

**Appendix D**

**Reference case projections  
by end-use sector and country grouping**

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**Table D1. Total world delivered energy consumption by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	Projections						Average annual percent change, 2008-2035
	2008	2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	9.8	9.7	9.1	8.9	8.8	8.8	-0.4
Natural gas	20.8	22.3	23.3	24.3	24.8	25.4	0.8
Coal	4.4	4.5	4.6	4.6	4.5	4.4	0.0
Electricity	16.2	19.4	22.0	24.7	27.5	30.3	2.3
Renewables	0.4	0.4	0.4	0.4	0.4	0.4	-0.2
<b>Total</b>	<b>51.7</b>	<b>56.2</b>	<b>59.4</b>	<b>62.9</b>	<b>66.1</b>	<b>69.3</b>	<b>1.1</b>
<b>Commercial</b>							
Liquids	4.6	4.3	4.2	4.1	4.1	4.1	-0.4
Natural gas	8.3	9.2	9.6	10.0	10.3	10.6	0.9
Coal	1.2	1.3	1.3	1.4	1.4	1.5	0.7
Electricity	13.8	17.0	19.3	21.7	23.9	25.8	2.3
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Total</b>	<b>28.1</b>	<b>31.9</b>	<b>34.6</b>	<b>37.3</b>	<b>39.9</b>	<b>42.1</b>	<b>1.5</b>
<b>Industrial</b>							
Liquids	55.3	57.5	59.2	61.9	65.1	68.6	0.8
Natural gas	44.0	49.7	54.3	58.8	63.9	69.5	1.7
Coal	49.8	61.2	64.5	68.7	72.3	75.5	1.6
Electricity	27.9	32.4	36.3	41.1	46.1	51.4	2.3
Renewables	14.2	15.4	17.2	19.4	21.4	23.2	1.8
<b>Total</b>	<b>191.3</b>	<b>216.2</b>	<b>231.5</b>	<b>249.9</b>	<b>268.8</b>	<b>288.2</b>	<b>1.5</b>
<b>Transportation</b>							
Liquids	93.5	106.8	114.6	123.9	130.7	136.1	1.4
Natural gas	3.6	3.7	3.8	3.9	4.2	4.6	0.9
Coal	0.2	0.2	0.1	0.0	0.0	0.0	--
Electricity	0.9	1.2	1.2	1.3	1.5	1.4	1.6
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>98.2</b>	<b>111.9</b>	<b>119.9</b>	<b>129.1</b>	<b>136.5</b>	<b>142.1</b>	<b>1.4</b>
<b>All end-use sectors</b>							
Liquids	163.3	178.2	187.1	198.8	208.7	217.7	1.1
Natural gas	76.8	84.8	91.0	96.9	103.3	110.1	1.3
Coal	55.6	67.3	70.6	74.7	78.2	81.3	1.4
Electricity	58.9	70.1	78.9	88.9	99.1	108.9	2.3
Renewables	14.8	15.9	17.7	19.9	21.9	23.7	1.8
Delivered energy	<b>369.4</b>	<b>416.3</b>	<b>445.4</b>	<b>479.2</b>	<b>511.3</b>	<b>541.7</b>	<b>1.4</b>
Electricity-related losses	135.3	157.2	174.1	192.3	210.2	228.1	2.0
<b>Total</b>	<b>504.7</b>	<b>573.5</b>	<b>619.5</b>	<b>671.5</b>	<b>721.5</b>	<b>769.8</b>	<b>1.6</b>
<b>Electric power<sup>a</sup></b>							
Liquids	9.7	9.0	8.6	8.2	7.8	7.5	-0.9
Natural gas	37.5	42.5	47.0	52.5	59.0	64.6	2.0
Coal	83.4	90.0	94.0	105.0	116.4	127.8	1.6
Nuclear	27.2	33.1	38.9	43.7	47.4	51.2	2.4
Renewables	36.5	52.6	64.5	71.7	78.7	85.8	3.2
<b>Total</b>	<b>194.3</b>	<b>227.3</b>	<b>253.0</b>	<b>281.1</b>	<b>309.3</b>	<b>337.0</b>	<b>2.1</b>
<b>Total energy consumption</b>							
Liquids	173.0	187.2	195.8	207.0	216.6	225.2	1.0
Natural gas	114.3	127.3	138.0	149.4	162.3	174.7	1.6
Coal	139.0	157.3	164.6	179.7	194.7	209.1	1.5
Nuclear	27.2	33.1	38.9	43.7	47.4	51.2	2.4
Renewables	51.3	68.5	82.2	91.7	100.6	109.5	2.9
<b>Total</b>	<b>504.7</b>	<b>573.5</b>	<b>619.5</b>	<b>671.5</b>	<b>721.5</b>	<b>769.8</b>	<b>1.6</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, *Annual Energy Outlook 2011*, DOE/EIA-0383(2011) (Washington, DC: May 2011); AEO2011 National Energy Modeling System, run REF2011.D020911A, website [www.eia.gov/aeo](http://www.eia.gov/aeo), and World Energy Projection System Plus (2011).

