$ 194.87	6
France	\$ 175.14	8
Germany	\$ 338.75	1
Greece	\$ 180.53	7
Hungary	\$ 204.16	5
Iceland⁴	\$ 68.44	10
India⁵	\$ 120.79	9
Ireland	\$ 270.32	2
Israel	\$ 151.62	8
Italy	\$ 288.40	1
Japan	\$ 276.76	2
Korea	\$ 93.08	10
Luxembourg	\$ 209.25	5
Mexico	\$ 90.20	10
Netherlands	\$ 238.24	3
New Zealand	\$ 216.50	4
Norway	\$ 135.98	9
Poland	\$ 190.87	6
Portugal	\$ 260.67	2
Slovak Republic	\$ 229.64	3
Slovenia	\$ 193.44	6
South Africa⁶	\$ 187.72	7
Spain*	\$ 295.11	1
Sweden	\$ 223.96	4
Switzerland	\$ 204.16	5
United Kingdom	\$ 217.80	4
United States	\$ 118.79	9

Source: Energy Prices and Taxes, 3rd Quarter 2014 Edition (Part D - Table 21, 2012 Data) by IEA Statistics

(1) <http://www.aemc.gov.au/getattachment/fe3d2519-026d-4f01-bdd4-d65ddfae51c3/2013-Residential-Electricity-Price-Trends-Final-Re.aspx>

Residential Electricity Prices

(2)

http://relatorios.aneel.gov.br/_layouts/xlviewer.aspx?id=/RelatoriosSAS/RelSampRegCC.xlsx&Source=http://relatorios.aneel.gov.br/RelatoriosSAS/Forms/AllItems.aspx&DefaultItemOpen=1

(3) 2010 data - <https://china.lbl.gov/sites/all/files/key-china-energy-statistics-2012-june-2012.pdf>

(4) <http://www.or.is/vorur-thjonusta/rafmagn/verdiskra>

(5) http://www.cea.nic.in/reports/articles/eandc/tariff_2014.pdf

(6) http://www.eskom.co.za/CustomerCare/TariffsAndCharges/Documents/Tariff_brochure_20112.pdf

(7) PPP Chart - <http://siteresources.worldbank.org/ICPEXT/Resources/2011-ICP-Global-Report.pdf>

*2011 data