

# 1. Factor Conditions

## 1.1 Natural Resources

### 1.1.1 Crude oil reserves (2019)

Hard data: barrels per capita

Rank	Region	Unit	Index
1	Kuwait	24,125.98	100.00
2	U.A.E.	10,009.69	41.49
3	Saudi Arabia	7,769.81	32.21
4	Canada	4,453.43	18.46
5	Oman	1,080.00	4.48
6	Russia	554.12	2.30
7	Nigeria	180.04	0.75
8	United States	143.35	0.59
9	Malaysia	112.68	0.47
10	Australia	96.43	0.40
11	Denmark	73.56	0.30
12	Brazil	60.82	0.25
13	Mexico	50.38	0.21
14	Vietnam	45.61	0.19
15	Argentina	44.88	0.19
16	Peru	37.67	0.16
17	United Kingdom	37.41	0.16
18	Colombia	35.40	0.15
19	Egypt	32.87	0.14
20	China	18.55	0.08
21	Croatia	17.46	0.07
22	Indonesia	11.71	0.05
23	New Zealand	9.87	0.04
24	Ukraine	8.90	0.04
25	Italy	8.86	0.04
26	Chile	7.91	0.03
27	Guatemala	5.52	0.02
28	Thailand	4.63	0.02
29	Netherlands	4.28	0.02
30	Austria	4.28	0.02
31	Turkey	3.88	0.02
32	Poland	3.27	0.01
33	India	3.24	0.01
34	Spain	3.19	0.01
35	Hungary	2.09	0.01
36	Slovak Republic	1.65	0.01
37	Pakistan	1.58	0.01
38	Israel	1.41	0.01
39	Czech Republic	1.41	0.01
40	Germany	1.36	0.01
41	Philippines	1.28	0.01
42	Greece	0.93	0.00
43	France	0.92	0.00
44	Japan	0.35	0.00
45	South Africa	0.26	0.00
46	Bangladesh	0.17	0.00
47	Taiwan, China	0.10	0.00
48	Jordan	0.10	0.00
49	Morocco	0.02	0.00
50	Belgium	0.00	0.00
50	Cambodia	0.00	0.00
50	Dominican Republic	0.00	0.00
50	Finland	0.00	0.00
50	Hong Kong SAR	0.00	0.00
50	Kenya	0.00	0.00
50	Korea, Republic of	0.00	0.00
50	Panama	0.00	0.00
50	Singapore	0.00	0.00
50	Slovenia	0.00	0.00
50	Sri Lanka	0.00	0.00
50	Sweden	0.00	0.00
50	Switzerland	0.00	0.00

Source: U.S. Energy Information Administration, World Bank

## 1.1.2 Natural gas reserves (2019)

Hard data: 1000 cubic feet per capita

Rank	Region	Unit	Index
1	U.A.E.	22,014.98	100.00
2	Kuwait	14,974.75	68.02
3	Russia	11,693.47	53.12
4	Saudi Arabia	8,980.46	40.79
5	Oman	6,274.99	28.50
6	Australia	4,475.97	20.33
7	Canada	1,966.86	8.93
8	United States	1,446.57	6.57
9	Netherlands	1,415.40	6.43
10	Malaysia	1,307.21	5.94
11	Nigeria	988.77	4.49
12	Ukraine	878.67	3.99
13	Israel	686.60	3.12
14	Egypt	627.56	2.85
15	Peru	494.95	2.25
16	Indonesia	370.99	1.69
17	Argentina	279.34	1.27
18	Vietnam	256.06	1.16
19	Croatia	216.35	0.98
20	New Zealand	201.55	0.92
21	Chile	182.57	0.83
22	Denmark	166.36	0.76
23	China	152.12	0.69
24	United Kingdom	95.46	0.43
25	Thailand	92.06	0.42
26	Slovak Republic	91.67	0.42
27	Poland	82.17	0.37
28	Colombia	77.39	0.35
29	Pakistan	65.52	0.30
30	Brazil	61.90	0.28
31	Mexico	51.68	0.23
32	Bangladesh	36.54	0.17
33	India	34.62	0.16
34	Philippines	32.19	0.15
35	Italy	26.17	0.12
36	Austria	24.67	0.11
37	Jordan	21.09	0.10
38	Hungary	20.68	0.09
39	Germany	14.70	0.07
40	Czech Republic	13.12	0.06
41	Taiwan, China	9.32	0.04
42	Japan	5.84	0.03
43	Korea, Republic of	4.83	0.02
44	France	4.32	0.02
45	Greece	3.27	0.01
46	Turkey	2.04	0.01
47	Spain	1.91	0.01
48	Morocco	1.40	0.01
49	Belgium	0.00	0.00
49	Cambodia	0.00	0.00
49	Dominican Republic	0.00	0.00
49	Finland	0.00	0.00
49	Guatemala	0.00	0.00
49	Hong Kong SAR	0.00	0.00
49	Kenya	0.00	0.00
49	Panama	0.00	0.00
49	Singapore	0.00	0.00
49	Slovenia	0.00	0.00
49	South Africa	0.00	0.00
49	Sri Lanka	0.00	0.00
49	Sweden	0.00	0.00
49	Switzerland	0.00	0.00

