

3rd pillar Infrastructure

3.01 Electricity production

Electricity production (kWh) per capita | 2011 or most recent

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Iceland ²	54,718.2	73	Croatia	2,500.1
2	Norway ²	29,246.0	74	Mexico ²	2,449.5
3	Canada ²	18,577.6	75	Jordan	2,369.7
4	Kuwait	18,388.0	76	Thailand	2,343.0
5	Sweden ²	17,378.2	77	Georgia	2,273.7
6	Qatar	16,081.4	78	Azerbaijan	2,212.3
7	United States ²	13,641.5	79	Panama	2,100.6
8	Finland ²	12,998.2	80	Costa Rica	2,075.5
9	United Arab Emirates	11,107.7	81	Tajikistan	2,075.4
10	Australia ²	11,101.1	82	Mauritius	2,043.5
11	Taiwan, China	10,859.0	83	Egypt	1,972.3
12	Bahrain	10,694.9	84	Jamaica	1,904.2
13	Korea, Rep. ²	10,567.2	85	Mongolia	1,725.7
14	Bhutan ¹	10,084.5	86	Moldova	1,625.3
15	New Zealand ²	9,984.7	87	Tunisia	1,511.2
16	Estonia ²	9,030.8	88	Albania	1,470.0
17	Saudi Arabia	9,008.0	89	Lithuania	1,402.2
18	Singapore	8,873.8	90	Algeria	1,356.5
19	Paraguay	8,766.9	91	Peru	1,324.4
20	Switzerland ²	8,501.5	92	Colombia	1,313.2
21	France ²	8,452.4	93	Dominican Republic	1,278.6
22	Czech Republic ²	8,263.4	94	Vietnam	1,129.1
23	Japan ²	8,041.6	95	Gabon	1,109.8
24	Israel ²	7,675.1	96	El Salvador	927.9
25	Austria ²	7,647.6	97	Honduras	916.3
26	Germany ²	7,596.4	98	Guyana ¹	890.4
27	Slovenia ²	7,547.8	99	India	861.7
28	Russian Federation	7,365.9	100	Zambia	840.1
29	Oman	7,231.6	101	Morocco	775.8
30	Belgium ²	6,943.8	102	Indonesia	748.1
31	Bulgaria	6,807.4	103	Philippines	727.8
32	Trinidad and Tobago	6,651.5	104	Bolivia	699.5
33	Spain ²	6,276.6	105	Mozambique	684.7
34	Netherlands ²	6,096.8	106	Zimbabwe	668.1
35	Ireland ²	5,996.2	107	Nicaragua	647.7
36	United Kingdom ²	5,655.3	108	Namibia	644.8
37	Hong Kong SAR	5,519.3	109	Cape Verde ¹	588.6
38	Denmark ²	5,437.3	110	Lao PDR ¹	567.4
39	Puerto Rico	5,430.5	111	Sri Lanka	558.1
40	Malta	5,270.6	112	Guatemala	553.9
41	Serbia	5,256.2	113	Pakistan	540.7
42	Slovak Republic ²	5,234.3	114	Ghana	451.2
43	Kazakhstan	5,229.7	115	Swaziland ¹	415.7
44	Greece ²	5,189.4	116	Côte d'Ivoire	314.5
45	Luxembourg ²	5,164.4	117	Bangladesh	288.2
46	South Africa	5,032.5	118	Cameroon	283.4
47	Italy ²	4,944.0	119	Angola	280.0
48	Libya	4,524.5	120	Yemen	266.3
49	Malaysia	4,523.5	121	Senegal	226.1
50	Cyprus	4,414.6	122	Mauritania ¹	194.2
51	Portugal ²	4,330.6	123	Botswana	187.2
52	Montenegro	4,279.4	124	Kenya	186.8
53	Ukraine	4,265.2	125	Nigeria	164.6
54	Poland ²	4,193.5	126	Myanmar	140.0
55	Venezuela	4,137.5	127	Gambia, The ¹	136.9
56	Chile ²	3,915.6	128	Malawi ¹	131.4
57	Lebanon	3,733.9	129	Nepal	122.0
58	Barbados	3,555.7	130	Timor-Leste ²	114.6
59	China	3,508.4	131	Tanzania	114.4
60	Hungary ²	3,468.4	132	Lesotho ¹	99.6
61	Macedonia, FYR	3,268.2	133	Guinea ¹	89.1
62	Turkey ²	3,236.6	134	Cambodia	72.1
63	Argentina	3,180.9	135	Haiti	71.6
64	Iran, Islamic Rep.	3,178.1	136	Uganda ¹	70.8
65	Seychelles ¹	3,152.5	137	Ethiopia	57.7
66	Romania	3,077.3	138	Madagascar ¹	57.4
67	Uruguay	3,057.2	139	Burkina Faso ¹	43.1
68	Suriname ¹	2,990.7	140	Mali ¹	37.2
69	Latvia	2,958.7	141	Rwanda ¹	25.9
70	Kyrgyz Republic	2,748.7	142	Burundi ¹	16.5
71	Brazil	2,700.2	143	Chad ¹	8.4
72	Armenia	2,507.7			