**Table D2. Total OECD delivered energy consumption by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	4.5	3.9	3.8	3.7	3.6	3.6	-0.8
Natural gas	12.0	12.3	12.4	12.3	12.1	11.9	0.0
Coal	0.7	0.6	0.6	0.5	0.5	0.4	-1.4
Electricity	10.1	10.8	11.5	12.1	12.7	13.3	1.0
Renewables	0.4	0.4	0.4	0.4	0.4	0.4	-0.2
<b>Total</b>	<b>27.7</b>	<b>28.0</b>	<b>28.6</b>	<b>29.1</b>	<b>29.4</b>	<b>29.7</b>	<b>0.3</b>
<b>Commercial</b>							
Liquids	3.0	2.5	2.5	2.5	2.5	2.5	-0.7
Natural gas	6.6	7.1	7.3	7.3	7.3	7.4	0.4
Coal	0.2	0.2	0.2	0.2	0.2	0.2	-1.0
Electricity	10.0	11.2	12.1	13.0	14.0	15.0	1.5
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Total</b>	<b>20.0</b>	<b>21.1</b>	<b>22.2</b>	<b>23.1</b>	<b>24.1</b>	<b>25.1</b>	<b>0.8</b>
<b>Industrial</b>							
Liquids	28.1	26.2	27.0	27.4	27.6	28.0	0.0
Natural gas	19.1	20.2	21.2	21.9	22.9	24.0	0.9
Coal	9.2	8.6	8.6	8.8	9.0	9.2	0.0
Electricity	11.4	11.5	12.3	13.0	13.7	14.4	0.9
Renewables	5.3	5.4	6.1	7.0	7.6	8.0	1.6
<b>Total</b>	<b>73.0</b>	<b>72.0</b>	<b>75.2</b>	<b>78.1</b>	<b>80.7</b>	<b>83.6</b>	<b>0.5</b>
<b>Transportation</b>							
Liquids	57.9	58.7	59.6	60.5	61.7	63.3	0.3
Natural gas	1.0	1.2	1.1	1.0	1.1	1.1	0.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.4	0.5	0.4	0.4	0.5	0.5	0.6
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>59.3</b>	<b>60.4</b>	<b>61.2</b>	<b>61.9</b>	<b>63.2</b>	<b>64.8</b>	<b>0.3</b>
<b>All end-use sectors</b>							
Liquids	93.5	91.3	92.9	94.1	95.4	97.3	0.2
Natural gas	38.6	40.8	42.0	42.5	43.4	44.3	0.5
Coal	10.0	9.4	9.3	9.5	9.6	9.9	-0.1
Electricity	32.0	34.1	36.3	38.6	40.9	43.2	1.1
Renewables	5.8	5.9	6.6	7.5	8.1	8.5	1.4
<b>Delivered energy</b>	<b>180.0</b>	<b>181.5</b>	<b>187.1</b>	<b>192.2</b>	<b>197.4</b>	<b>203.2</b>	<b>0.5</b>
Electricity-related losses	64.2	68.9	73.4	77.5	81.3	85.0	1.0
<b>Total</b>	<b>244.3</b>	<b>250.4</b>	<b>260.6</b>	<b>269.8</b>	<b>278.7</b>	<b>288.2</b>	<b>0.6</b>
<b>Electric power<sup>a</sup></b>							
Liquids	3.0	2.8	2.7	2.6	2.5	2.4	-0.8
Natural gas	17.6	18.4	19.5	21.0	23.7	26.2	1.5
Coal	36.7	33.2	33.8	35.1	35.6	36.8	0.0
Nuclear	22.6	25.2	26.7	27.8	29.1	29.8	1.0
Renewables	16.3	23.4	27.1	29.6	31.3	32.9	2.6
<b>Total</b>	<b>96.2</b>	<b>103.0</b>	<b>109.8</b>	<b>116.1</b>	<b>122.2</b>	<b>128.1</b>	<b>1.1</b>
<b>Total energy consumption</b>							
Liquids	96.5	94.1	95.6	96.7	97.9	99.7	0.1
Natural gas	56.3	59.2	61.4	63.6	67.1	70.6	0.8
Coal	46.8	42.6	43.1	44.6	45.3	46.7	0.0
Nuclear	22.6	25.2	26.7	27.8	29.1	29.8	1.0
Renewables	22.1	29.3	33.6	37.1	39.4	41.4	2.4
<b>Total</b>	<b>244.3</b>	<b>250.4</b>	<b>260.6</b>	<b>269.8</b>	<b>278.7</b>	<b>288.2</b>	<b>0.6</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, *Annual Energy Outlook 2011*, DOE/EIA-0383(2011) (Washington, DC: May 2011); AEO2011 National Energy Modeling System, run REF2011.D020911A, website [www.eia.gov/aeo](http://www.eia.gov/aeo), and World Energy Projection System Plus (2011).