Source: U.S. Energy Information Administration, World Bank

### 1.1.3 Coal reserves (2019)

Hard data: Tones per capita

Rank	Region	Unit	Index
1	Australia	6,478.84	100
2	New Zealand	1,698.19	26.21
3	Russia	1,238.16	19.11
4	Ukraine	853.71	13.18
5	Poland	781.85	12.07
6	United States	767.91	11.85
7	Germany	476.02	7.35
8	Hungary	328.21	5.07
9	Czech Republic	302.39	4.67
10	Greece	295.83	4.57
11	Slovenia	195.87	3.02
12	Canada	193.02	2.98
13	South Africa	186.23	2.87
14	Indonesia	162.48	2.51
15	Turkey	152.27	2.35
16	China	111.67	1.72
17	Colombia	99.72	1.54
18	India	85.46	1.32
19	Chile	68.69	1.06
20	Vietnam	38.40	0.59
21	Brazil	34.45	0.53
22	Netherlands	31.61	0.49
23	Spain	27.79	0.43
24	Slovak Republic	27.28	0.42
25	Thailand	16.83	0.26
26	Pakistan	15.60	0.24
27	Argentina	12.26	0.19
28	Mexico	10.46	0.16
29	Malaysia	7.80	0.12
30	Korea, Republic of	6.95	0.11
31	Philippines	3.68	0.06
32	Peru	3.46	0.05
33	Japan	3.06	0.05
34	Bangladesh	1.98	0.03
35	Nigeria	1.89	0.03
36	United Kingdom	0.43	0.01
37	Morocco	0.42	0.01
38	Italy	0.31	0
39	Egypt	0.18	0
40	Sweden	0.11	0
41	Taiwan, China	0.05	0
42	Austria	0.00	0
42	Belgium	0.00	0
42	Cambodia	0.00	0
42	Croatia	0.00	0
42	Denmark	0.00	0
42	Dominican Republic	0.00	0
42	Finland	0.00	0
42	France	0.00	0
42	Guatemala	0.00	0
42	Hong Kong SAR	0.00	0
42	Oman	0.00	0
42	Israel	0.00	0
42	Jordan	0.00	0
42	Kenya	0.00	0
42	Kuwait	0.00	0
42	Panama	0.00	0
42	Saudi Arabia	0.00	0
42	Singapore	0.00	0
42	Sri Lanka	0.00	0
42	Switzerland	0.00	0
42	U.A.E.	0.00	0