SOURCES: The World Bank, *World Development Indicators* (retrieved November 26, 2014); US Central Intelligence Agency (CIA), *The World Factbook* (retrieved January 8, 2015)

¹ 2010 ² 2012

3.02 Mobile network coverage rate

Percentage of total population covered by a mobile network signal | 2013 or most recent

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Albania	100.0	66	Hungary	99.0
1	Armenia	100.0	66	Iceland	99.0
1	Azerbaijan	100.0	66	Ireland	99.0
1	Bahrain	100.0	66	Jordan	99.0
1	Barbados	100.0	66	Mauritius	99.0
1	Bhutan	100.0	66	Moldova	99.0
1	Bolivia	100.0	66	Morocco	99.0
1	Colombia	100.0	66	Philippines	99.0
1	Croatia	100.0	66	Portugal	99.0
1	Guatemala	100.0	66	Singapore	99.0
1	Hong Kong SAR	100.0	66	Tunisia	99.0
1	Indonesia ⁶	100.0	84	Latvia ²	98.8
1	Israel	100.0	85	Libya ⁴	98.0
1	Italy	100.0	85	Oman	98.0
1	Kuwait ⁵	100.0	85	Seychelles	98.0
1	Lithuania	100.0	85	Sri Lanka	98.0
1	Malta	100.0	89	Côte d'Ivoire	97.9
1	Montenegro ⁵	100.0	90	Kyrgyz Republic	97.6
1	Namibia	100.0	91	Dominican Republic	97.4
1	Netherlands ⁷	100.0	92	Guyana	97.1
1	Nicaragua ⁴	100.0	93	Denmark ³	97.0
1	Norway	100.0	93	New Zealand ⁷	97.0
1	Qatar	100.0	95	Peru ⁷	97.0
1	Slovak Republic	100.0	96	Swaziland ⁷	96.8
1	Suriname	100.0	97	Botswana ⁷	96.0
1	Switzerland	100.0	97	Cape Verde ⁷	96.0
1	Taiwan, China	100.0	97	Iran, Islamic Rep. ⁷	96.0
1	Thailand ⁶	100.0	97	Lao PDR	96.0
1	Trinidad and Tobago	100.0	97	Panama	96.0
1	Turkey ⁵	100.0	102	Malaysia	95.2
1	Uganda ⁷	100.0	103	Chile ⁷	95.0
1	United Arab Emirates	100.0	103	El Salvador ²	95.0
1	Uruguay	100.0	103	Jamaica ²	95.0
