

Table A9. World consumption of hydroelectricity and other renewable energy by region, Low
quadrillion British thermal units

Region	2020	2025	2030	2035	2040	2045
OECD						
OECD Americas	16.6	20.4	22.2	23.9	25.5	27.5
United States	10.3	13.9	15.1	16.1	17.0	18.3
Canada	4.4	4.5	4.9	5.2	5.5	5.7
Mexico and other OECD Americas	1.8	2.0	2.2	2.6	3.0	3.5
OECD Europe	16.1	17.6	20.2	22.7	24.9	27.8
OECD Asia	4.0	4.5	5.1	5.8	6.7	7.7
Japan	2.5	2.3	2.3	2.5	2.8	3.4
South Korea	0.4	0.5	0.6	0.9	1.3	1.4
Australia and New Zealand	1.1	1.8	2.1	2.3	2.6	2.8
Total OECD	36.7	42.5	47.5	52.3	57.1	63.0
Non-OECD						
Non-OECD Europe and Eurasia	3.5	3.5	3.6	3.8	4.1	4.4
Russia	2.0	2.0	1.9	1.9	1.9	2.0
Other Europe and Eurasia	1.5	1.6	1.7	1.9	2.2	2.4
Non-OECD Asia	33.4	47.0	56.8	64.0	73.3	83.3
China	22.1	28.9	32.7	34.8	38.0	40.4
India	5.2	10.7	15.5	19.2	23.2	28.5
Other Asia	6.2	7.4	8.7	10.0	12.2	14.4
Middle East	0.2	0.6	1.0	1.6	3.0	3.9
Africa	4.8	5.9	7.0	7.8	9.0	10.5
Non-OECD Americas	10.1	10.6	11.3	12.1	12.7	13.4
Brazil	7.2	7.4	7.7	8.1	8.5	8.9
Other Non-OECD Americas	2.9	3.3	3.6	4.1	4.2	4.5
Total Non-OECD	52.1	67.6	79.6	89.5	102.2	115.4
Total World	88.7	110.2	127.2	141.8	159.4	178.4

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im_210719.163843; and EIA, (February 2021), www.eia.gov/aeo

Notes:

* Totals may not equal sum of components due to independent rounding.

Economic Growth case

2050	Average annual percentage change, 2020–2050
29.4	1.9
19.3	2.1
6.0	1.0
4.0	2.6
30.4	2.1
8.3	2.5
3.9	1.4
1.5	4.7
2.9	3.4
68.1	2.1
4.5	0.8
2.0	-0.1
2.5	1.8
91.1	3.4
41.0	2.1
34.6	6.5
15.4	3.1
4.3	10.5
12.0	3.1
14.1	1.1
9.2	0.8
5.0	1.8
126.1	3.0
194.2	2.6

Annual Energy Outlook 2021 ,