

quadrillion British thermal units

Sector and fuel	2020	2025	2030	2035	2040	2045
Residential						
Liquid fuels	0.9	0.8	0.8	0.7	0.7	0.7
Natural gas	5.0	4.9	4.9	4.9	4.8	4.8
Coal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	5.1	5.1	5.3	5.5	5.7	5.9
Renewables	0.5	0.6	0.5	0.5	0.5	0.4
Total	11.4	11.4	11.5	11.6	11.7	11.8
Commercial						
Liquid fuels	0.8	0.8	0.8	0.8	0.8	0.8
Natural gas	3.3	3.6	3.6	3.7	3.7	3.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	4.3	4.7	4.8	5.0	5.1	5.4
Renewables	0.1	0.1	0.1	0.1	0.1	0.1
Total	8.6	9.3	9.4	9.6	9.8	10.1
Industrial						
Liquid fuels	8.3	9.3	9.9	10.6	11.1	11.6
Natural gas	10.7	12.6	13.6	14.7	15.5	16.3
Coal	0.9	0.9	0.9	0.9	0.9	0.9
Electricity	3.1	3.4	3.6	3.8	4.0	4.2
Renewables	2.4	2.5	2.6	2.7	2.8	3.0
Total	25.5	28.7	30.6	32.6	34.2	36.0
Transportation						
Liquid fuels	23.7	25.5	24.8	24.3	24.0	24.0
Natural gas	0.8	1.1	1.1	1.3	1.5	1.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.0	0.1	0.1	0.2	0.3	0.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0
Total	24.5	26.6	26.1	25.7	25.8	26.1
All end-use sectors						
Liquid fuels	33.7	36.5	36.3	36.4	36.6	37.1
Natural gas	19.8	22.2	23.3	24.5	25.5	26.5
Coal	1.0	0.9	0.9	0.9	0.9	1.0
Electricity	12.5	13.3	13.8	14.5	15.1	15.9
Renewables	3.0	3.2	3.2	3.3	3.4	3.5
Delivered energy	70.0	76.1	77.6	79.5	81.5	84.0
Electricity-related losses	23.3	23.2	22.9	23.3	23.8	24.5
Discrepancy	-0.3	-0.4	-0.3	-0.3	-0.3	-0.3
Total	92.9	98.9	100.2	102.5	105.0	108.2
Electric power						

Liquid fuels	0.2	0.1	0.1	0.1	0.1	0.1
Natural gas	12.1	10.7	9.6	10.0	10.9	11.9
Coal	8.1	6.5	6.2	5.8	5.4	5.2
Nuclear	8.2	7.8	6.7	6.3	6.3	6.4
Renewables	7.3	11.4	14.3	15.7	16.3	16.9
<b>Total</b>	<b>35.8</b>	<b>36.5</b>	<b>36.8</b>	<b>37.8</b>	<b>38.9</b>	<b>40.4</b>

#### Total energy consumption

Liquid fuels	33.5	36.3	36.1	36.1	36.3	36.9
Natural gas	31.8	32.9	32.9	34.4	36.4	38.3
Coal	9.1	7.4	7.1	6.7	6.3	6.2
Nuclear	8.2	7.8	6.7	6.3	6.3	6.4
Renewables	10.3	14.6	17.5	18.9	19.7	20.5
<b>Total</b>	<b>92.9</b>	<b>98.9</b>	<b>100.2</b>	<b>102.5</b>	<b>105.0</b>	<b>108.2</b>

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hp\_210719.163813; and EIA, (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.
- \* End-use sector delivered energy consumption does not include electrical system energy losses incurred in the generation, transmission and distribution.
- \* Electricity-related losses include energy losses during generation due to thermal efficiency, energy losses during transmission and distribution.

## Oil Price case

2050	Average annual percentage change, 2020–2050
0.6	-1.1
4.8	-0.1
0.0	0.0
6.1	0.6
0.4	-0.3
<b>12.0</b>	<b>0.2</b>
0.8	0.1
3.7	0.4
0.0	-1.2
5.7	0.9
0.1	0.0
<b>10.4</b>	<b>0.6</b>
12.2	1.3
16.9	1.5
1.0	0.3
4.4	1.2
3.2	0.9
<b>37.7</b>	<b>1.3</b>
24.2	0.1
1.9	2.9
0.0	0.0
0.5	9.4
0.0	0.0
<b>26.6</b>	<b>0.3</b>
37.9	0.4
27.3	1.1
1.0	0.3
16.8	1.0
3.7	0.7
86.7	0.7
25.3	0.3
-0.3	--
<b>111.7</b>	<b>0.6</b>

0.1	-3.4
12.8	0.2
5.2	-1.5
6.3	-0.9
17.8	3.0
42.0	0.5
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37.6	0.4
40.1	0.8
6.2	-1.3
6.3	-0.9
21.5	2.5
111.7	0.6

Annual Energy Outlook 2021 ,

n, and distribution of electricity.  
mission, and distribution of electricity.  
ind distribution, and parasitic load.