**Table D3. Delivered energy consumption in the United States by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	1.2	1.1	1.0	0.9	0.9	0.9	-1.2
Natural gas	5.0	4.9	5.0	5.0	5.0	4.9	-0.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-1.6
Electricity	4.7	4.6	4.8	5.0	5.2	5.5	0.6
Renewables	0.4	0.4	0.4	0.4	0.4	0.4	-0.2
<b>Total</b>	<b>11.4</b>	<b>11.0</b>	<b>11.2</b>	<b>11.3</b>	<b>11.5</b>	<b>11.7</b>	<b>0.1</b>
<b>Commercial</b>							
Liquids	0.6	0.5	0.5	0.5	0.5	0.5	-0.7
Natural gas	3.2	3.5	3.6	3.7	3.8	3.9	0.7
Coal	0.1	0.1	0.1	0.1	0.1	0.1	-0.6
Electricity	4.6	4.8	5.2	5.6	6.0	6.4	1.3
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Total</b>	<b>8.6</b>	<b>9.0</b>	<b>9.5</b>	<b>9.9</b>	<b>10.5</b>	<b>11.1</b>	<b>0.9</b>
<b>Industrial</b>							
Liquids	8.9	9.3	9.2	9.2	9.0	8.9	0.0
Natural gas	8.1	9.5	9.7	9.5	9.5	9.5	0.6
Coal	1.8	1.7	1.7	1.9	2.2	2.6	1.4
Electricity	3.4	3.5	3.6	3.5	3.4	3.3	-0.2
Renewables	2.5	2.7	3.2	4.0	4.4	4.6	2.3
<b>Total</b>	<b>24.7</b>	<b>26.7</b>	<b>27.3</b>	<b>28.1</b>	<b>28.5</b>	<b>28.9</b>	<b>0.6</b>
<b>Transportation</b>							
Liquids	27.2	27.8	28.2	28.8	29.7	30.9	0.5
Natural gas	0.7	0.7	0.7	0.7	0.8	0.8	0.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.0	0.0	0.0	0.0	0.1	0.1	4.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>28.0</b>	<b>28.5</b>	<b>29.0</b>	<b>29.6</b>	<b>30.5</b>	<b>31.8</b>	<b>0.5</b>
<b>All end-use sectors</b>							
Liquids	38.0	38.7	38.9	39.4	40.1	41.2	0.3
Natural gas	17.0	18.6	19.0	18.9	19.1	19.2	0.5
Coal	1.9	1.7	1.8	2.0	2.3	2.7	1.3
Electricity	12.7	13.0	13.6	14.1	14.7	15.3	0.7
Renewables	3.0	3.3	3.7	4.5	4.9	5.1	1.9
<b>Delivered energy</b>	<b>72.6</b>	<b>75.3</b>	<b>77.0</b>	<b>78.9</b>	<b>81.1</b>	<b>83.5</b>	<b>0.5</b>
Electricity-related losses	27.5	26.7	28.0	29.0	29.9	30.7	0.4
<b>Total</b>	<b>100.1</b>	<b>102.0</b>	<b>104.9</b>	<b>108.0</b>	<b>111.0</b>	<b>114.2</b>	<b>0.5</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.5	0.4	0.4	0.5	0.5	0.5	0.0
Natural gas	6.8	7.2	7.0	6.8	7.5	8.1	0.6
Coal	20.5	18.0	19.1	20.6	21.1	21.6	0.2
Nuclear	8.4	8.8	9.2	9.2	9.2	9.1	0.3
Renewables	4.0	5.4	5.8	6.1	6.4	6.7	2.0
<b>Total</b>	<b>40.2</b>	<b>39.7</b>	<b>41.5</b>	<b>43.2</b>	<b>44.6</b>	<b>46.0</b>	<b>0.5</b>
<b>Total energy consumption</b>							
Liquids	38.5	39.1	39.4	39.8	40.6	41.7	0.3
Natural gas	23.8	25.8	26.0	25.7	26.6	27.2	0.5
Coal	22.4	19.7	20.8	22.6	23.4	24.3	0.3
Nuclear	8.4	8.8	9.2	9.2	9.2	9.1	0.3
Renewables	7.0	8.6	9.5	10.6	11.3	11.8	1.9
<b>Total</b>	<b>100.1</b>	<b>102.0</b>	<b>104.9</b>	<b>108.0</b>	<b>111.0</b>	<b>114.2</b>	<b>0.5</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, *Annual Energy Outlook 2011*, DOE/EIA-0383(2011) (Washington, DC: May 2011); AEO2011 National Energy Modeling System, run REF2011.D020911A, website [www.eia.gov/aeo](http://www.eia.gov/aeo), and World Energy Projection System Plus (2011).

**Table D4. Delivered energy consumption in Canada by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-0.3
Natural gas	0.7	0.7	0.7	0.7	0.7	0.7	0.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-1.4
Electricity	0.6	0.6	0.7	0.7	0.8	0.8	1.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.3</b>	<b>1.4</b>	<b>1.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.6</b>	<b>0.7</b>
<b>Commercial</b>							
Liquids	0.3	0.3	0.3	0.3	0.3	0.3	-0.1
Natural gas	0.5	0.5	0.5	0.5	0.6	0.6	0.7
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Electricity	0.6	0.6	0.7	0.8	0.9	1.0	2.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.7</b>	<b>1.8</b>	<b>1.9</b>	<b>1.3</b>
<b>Industrial</b>							
Liquids	1.6	1.5	1.5	1.5	1.6	1.7	0.2
Natural gas	2.0	2.1	2.3	2.5	2.8	3.1	1.7
Coal	0.4	0.3	0.3	0.3	0.3	0.3	-0.5
Electricity	0.7	0.6	0.7	0.8	0.9	1.0	1.1
Renewables	0.5	0.5	0.5	0.6	0.6	0.6	0.9
<b>Total</b>	<b>5.2</b>	<b>5.0</b>	<b>5.5</b>	<b>5.8</b>	<b>6.2</b>	<b>6.7</b>	<b>1.0</b>