34	Bulgaria	100.0	103	Kazakhstan ⁵	95.0
34	Estonia	100.0	103	Russian Federation ¹	95.0
34	Sweden ⁷	100.0	103	Tanzania	95.0
37	Brazil	100.0	109	Argentina ²	94.1
37	Cyprus	100.0	110	India	93.5
39	Belgium	99.9	111	Madagascar	92.2
39	Greece	99.9	112	Pakistan ⁷	92.0
39	Japan	99.9	112	Timor-Leste ⁷	92.0
39	Korea, Rep.	99.9	114	Senegal	91.6
39	Luxembourg ³	99.9	115	Mongolia ⁷	91.3
39	Macedonia, FYR ⁵	99.9	116	Nigeria	91.2
39	Mexico	99.9	117	Angola	90.0
39	Romania	99.9	117	Venezuela ²	90.0
39	Ukraine	99.9	119	Honduras ²	89.9
39	United States ⁷	99.9	120	Kenya	89.1
49	Czech Republic	99.8	121	Ghana ⁷	87.0
49	Egypt	99.8	122	Gambia, The ²	85.0
49	Spain	99.8	123	Yemen ⁵	84.0
52	South Africa ²	99.8	123	Zimbabwe	84.0
53	Saudi Arabia	99.7	125	Burundi ⁴	83.0
54	Serbia	99.7	126	Lesotho ⁷	81.0
55	Paraguay	99.7	127	Nepal	80.6
55	Slovenia	99.7	128	Guinea ³	80.0
55	United Kingdom	99.7	129	Gabon ²	79.0
58	Malawi	99.6	130	Zambia	78.0
59	Poland	99.5	131	Ethiopia ⁷	73.0
60	Finland ³	99.5	132	Vietnam ¹	70.0
61	China ⁴	99.5	133	Costa Rica ⁴	69.5
62	Rwanda	99.3	134	Puerto Rico ⁴	68.4
63	Algeria	99.2	135	Mauritania ³	62.0
64	Lebanon ⁷	99.1	136	Burkina Faso ¹	61.1
65	Georgia ⁶	99.1	137	Cameroon ¹	58.0
66	Australia	99.0	138	Chad	36.1
66	Austria	99.0	139	Mali ¹	20.0
66	Bangladesh	99.0	140	Myanmar ⁶	2.3
66	Cambodia ⁴	99.0	n/a	Haiti	n/a
66	Canada	99.0	n/a	Mozambique	n/a
66	France ⁷	99.0	n/a	Tajikistan	n/a
66	Germany	99.0			

SOURCE: International Telecommunication Union (ITU), *ITU World Telecommunication/ICT Indicators Database 2014* (December 2014 edition)

