

Table F2. Total OECD delivered energy consumption by end-use sector and fuel, High Economic Growth case

quadrillion British thermal units

Sector and fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Residential								
Liquid fuels	3.4	2.8	2.8	2.7	2.6	2.5	2.4	-1.1
Natural gas	12.2	12.1	12.2	12.2	12.3	12.3	12.4	0.1
Coal	0.6	0.6	0.5	0.5	0.5	0.5	0.5	-0.9
Electricity	10.9	11.2	11.6	12.1	12.6	13.0	13.5	0.7
Renewables	0.6	0.6	0.6	0.6	0.6	0.6	0.5	-0.4
Total	27.8	27.4	27.8	28.1	28.5	28.9	29.4	0.2
Commercial								
Liquid fuels	2.2	2.0	2.0	2.0	2.0	2.0	1.9	-0.4
Natural gas	6.9	7.3	7.4	7.5	7.6	7.6	7.7	0.4
Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-1.1
Electricity	10.4	11.4	12.0	12.5	13.0	13.7	14.5	1.1
Renewables	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Total	19.9	21.1	21.7	22.3	22.9	23.6	24.4	0.7
Industrial								
Liquid fuels	25.7	29.0	31.1	33.2	35.2	37.3	39.7	1.5
Natural gas	23.5	26.8	28.6	30.7	33.3	36.0	39.0	1.7
Coal	7.2	8.2	8.4	8.8	9.3	9.8	10.3	1.2
Electricity	10.6	12.2	13.0	13.8	14.8	15.8	16.9	1.6
Renewables	6.4	7.0	7.4	7.7	8.1	8.6	9.2	1.3
Total	73.4	83.3	88.4	94.2	100.7	107.5	115.1	1.5
Transportation								
Liquid fuels	50.6	59.2	58.7	58.4	58.9	60.2	62.1	0.7
Natural gas	1.1	1.3	1.4	1.6	2.0	2.4	3.0	3.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.4	0.7	1.1	1.6	2.3	3.0	3.6	7.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	52.2	61.2	61.1	61.6	63.2	65.6	68.7	0.9
All end-use sectors								
Liquid fuels	81.9	93.1	94.5	96.2	98.7	102.0	106.2	0.9
Natural gas	43.9	47.6	49.5	52.0	55.2	58.4	62.1	1.2
Coal	8.0	9.0	9.2	9.5	9.9	10.4	11.0	1.1
Electricity	32.4	35.5	37.6	40.1	42.7	45.5	48.5	1.4
Renewables	7.1	7.8	8.1	8.4	8.8	9.3	9.9	1.1
Delivered energy	173.3	193.1	199.0	206.3	215.3	225.7	237.7	1.1
Electricity-related losses	58.7	61.1	62.9	66.3	69.3	73.0	77.0	0.9
Discrepancy	1.0	-0.9	-0.6	-0.4	-0.4	-0.2	-0.1	0.0
Total	232.9	253.3	261.2	272.1	284.1	298.5	314.5	1.0
Electric power								
Liquid fuels	1.0	1.8	0.8	0.5	0.3	0.2	0.2	-5.0
Natural gas	23.9	23.7	24.2	24.0	24.9	25.4	26.4	0.3
Coal	18.5	16.4	15.4	15.3	14.5	14.0	13.4	-1.1
Nuclear	18.9	20.0	18.9	18.5	17.2	15.1	13.9	-1.0
Renewables	29.3	35.2	41.6	48.5	55.5	64.2	72.0	3.0
Total	91.6	97.2	101.0	106.9	112.4	119.0	125.9	1.1
Total energy consumption								
Liquid fuels	82.3	92.4	92.8	94.3	96.6	99.9	103.9	0.8
Natural gas	67.9	71.5	74.0	76.3	80.3	84.1	88.8	0.9
Coal	26.8	25.7	24.9	25.2	24.8	24.8	24.7	-0.3

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Sector and fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Nuclear	19.3	20.5	19.4	19.0	17.7	15.5	14.2	-1.0
Renewables	36.7	43.2	50.1	57.4	64.8	74.3	82.9	2.8
Total	232.9	253.3	261.2	272.1	284.1	298.5	314.5	1.0

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hm_210719.163753; and EIA, *Annual Energy Outlook 2021*, (February 2021), www.eia.gov/aeo

Notes:

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

* End-use sector electricity consumption does not include electrical system energy losses incurred in the generation, transmission, and distribution of electricity.

* End-use sector delivered energy consumption does not include electrical system energy losses incurred in the generation, transmission, and distribution of electricity.

* Electricity-related losses include energy losses during generation due to thermal efficiency, energy losses during transmission and distribution, and parasitic load.