<b>Transportation</b>							
Liquids	2.3	2.5	2.4	2.4	2.5	2.5	0.3
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	-0.6
Coal	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	-2.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.5</b>	<b>2.6</b>	<b>2.6</b>	<b>2.6</b>	<b>2.6</b>	<b>2.6</b>	<b>0.2</b>
<b>All end-use sectors</b>							
Liquids	4.3	4.4	4.4	4.4	4.5	4.6	0.2
Natural gas	3.3	3.4	3.6	3.8	4.2	4.5	1.2
Coal	0.4	0.3	0.3	0.3	0.3	0.3	-0.5
Electricity	1.9	1.9	2.2	2.4	2.6	2.8	1.6
Renewables	0.5	0.5	0.5	0.6	0.6	0.6	0.9
<b>Delivered energy</b>	<b>10.4</b>	<b>10.5</b>	<b>11.0</b>	<b>11.5</b>	<b>12.2</b>	<b>12.9</b>	<b>0.8</b>
Electricity-related losses	3.9	4.1	4.6	5.0	5.4	5.9	1.5
<b>Total</b>	<b>14.3</b>	<b>14.6</b>	<b>15.7</b>	<b>16.4</b>	<b>17.6</b>	<b>18.8</b>	<b>1.0</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-1.0
Natural gas	0.3	0.2	0.2	0.5	0.5	0.7	4.0
Coal	1.0	0.7	0.7	0.7	0.7	0.8	-0.7
Nuclear	1.0	1.3	1.4	1.5	1.7	1.8	2.1
Renewables	3.5	3.8	4.4	4.6	5.1	5.4	1.6
<b>Total</b>	<b>5.8</b>	<b>6.1</b>	<b>6.8</b>	<b>7.3</b>	<b>8.0</b>	<b>8.7</b>	<b>1.5</b>
<b>Total energy consumption</b>							
Liquids	4.4	4.5	4.4	4.4	4.5	4.7	0.2
Natural gas	3.5	3.6	3.8	4.3	4.7	5.2	1.5
Coal	1.4	1.0	1.0	1.0	1.0	1.1	-0.7
Nuclear	1.0	1.3	1.4	1.5	1.7	1.8	2.1
Renewables	4.0	4.3	4.9	5.2	5.7	6.0	1.5
<b>Total</b>	<b>14.3</b>	<b>14.6</b>	<b>15.7</b>	<b>16.4</b>	<b>17.6</b>	<b>18.8</b>	<b>1.0</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D5. Delivered energy consumption in Mexico and Chile by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.3	0.3	0.3	0.3	0.3	0.3	0.1
Natural gas	0.0	0.0	0.0	0.0	0.1	0.1	2.6
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.2	0.3	0.4	0.5	0.5	0.6	3.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>2.1</b>
<b>Commercial</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.1	0.2	0.2	0.3	0.3	0.4	5.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>3.6</b>
<b>Industrial</b>							
Liquids	1.2	1.2	1.2	1.3	1.3	1.4	0.6
Natural gas	1.1	1.2	1.4	1.7	2.1	2.5	3.0
Coal	0.3	0.3	0.3	0.3	0.4	0.4	0.8
Electricity	0.6	0.6	0.7	0.8	1.0	1.2	2.7
Renewables	0.1	0.1	0.1	0.1	0.1	0.2	1.6
<b>Total</b>	<b>3.3</b>	<b>3.4</b>	<b>3.8</b>	<b>4.3</b>	<b>4.9</b>	<b>5.6</b>	<b>2.0</b>
<b>Transportation</b>							
Liquids	2.8	3.0	3.1	3.2	3.3	3.6	0.9
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	3.9
Coal	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	2.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.8</b>	<b>3.0</b>	<b>3.1</b>	<b>3.2</b>	<b>3.3</b>	<b>3.6</b>	<b>0.9</b>
<b>All end-use sectors</b>							
Liquids	4.4	4.6	4.7	4.8	5.0	5.4	0.8
Natural gas	1.2	1.3	1.5	1.8	2.1	2.6	3.0
Coal	0.3	0.3	0.3	0.3	0.4	0.4	0.8
Electricity	0.9	1.1	1.3	1.5	1.8	2.2	3.4
Renewables	0.1	0.1	0.1	0.1	0.1	0.2	1.6
<b>Delivered energy</b>	<b>6.9</b>	<b>7.3</b>	<b>7.9</b>	<b>8.6</b>	<b>9.5</b>	<b>10.7</b>	<b>1.7</b>
Electricity-related losses	1.6	2.2	2.5	2.9	3.4	4.1	3.6
<b>Total</b>	<b>8.5</b>	<b>9.5</b>	<b>10.4</b>	<b>11.5</b>	<b>13.0</b>	<b>14.7</b>	<b>2.1</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.4	0.4	0.4	0.4	0.3	0.3	-0.7
Natural gas	1.1	1.3	1.7	2.3	2.7	3.1	3.9
Coal	0.2	0.3	0.3	0.3	0.4	0.7	4.2
Nuclear	0.1	0.1	0.1	0.1	0.2	0.2	2.5
Renewables	0.6	1.2	1.3	1.4	1.7	1.9	4.3
<b>Total</b>	<b>2.5</b>	<b>3.2</b>	<b>3.8</b>	<b>4.5</b>	<b>5.3</b>	<b>6.2</b>	<b>3.5</b>
<b>Total energy consumption</b>							
Liquids	4.8	5.0	5.0	5.2	5.4	5.8	0.7
Natural gas	2.3	2.5	3.2	4.1	4.8	5.6	3.4
Coal	0.5	0.6	0.6	0.7	0.8	1.1	2.6
Nuclear	0.1	0.1	0.1	0.1	0.2	0.2	2.5
Renewables	0.7	1.3	1.4	1.5	1.8	2.1	4.0
<b>Total</b>	<b>8.5</b>	<b>9.5</b>	<b>10.4</b>	<b>11.5</b>	<b>13.0</b>	<b>14.7</b>	<b>2.1</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D6. Delivered energy consumption in OECD Europe by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	2.1	1.8	1.8	1.8	1.8	1.7	-0.7