¹ 2006 ² 2007 ³ 2008 ⁴ 2009 ⁵ 2010 ⁶ 2011 ⁷ 2012

3.03 International Internet bandwidth

International Internet bandwidth (kb/s) per Internet user | 2013 or most recent

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Luxembourg	6,445.8	73	Bahrain	25.9
2	Hong Kong SAR	1,939.5	74	Kenya	25.8
3	Malta	1,204.6	75	Hungary	24.9
4	Singapore	580.8	76	Mauritius	24.6
5	Iceland	443.2	77	Seychelles	23.7
6	Sweden	374.8	78	Côte d'Ivoire	22.7
7	United Kingdom	352.6	79	Mexico	22.6
8	Switzerland	314.1	80	Morocco	22.3
9	Denmark	261.2	81	Libya	21.5
10	Netherlands	235.0	82	Albania	21.0
11	Belgium	201.9	83	Oman	19.5
12	Suriname	201.6	84	Tunisia	19.1
13	Norway	195.9	85	Dominican Republic	18.9
14	Portugal	181.1	86	Peru	18.1
15	Finland	172.2	87	Gabon	18.1
16	Slovenia	152.7	88	Timor-Leste ²	17.5
17	France	141.5	89	Trinidad and Tobago	17.2
18	Puerto Rico ¹	136.9	90	Vietnam	15.9
19	Romania	136.6	91	Lebanon	15.4
20	Ireland	132.3	92	Paraguay	12.7
21	Austria	128.5	93	Slovak Republic	11.8
22	Bulgaria	128.2	94	Cape Verde	11.6
23	Canada	115.9	95	Guatemala	11.5
24	Moldova	115.8	96	Burundi	11.2
25	Germany	112.4	97	Venezuela	10.6
26	Czech Republic	111.2	98	Lao PDR	10.6
27	Serbia	108.9	99	Guyana	10.2
28	Spain	102.4	100	Indonesia	10.1
29	Israel	100.5	101	Honduras	10.0
30	Lithuania	99.6	102	Kuwait	9.8
31	Italy	89.8	103	Rwanda	9.8
32	Saudi Arabia	81.1	104	Cambodia	9.3
33	Georgia	77.3	105	Bolivia	9.0
34	Montenegro	76.5	106	Namibia	9.0
35	Colombia	76.1	107	Senegal	7.3
36	Costa Rica	73.6	108	Gambia, The	7.2
37	Poland	73.0	109	Bangladesh	6.7
38	Greece	72.1	110	Ethiopia	6.7
39	Latvia	68.1	111	Botswana	6.6
40	Australia	67.1	112	Pakistan	6.5
41	Turkey	65.5	113	India	6.5
42	Taiwan, China	65.1	114	Tanzania	6.5
43	United States	64.1	115	Lesotho	5.9
44	Cyprus	63.4	116	Mali	5.9
45	Uruguay	59.9	117	Egypt	5.3
46	Mongolia	59.7	118	Ghana	5.2
47	Philippines	57.6	119	Sri Lanka	5.0
48	Armenia	55.1	120	Malawi	4.7
49	Chile	54.9	121	Iran, Islamic Rep.	4.6
50	Panama	54.3	122	Tajikistan	4.6
51	Ukraine	52.9	123	China	4.2
52	United Arab Emirates	52.3	124	Uganda	4.2
53	Barbados	52.0	125	Zambia	4.2
54	Kazakhstan	49.8	126	Jordan	4.0
55	Qatar	48.7	127	Kyrgyz Republic	3.9
56	New Zealand	45.6	128	South Africa	3.7
57	Azerbaijan	45.2	129	Zimbabwe	3.5
58	Argentina	44.3	130	Nigeria	3.4
59	Brazil	42.9	131	Angola	3.4
60	Russian Federation	41.2	132	Swaziland	3.2
61	Croatia	40.5	133	Cameroon	3.2
62	El Salvador	40.5	134	Burkina Faso	3.1
63	Japan	39.2	135	Nepal	3.0
64	Thailand	37.4	136	Mozambique	2.9
65	Macedonia, FYR	36.4	137	Bhutan	2.8
66	Nicaragua	32.6	138	Mauritania	2.6
67	Jamaica	32.3	139	Guinea	2.5
68	Korea, Rep.	30.3	140	Yemen	2.5
69	Malaysia	29.5	141	Chad	0.6
70	Estonia	29.1	142	Madagascar	0.4
71	Algeria	26.3	n/a	Haiti	n/a
72	Myanmar	26.2			

SOURCE: International Telecommunication Union (ITU), *ITU World Telecommunication/ICT Indicators Database 2014* (December 2014 edition)