Source: U.S. Energy Information Administration

### 1.1.4 Land area (2018)

Hard data: sq km per 1000 people

Rank	Region	Unit	Index
1	Australia	307.77	100
2	Canada	245.38	79.72
3	Russia	113.35	36.8
4	Oman	64.09	20.79
5	Saudi Arabia	63.79	20.69
6	Argentina	61.51	19.95
7	Finland	55.08	17.86
8	New Zealand	53.90	17.48
9	Peru	40.01	12.97
10	Sweden	40.00	12.96
11	Brazil	39.90	12.93
12	Chile	39.70	12.86
13	United States	27.96	9.05
14	Colombia	22.35	7.22
15	South Africa	21.00	6.78
16	Panama	17.80	5.74
17	Mexico	15.40	4.97
18	Croatia	13.68	4.41
19	Ukraine	12.98	4.18
20	Morocco	12.39	3.99
21	Greece	12.02	3.86
22	Kenya	11.07	3.56
23	Cambodia	10.86	3.49
24	Spain	10.69	3.43
25	Malaysia	10.42	3.35
26	Egypt	10.11	3.25
27	Slovenia	9.74	3.13
28	Turkey	9.35	3
29	Austria	9.33	2.99
30	Hungary	9.27	2.97
31	Jordan	8.92	2.86
32	Slovak Republic	8.83	2.83
33	France	8.17	2.62
34	Poland	8.06	2.58
35	U.A.E.	7.37	2.36
36	Thailand	7.36	2.35
37	Czech Republic	7.27	2.32
38	Denmark	7.24	2.31
39	Indonesia	6.77	2.16
40	China	6.74	2.15
41	Guatemala	6.21	1.98
42	Italy	4.87	1.54
43	Nigeria	4.65	1.47
44	Switzerland	4.64	1.47
45	Dominican Republic	4.55	1.44
46	Kuwait	4.31	1.36
47	Germany	4.21	1.33
48	United Kingdom	3.64	1.14
49	Pakistan	3.63	1.14
50	Vietnam	3.25	1.01
51	Sri Lanka	2.89	0.9
52	Japan	2.88	0.9
53	Philippines	2.80	0.87
54	Belgium	2.65	0.82
55	Israel	2.44	0.75
56	India	2.20	0.67
57	Netherlands	1.96	0.59
58	Korea, Republic of	1.89	0.57
59	Taiwan, China	1.53	0.46
60	Bangladesh	0.81	0.22
61	Hong Kong SAR	0.14	0
62	Singapore	0.13	0

Source: World Development Indicators

Note: Taiwan (2015, 2016, 2017)

## 1.1.5 Freshwater resources (2017)

Hard Data: cubic meters per capita

Rank	Region	Unit	Index
1	Canada	77,588.82	100.00
2	New Zealand	69,544.37	89.63
3	Peru	52,187.52	67.26
4	Chile	47,914.40	61.75
5	Colombia	43,856.21	56.52
6	Panama	33,262.16	42.87
7	Russia	29,629.61	38.19
8	Brazil	27,238.11	35.11
9	Australia	20,012.51	25.79
10	Finland	19,414.41	25.02
11	Malaysia	18,646.73	24.03
12	Sweden	17,264.19	22.25
13	Croatia	9,012.98	11.62
14	Slovenia	8,991.55	11.59
15	United States	8,668.51	11.17
16	Indonesia	7,627.78	9.83
17	Cambodia	7,533.07	9.71
18	Argentina	6,645.86	8.57
19	Guatemala	6,455.82	8.32
20	Austria	6,235.90	8.04
21	Greece	5,487.51	7.07
22	Switzerland	4,777.78	6.16
23	Philippines	4,554.40	5.87
24	Vietnam	3,799.34	4.90
25	Japan	3,372.48	4.35
26	Mexico	3,277.84	4.22
27	Thailand	3,243.90	4.18
28	France	3,084.40	3.98
29	Italy	3,007.89	3.88
30	Turkey	2,798.45	3.61
31	Sri Lanka	2,499.05	3.22
32	Spain	2,383.84	3.07
33	Slovak Republic	2,312.82	2.98
34	Dominican Republic	2,235.31	2.88
35	United Kingdom	2,173.02	2.80
36	China	1,936.43	2.50
37	Poland	1,412.27	1.82
38	Germany	1,294.48	1.67
39	Korea, Republic of	1,269.17	1.64
40	Ukraine	1,238.54	1.60
41	Czech Republic	1,235.78	1.59
42	Nigeria	1,157.84	1.49
43	India	1,080.17	1.39
44	Belgium	1,050.81	1.35
45	Denmark	1,046.71	1.35
46	Taiwan, China	856.00	1.10
47	Morocco	815.04	1.05
48	South Africa	785.83	1.01
49	Bangladesh	657.54	0.85
50	Netherlands	646.25	0.83
51	Hungary	616.66	0.79
52	Kenya	412.18	0.53
53	Oman	300.05	0.39
54	Pakistan	264.54	0.34
55	Singapore	105.11	0.14
56	Israel	90.98	0.12
57	Saudi Arabia	72.50	0.09
58	Jordan	69.69	0.09
59	U.A.E.	15.81	0.02
60	Egypt	10.37	0.01
61	Hong Kong SAR	0.00	0.00
61	Kuwait	0.00	0.00

Source: EIA International Energy Statistics ([www.eia.gov](http://www.eia.gov)), CIA Factbook

Note: Primary Coal Production