Natural gas	5.4	5.6	5.7	5.6	5.5	5.3	0.0
Coal	0.6	0.5	0.5	0.5	0.4	0.4	-1.4
Electricity	3.1	3.7	3.9	4.2	4.3	4.5	1.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>11.2</b>	<b>11.7</b>	<b>12.0</b>	<b>12.1</b>	<b>12.0</b>	<b>12.0</b>	<b>0.2</b>
<b>Commercial</b>							
Liquids	1.0	0.8	0.8	0.8	0.8	0.8	-0.9
Natural gas	2.0	2.1	2.1	2.1	2.0	2.0	-0.1
Coal	0.1	0.1	0.1	0.1	0.1	0.1	-1.4
Electricity	2.9	3.4	3.7	3.9	4.2	4.4	1.6
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>6.0</b>	<b>6.5</b>	<b>6.7</b>	<b>7.0</b>	<b>7.1</b>	<b>7.2</b>	<b>0.7</b>
<b>Industrial</b>							
Liquids	9.7	8.1	8.5	8.7	8.8	8.9	-0.3
Natural gas	6.3	5.8	6.0	6.3	6.5	6.8	0.3
Coal	3.1	2.6	2.6	2.6	2.5	2.4	-0.9
Electricity	4.7	4.5	5.0	5.3	5.7	6.1	1.0
Renewables	1.6	1.5	1.6	1.7	1.8	2.0	0.8
<b>Total</b>	<b>25.3</b>	<b>22.6</b>	<b>23.7</b>	<b>24.6</b>	<b>25.3</b>	<b>26.2</b>	<b>0.1</b>
<b>Transportation</b>							
Liquids	18.4	18.1	18.3	18.4	18.6	18.5	0.0
Natural gas	0.1	0.3	0.2	0.1	0.1	0.1	-1.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.3	0.4	0.3	0.3	0.3	0.3	0.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>18.8</b>	<b>18.7</b>	<b>18.8</b>	<b>18.7</b>	<b>18.9</b>	<b>18.9</b>	<b>0.0</b>
<b>All end-use sectors</b>							
Liquids	31.2	28.9	29.4	29.7	29.9	30.0	-0.2
Natural gas	13.8	13.8	14.1	14.1	14.1	14.1	0.1
Coal	3.8	3.3	3.2	3.1	3.0	2.9	-1.0
Electricity	10.9	12.0	12.8	13.7	14.5	15.2	1.2
Renewables	1.6	1.5	1.6	1.7	1.8	2.0	0.8
<b>Delivered energy</b>	<b>61.3</b>	<b>59.5</b>	<b>61.2</b>	<b>62.3</b>	<b>63.3</b>	<b>64.2</b>	<b>0.2</b>
Electricity-related losses	20.9	24.1	25.7	27.3	28.5	29.6	1.3
<b>Total</b>	<b>82.2</b>	<b>83.6</b>	<b>86.9</b>	<b>89.7</b>	<b>91.8</b>	<b>93.8</b>	<b>0.5</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.8	0.8	0.7	0.7	0.7	0.6	-1.0
Natural gas	6.3	6.6	7.0	7.5	8.6	9.8	1.6
Coal	8.7	8.3	8.0	7.7	7.5	7.5	-0.5
Nuclear	9.1	10.0	10.3	11.1	11.5	11.8	1.0
Renewables	6.8	10.5	12.6	14.1	14.7	15.1	3.0
<b>Total</b>	<b>31.8</b>	<b>36.1</b>	<b>38.6</b>	<b>41.0</b>	<b>43.0</b>	<b>44.9</b>	<b>1.3</b>
<b>Total energy consumption</b>							
Liquids	32.0	29.7	30.1	30.4	30.5	30.6	-0.2
Natural gas	20.1	20.4	21.0	21.6	22.7	23.9	0.7
Coal	12.5	11.5	11.2	10.8	10.5	10.4	-0.7
Nuclear	9.1	10.0	10.3	11.1	11.5	11.8	1.0
Renewables	8.4	12.0	14.2	15.8	16.5	17.1	2.7
<b>Total</b>	<b>82.2</b>	<b>83.6</b>	<b>86.9</b>	<b>89.7</b>	<b>91.8</b>	<b>93.8</b>	<b>0.5</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).



**Table D7. Delivered energy consumption in Japan by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.6	0.4	0.5	0.5	0.4	0.4	-1.2
Natural gas	0.4	0.5	0.4	0.4	0.4	0.4	-0.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	1.1	1.1	1.1	1.2	1.2	1.2	0.5
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.1</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>-0.1</b>
<b>Commercial</b>							
Liquids	0.8	0.6	0.6	0.6	0.6	0.6	-0.9
Natural gas	0.7	0.8	0.8	0.8	0.7	0.7	-0.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.8
Electricity	1.3	1.3	1.4	1.5	1.5	1.6	0.7
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.8</b>	<b>2.7</b>	<b>2.8</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>0.1</b>
<b>Industrial</b>							
Liquids	3.7	3.0	3.3	3.4	3.4	3.3	-0.5
Natural gas	0.5	0.5	0.6	0.6	0.6	0.6	0.7
Coal	2.2	2.2	2.1	1.9	1.8	1.7	-1.0
Electricity	0.9	1.0	1.0	1.1	1.1	1.2	1.2
Renewables	0.3	0.3	0.3	0.3	0.3	0.3	-0.4
<b>Total</b>	<b>7.7</b>	<b>7.0</b>	<b>7.3</b>	<b>7.3</b>	<b>7.2</b>	<b>7.1</b>	<b>-0.3</b>
<b>Transportation</b>							
Liquids	3.9	3.8	4.0	4.1	4.0	3.9	0.0
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	--
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>4.0</b>	<b>3.9</b>	<b>4.1</b>	<b>4.1</b>	<b>4.0</b>	<b>4.0</b>	<b>0.0</b>
