

**Table F16. Delivered energy consumption in the Middle East by end-use sector and fuel, Low Economic Growth case**

quadrillion British thermal units

Sector and fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
<b>Residential</b>								
Liquid fuels	0.4	0.3	0.3	0.3	0.3	0.3	0.3	-0.8
Natural gas	1.8	1.7	1.8	1.8	1.9	1.9	1.9	0.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
Electricity	1.7	1.8	2.0	1.9	2.1	2.2	2.3	1.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
<b>Total</b>	<b>3.8</b>	<b>3.8</b>	<b>4.1</b>	<b>4.0</b>	<b>4.2</b>	<b>4.4</b>	<b>4.5</b>	<b>0.6</b>
<b>Commercial</b>								
Liquid fuels	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.2
Natural gas	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
<b>Total</b>	<b>1.7</b>	<b>1.8</b>	<b>1.9</b>	<b>1.8</b>	<b>2.0</b>	<b>2.0</b>	<b>2.1</b>	<b>0.7</b>
<b>Industrial</b>								
Liquid fuels	6.5	7.4	7.7	7.9	7.9	7.7	7.4	0.4
Natural gas	9.0	9.9	10.5	10.7	10.7	10.3	9.8	0.3
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.4
Electricity	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
<b>Total</b>	<b>16.1</b>	<b>18.0</b>	<b>18.8</b>	<b>19.2</b>	<b>19.2</b>	<b>18.7</b>	<b>17.8</b>	<b>0.3</b>
<b>Transportation</b>								
Liquid fuels	6.8	7.2	6.9	6.7	6.5	6.4	6.2	-0.3
Natural gas	0.1	0.1	0.2	0.2	0.3	0.4	0.5	5.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>6.9</b>	<b>7.4</b>	<b>7.1</b>	<b>6.9</b>	<b>6.9</b>	<b>6.8</b>	<b>6.7</b>	<b>-0.1</b>
<b>All end-use sectors</b>								
Liquid fuels	13.7	15.0	15.0	14.9	14.8	14.4	13.9	0.1
Natural gas	11.3	12.3	13.0	13.2	13.5	13.2	12.7	0.4
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.4
Electricity	3.3	3.5	3.8	3.7	3.9	4.2	4.3	0.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Delivered energy	28.5	31.0	31.9	31.9	32.3	31.9	31.1	0.3
Electricity-related losses	6.2	8.5	7.2	6.9	7.3	7.7	7.9	0.8
Discrepancy	0.5	-0.4	-0.2	0.0	0.1	0.1	0.2	-3.6
<b>Total</b>	<b>35.2</b>	<b>39.1</b>	<b>39.0</b>	<b>38.7</b>	<b>39.7</b>	<b>39.7</b>	<b>39.1</b>	<b>0.4</b>
<b>Electric power</b>								
Liquid fuels	1.9	2.9	1.4	0.6	0.3	0.1	0.0	-12.5
Natural gas	7.3	8.3	8.1	7.2	6.8	6.9	6.8	-0.2
Coal	0.0	0.0	0.0	0.3	0.3	0.3	0.3	--
Nuclear	0.1	0.4	0.6	0.8	0.9	0.9	0.9	9.0
Renewables	0.2	0.5	0.9	1.6	2.9	3.8	4.2	10.8
<b>Total</b>	<b>9.5</b>	<b>12.1</b>	<b>11.0</b>	<b>10.5</b>	<b>11.2</b>	<b>11.8</b>	<b>12.2</b>	<b>0.8</b>
<b>Total energy consumption</b>								
Liquid fuels	15.5	16.8	15.5	14.8	14.4	13.9	13.4	-0.5
Natural gas	19.2	21.2	21.7	21.1	20.9	20.6	20.1	0.2
Coal	0.1	0.1	0.1	0.5	0.5	0.4	0.4	3.9

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Sector and fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Nuclear	0.1	0.4	0.6	0.8	0.9	0.9	0.9	9.0
Renewables	0.2	0.6	1.0	1.6	3.0	3.9	4.3	10.5
<b>Total</b>	<b>35.2</b>	<b>39.1</b>	<b>39.0</b>	<b>38.7</b>	<b>39.7</b>	<b>39.7</b>	<b>39.1</b>	<b>0.4</b>

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im\_210719.163843; and EIA, *Annual Energy Outlook 2021*, (February 2021), [www.eia.gov/aeo](http://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.