¹ 2010 ² 2012

3.04 Secure Internet servers

Secure Internet servers per million population | 2013

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Iceland	2,922.6	73	Mexico	26.5
2	Netherlands	2,382.1	74	Cape Verde	26.1
3	Switzerland	2,212.8	75	Moldova	24.7
4	Luxembourg	2,190.7	76	Mongolia	22.2
5	Denmark	2,103.1	77	Peru	21.4
6	Korea, Rep.	1,994.9	78	Dominican Republic	20.4
7	Norway	1,725.7	79	El Salvador	18.8
8	Finland	1,546.9	80	Albania	18.4
9	Malta	1,469.5	81	Namibia	18.2
10	Sweden	1,439.1	82	Thailand	18.1
11	United States	1,306.0	83	Tunisia	17.0
12	Australia	1,252.3	84	Paraguay	15.4
13	United Kingdom	1,193.5	85	Guatemala	13.3
14	New Zealand	1,100.9	86	Guyana	12.5
15	Austria	1,079.3	87	Venezuela	11.1
16	Germany	1,070.9	88	Botswana	10.4
17	Canada	1,035.3	89	Gabon	9.6
18	Estonia	748.9	90	Kazakhstan	9.4
19	Belgium	737.5	91	Bhutan	9.3
20	Japan	736.7	92	Honduras	9.1
21	Ireland	718.6	93	Sri Lanka	9.0
22	Hong Kong SAR	623.6	94	Bolivia	8.9
23	Cyprus	621.3	95	Swaziland	8.8
24	Seychelles	616.8	96	Azerbaijan	8.5
25	Singapore	609.3	97	Nicaragua	8.4
26	Czech Republic	563.5	98	Vietnam	8.2
27	Slovenia	547.4	99	Philippines	8.1
28	France	486.1	100	Kyrgyz Republic	5.4
29	Barbados	340.8	101	Kenya	4.8
30	Poland	309.0	102	Gambia, The	4.3
31	Latvia	272.2	103	Indonesia	4.1
32	Israel	270.4	104	India	3.9
33	Spain	269.0	105	China	3.9
34	Slovak Republic	262.8	106	Angola	3.9
35	Lithuania	256.8	107	Morocco	3.6
36	Hungary	249.5	108	Egypt	3.5
37	Portugal	218.4	109	Libya	3.4
38	Italy	203.2	110	Zimbabwe	3.2
39	United Arab Emirates	194.2	111	Zambia	2.8
40	Croatia	193.3	112	Ghana	2.6
41	Kuwait	184.9	113	Rwanda	2.5
42	Qatar	161.9	114	Nepal	2.4
43	Bulgaria	145.9	115	Senegal	2.2
44	Bahrain	141.9	116	Mauritania	2.1
45	Greece	136.2	117	Cambodia	2.0
46	Mauritius	127.3	118	Côte d'Ivoire	2.0
47	Puerto Rico	109.0	119	Nigeria	1.7
48	Chile	93.6	120	Mozambique	1.6
49	Trinidad and Tobago	93.2	121	Algeria	1.5
50	Panama	89.8	122	Cameroon	1.5
51	South Africa	86.4	123	Pakistan	1.3
52	Costa Rica	79.0	124	Iran, Islamic Rep.	1.3
53	Uruguay	75.1	125	Tajikistan	1.2
54	Romania	69.0	126	Uganda	1.2
55	Malaysia	66.8	127	Tanzania	1.1
56	Oman	62.8	128	Haiti	1.1
57	Brazil	57.4	129	Mali	1.0
58	Macedonia, FYR	51.7	130	Lao PDR	1.0
59	Russian Federation	51.1	131	Malawi	0.9
60	Turkey	50.4	132	Timor-Leste	0.8
61	Jamaica	44.6	133	Burkina Faso	0.8
62	Lebanon	43.0	134	Bangladesh	0.8
63	Argentina	42.9	135	Yemen	0.7
64	Armenia	40.3	136	Madagascar	0.7
65	Montenegro	37.0	137	Lesotho	0.5
66	Serbia	34.8	138	Burundi	0.3
67	Saudi Arabia	34.2	139	Ethiopia	0.2
68	Colombia	33.5	140	Myanmar	0.1
69	Suriname	33.4	141	Guinea	0.1
70	Georgia	28.8	n/a	Chad	n/a
71	Jordan	26.9	n/a	Taiwan, China	n/a
72	Ukraine	26.5			

SOURCE: The World Bank, *World Development Indicators* (accessed November 26, 2014)