<b>All end-use sectors</b>							
Liquids	9.0	7.8	8.4	8.6	8.4	8.3	-0.3
Natural gas	1.7	1.8	1.8	1.8	1.8	1.7	0.1
Coal	2.3	2.2	2.1	2.0	1.8	1.7	-1.0
Electricity	3.3	3.5	3.6	3.8	3.9	4.0	0.8
Renewables	0.3	0.3	0.3	0.3	0.3	0.3	-0.4
<b>Delivered energy</b>	<b>16.5</b>	<b>15.6</b>	<b>16.2</b>	<b>16.4</b>	<b>16.1</b>	<b>16.0</b>	<b>-0.1</b>
Electricity-related losses	5.8	6.6	7.0	7.3	7.6	7.8	1.1
<b>Total</b>	<b>22.4</b>	<b>22.2</b>	<b>23.2</b>	<b>23.7</b>	<b>23.7</b>	<b>23.8</b>	<b>0.2</b>
<b>Electric power<sup>a</sup></b>							
Liquids	1.1	1.0	1.0	0.9	0.9	0.8	
Natural gas	2.2	2.0	2.1	2.3	2.4	2.5	0.5
Coal	2.5	2.4	2.3	2.2	2.1	2.1	-0.6
Nuclear	2.5	3.3	3.5	3.7	4.0	4.3	2.0
Renewables	0.8	1.4	1.7	2.0	2.0	2.2	3.7
<b>Total</b>	<b>9.1</b>	<b>10.1</b>	<b>10.6</b>	<b>11.1</b>	<b>11.5</b>	<b>11.9</b>	<b>1.0</b>
<b>Total energy consumption</b>							
Liquids	10.1	8.8	9.4	9.5	9.3	9.1	-0.4
Natural gas	3.9	3.9	3.9	4.1	4.2	4.2	0.3
Coal	4.8	4.6	4.4	4.2	4.0	3.8	-0.8
Nuclear	2.5	3.3	3.5	3.7	4.0	4.3	2.0
Renewables	1.1	1.6	2.0	2.2	2.3	2.4	2.9
<b>Total</b>	<b>22.4</b>	<b>22.2</b>	<b>23.2</b>	<b>23.7</b>	<b>23.7</b>	<b>23.8</b>	<b>0.2</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D8. Delivered energy consumption in South Korea by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-0.4
Natural gas	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-2.1
Electricity	0.2	0.2	0.3	0.3	0.3	0.3	2.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>0.6</b>
<b>Commercial</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-0.6
Natural gas	0.1	0.2	0.2	0.2	0.2	0.2	1.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.5	0.5	0.6	0.7	0.8	0.9	2.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.1</b>	<b>1.2</b>	<b>1.7</b>
<b>Industrial</b>							
Liquids	2.3	2.6	2.6	2.8	2.9	3.1	1.0
Natural gas	0.3	0.3	0.3	0.3	0.3	0.3	0.9
Coal	1.0	1.0	1.1	1.1	1.1	1.2	0.7
Electricity	0.7	0.8	0.9	1.0	1.0	1.1	1.7
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	1.5
<b>Total</b>	<b>4.4</b>	<b>4.8</b>	<b>5.0</b>	<b>5.3</b>	<b>5.5</b>	<b>5.8</b>	<b>1.1</b>
<b>Transportation</b>							
Liquids	1.7	1.8	1.9	1.9	1.9	1.9	0.5
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Coal	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	4.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.7</b>	<b>1.9</b>	<b>1.9</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>0.6</b>
<b>All end-use sectors</b>							
Liquids	4.3	4.7	4.8	4.9	5.1	5.3	0.8
Natural gas	0.8	0.9	0.9	1.0	1.0	1.0	0.7
Coal	1.0	1.1	1.1	1.1	1.2	1.2	0.6
Electricity	1.4	1.6	1.7	1.9	2.1	2.3	2.0
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	1.5
<b>Delivered energy</b>	<b>7.6</b>	<b>8.3</b>	<b>8.6</b>	<b>9.0</b>	<b>9.5</b>	<b>9.9</b>	<b>1.0</b>
Electricity-related losses	2.4	2.7	3.0	3.3	3.7	4.0	1.9
<b>Total</b>	<b>10.0</b>	<b>11.1</b>	<b>11.6</b>	<b>12.4</b>	<b>13.1</b>	<b>13.9</b>	<b>1.2</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-1.0
Natural gas	0.6	0.8	0.8	1.0	1.1	1.1	2.4
Coal	1.6	1.5	1.5	1.7	1.9	2.3	1.2
Nuclear	1.4	1.8	2.2	2.4	2.6	2.7	2.4
Renewables	0.1	0.1	0.1	0.1	0.1	0.2	4.7
<b>Total</b>	<b>3.8</b>	<b>4.3</b>	<b>4.8</b>	<b>5.3</b>	<b>5.8</b>	<b>6.3</b>	<b>1.9</b>
<b>Total energy consumption</b>							
Liquids	4.4	4.8	4.8	5.0	5.2	5.3	0.7
Natural gas	1.4	1.7	1.8	2.0	2.1	2.1	1.5
Coal	2.6	2.6	2.6	2.8	3.1	3.4	1.0
Nuclear	1.4	1.8	2.2	2.4	2.6	2.7	2.4
Renewables	0.1	0.2	0.2	0.2	0.3	0.3	3.0
<b>Total</b>	<b>10.0</b>	<b>11.1</b>	<b>11.6</b>	<b>12.4</b>	<b>13.1</b>	<b>13.9</b>	<b>1.2</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D9. Delivered energy consumption in Australia/New Zealand by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	Projections						Average annual percent change, 2008-2035
	2008	2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.8
Electricity	0.2	0.3	0.3	0.3	0.3	0.3	1.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.8</b>
<b>Commercial</b>							
Liquids	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	-1.5
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
Electricity	0.2	0.3	0.3	0.3	0.3	0.3	1.7
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>1.1</b>
<b>Industrial</b>							
Liquids	0.6	0.6	0.6	0.6	0.6	0.6	0.1
Natural gas	0.8	0.8	0.9	1.0	1.0	1.1	1.3
Coal	0.4	0.4	0.5	0.6	0.6	0.7	2.0
Electricity	0.4	0.4	0.5	0.5	0.6	0.6	1.1
Renewables	0.2	0.2	0.2	0.2	0.2	0.3	1.2
<b>Total</b>	<b>2.4</b>	<b>2.5</b>	<b>2.7</b>	<b>2.8</b>	<b>3.1</b>	<b>3.3</b>	<b>1.1</b>
<b>Transportation</b>							
Liquids	1.6	1.7	1.7	1.7	1.8	1.9	0.6
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Coal	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
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.6</b>	<b>1.7</b>	<b>1.7</b>	<b>1.8</b>	<b>1.9</b>	<b>1.9</b>	<b>0.7</b>
<b>All end-use sectors</b>							
Liquids	2.2	2.3	2.3	2.4	2.4	2.5	0.5
Natural gas	1.0	1.0	1.1	1.2	1.3	1.4	1.1
Coal	0.4	0.5	0.5	0.6	0.6	0.7	1.9
Electricity	0.9	1.0	1.1	1.1	1.2	1.3	1.3
Renewables	0.2	0.2	0.2	0.2	0.2	0.3	1.2
<b>Delivered energy</b>	<b>4.7</b>	<b>5.0</b>	<b>5.2</b>	<b>5.5</b>	<b>5.8</b>	<b>6.1</b>	<b>1.0</b>
Electricity-related losses	2.1	2.5	2.6	2.7	2.8	2.8	1.1
<b>Total</b>	<b>6.8</b>	<b>7.4</b>	<b>7.8</b>	<b>8.1</b>	<b>8.5</b>	<b>8.9</b>	<b>1.0</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
Natural gas	0.3	0.4	0.5	0.7	0.9	1.0	3.9
Coal	2.1	2.0	2.0	1.9	1.8	1.8	-0.7
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	--
Renewables	0.5	1.0	1.2	1.2	1.3	1.3	3.9
<b>Total</b>	<b>3.0</b>	<b>3.5</b>	<b>3.7</b>	<b>3.8</b>	<b>4.0</b>	<b>4.1</b>	<b>1.2</b>
<b>Total energy consumption</b>							
Liquids	2.2	2.3	2.3	2.4	2.5	2.5	0.5
Natural gas	1.3	1.4	1.6	1.9	2.1	2.3	2.1
Coal	2.6	2.5	2.5	2.5	2.5	2.5	-0.1
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewables	0.7	1.2	1.4	1.4	1.5	1.6	3.3
<b>Total</b>	<b>6.8</b>	<b>7.4</b>	<b>7.8</b>	<b>8.1</b>	<b>8.5</b>	<b>8.9</b>	<b>1.0</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D10. Total Non-OECD delivered energy consumption by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	5.3	5.8	5.3	5.2	5.2	5.2	-0.1
Natural gas	8.8	10.0	10.9	11.9	12.7	13.5	1.6
Coal	3.8	3.9	4.0	4.0	4.0	3.9	0.2
Electricity	6.1	8.6	10.6	12.7	14.8	16.9	3.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>24.0</b>	<b>28.3</b>	<b>30.8</b>	<b>33.8</b>	<b>36.7</b>	<b>39.6</b>	<b>1.9</b>
<b>Commercial</b>							
Liquids	1.7	1.8	1.7	1.6	1.6	1.6	0.0
Natural gas	1.7	2.1	2.3	2.7	3.0	3.2	2.4
Coal	1.0	1.1	1.1	1.2	1.2	1.3	1.0
Electricity	3.8	5.9	7.2	8.6	9.9	10.9	4.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>8.1</b>	<b>10.8</b>	<b>12.4</b>	<b>14.2</b>	<b>15.8</b>	<b>17.1</b>	<b>2.8</b>
<b>Industrial</b>							
Liquids	27.2	31.2	32.2	34.4	37.5	40.6	1.5
Natural gas	25.0	29.4	33.1	36.9	41.1	45.6	2.3
Coal	40.7	52.7	56.0	59.9	63.3	66.2	1.8
Electricity	16.5	20.9	24.0	28.1	32.5	37.0	3.0
Renewables	8.9	10.0	11.2	12.4	13.8	15.2	2.0
<b>Total</b>	<b>118.3</b>	<b>144.2</b>	<b>156.3</b>	<b>171.8</b>	<b>188.1</b>	<b>204.5</b>	<b>2.1</b>
<b>Transportation</b>							
Liquids	35.6	48.1	55.1	63.4	69.0	72.9	2.7
Natural gas	2.6	2.5	2.7	2.9	3.2	3.4	1.0
Coal	0.1	0.2	0.1	0.0	0.0	0.0	-21.5
Electricity	0.5	0.7	0.8	0.9	1.1	1.0	2.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>38.9</b>	<b>51.6</b>	<b>58.7</b>	<b>67.2</b>	<b>73.3</b>	<b>77.3</b>	<b>2.6</b>
<b>All end-use sectors</b>							
Liquids	69.8	86.9	94.2	104.7	113.3	120.4	2.0
Natural gas	38.1	44.0	49.1	54.4	59.9	65.7	2.0
Coal	45.6	57.9	61.3	65.2	68.6	71.4	1.7
Electricity	26.9	36.0	42.5	50.3	58.2	65.8	3.4
Renewables	8.9	10.0	11.2	12.4	13.8	15.2	2.0
Delivered energy	<b>189.4</b>	<b>234.8</b>	<b>258.3</b>	<b>287.0</b>	<b>313.8</b>	<b>338.5</b>	<b>2.2</b>
Electricity-related losses	71.1	88.2	100.6	114.7	128.9	143.1	2.6
<b>Total</b>	<b>260.5</b>	<b>323.1</b>	<b>358.9</b>	<b>401.7</b>	<b>442.8</b>	<b>481.6</b>	<b>2.3</b>
<b>Electric power<sup>a</sup></b>							
Liquids	6.7	6.2	5.9	5.6	5.3	5.1	-1.0
Natural gas	19.9	24.0	27.5	31.5	35.3	38.4	2.5
Coal	46.6	56.8	60.2	69.9	80.8	91.1	2.5
Nuclear	4.6	7.9	12.2	15.8	18.3	21.4	5.9
Renewables	20.2	29.3	37.4	42.2	47.4	52.9	3.6
<b>Total</b>	<b>98.0</b>	<b>124.2</b>	<b>143.2</b>	<b>165.0</b>	<b>187.2</b>	<b>208.9</b>	<b>2.8</b>
<b>Total energy consumption</b>							
Liquids	76.4	93.1	100.1	110.3	118.7	125.5	1.9
Natural gas	58.0	68.1	76.6	85.9	95.2	104.1	2.2
Coal	92.2	114.7	121.4	135.1	149.4	162.5	2.1
Nuclear	4.6	7.9	12.2	15.8	18.3	21.4	5.9
Renewables	29.2	39.3	48.6	54.6	61.2	68.1	3.2
<b>Total</b>	<b>260.5</b>	<b>323.1</b>	<b>358.9</b>	<b>401.7</b>	<b>442.8</b>	<b>481.6</b>	<b>2.3</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D11. Delivered energy consumption in Russia by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.4	0.4	0.4	0.4	0.4	0.4	-0.6
Natural gas	3.2	3.1	3.2	3.3	3.4	3.5	0.4
Coal	0.3	0.4	0.4	0.3	0.3	0.3	-0.5
Electricity	0.4	0.5	0.5	0.6	0.7	0.8	2.5
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>4.4</b>	<b>4.4</b>	<b>4.5</b>	<b>4.6</b>	<b>4.7</b>	<b>5.0</b>	<b>0.5</b>
<b>Commercial</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-1.7
Natural gas	0.6	0.6	0.7	0.7	0.7	0.7	0.3
Coal	0.2	0.2	0.2	0.2	0.2	0.2	-0.6
Electricity	0.5	0.6	0.6	0.7	0.8	1.0	2.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.5</b>	<b>1.5</b>	<b>1.6</b>	<b>1.7</b>	<b>1.8</b>	<b>1.9</b>	<b>0.9</b>
<b>Industrial</b>							
Liquids	2.5	2.7	2.5	2.4	2.5	2.7	0.2
Natural gas	5.5	5.3	5.2	5.3	5.3	5.5	0.0
Coal	1.6	1.8	1.7	1.7	1.8	1.9	0.5
Electricity	1.7	1.8	1.8	1.9	2.1	2.3	1.1
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.8
<b>Total</b>	<b>11.5</b>	<b>11.7</b>	<b>11.3</b>	<b>11.5</b>	<b>11.9</b>	<b>12.5</b>	<b>0.3</b>
<b>Transportation</b>							
Liquids	2.4	2.6	2.5	2.5	2.6	2.6	0.3
Natural gas	1.7	1.7	1.8	1.9	2.1	2.3	1.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.3	0.3	0.3	0.3	0.3	0.3	0.6
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>4.4</b>	<b>4.5</b>	<b>4.6</b>	<b>4.8</b>	<b>5.0</b>	<b>5.2</b>	<b>0.6</b>
<b>All end-use sectors</b>							
Liquids	5.5	5.8	5.5	5.4	5.6	5.8	0.2
Natural gas	11.0	10.8	10.9	11.2	11.5	12.0	0.3
Coal	2.2	2.3	2.3	2.3	2.3	2.3	0.3
Electricity	2.9	3.1	3.3	3.6	4.0	4.4	1.5
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.8
<b>Delivered energy</b>	<b>21.7</b>	<b>22.1</b>	<b>22.0</b>	<b>22.5</b>	<b>23.4</b>	<b>24.6</b>	<b>0.5</b>
Electricity-related losses	8.8	8.9	9.3	9.8	10.3	10.9	0.8
<b>Total</b>	<b>30.6</b>	<b>31.1</b>	<b>31.3</b>	<b>32.3</b>	<b>33.7</b>	<b>35.5</b>	<b>0.6</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-1.0
Natural gas	6.0	5.6	5.3	5.1	5.4	5.6	-0.3
Coal	2.3	2.2	2.1	2.0	2.2	2.5	0.4
Nuclear	1.7	2.1	2.9	3.6	3.9	4.1	3.3
Renewables	1.6	2.0	2.1	2.4	2.7	2.9	2.2
<b>Total</b>	<b>11.7</b>	<b>12.1</b>	<b>12.6</b>	<b>13.3</b>	<b>14.2</b>	<b>15.3</b>	<b>1.0</b>
<b>Total energy consumption</b>							
Liquids	5.7	5.9	5.6	5.5	5.7	5.9	0.1
Natural gas	17.0	16.4	16.2	16.3	16.9	17.6	0.1
Coal	4.5	4.5	4.3	4.3	4.5	4.9	0.3
Nuclear	1.7	2.1	2.9	3.6	3.9	4.1	3.3
Renewables	1.7	2.1	2.2	2.5	2.8	3.1	2.1
<b>Total</b>	<b>30.6</b>	<b>31.1</b>	<b>31.3</b>	<b>32.3</b>	<b>33.7</b>	<b>35.5</b>	<b>0.6</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D12. Delivered energy consumption in Other Non-OECD Europe and Eurasia by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.2	0.2	0.2	0.2	0.2	0.2	-0.7
Natural gas	2.4	2.5	2.5	2.5	2.4	2.3	-0.1
Coal	0.1	0.1	0.1	0.1	0.1	0.1	-1.8
Electricity	0.4	0.5	0.5	0.6	0.6	0.7	1.5
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>3.2</b>	<b>3.2</b>	<b>3.3</b>	<b>3.3</b>	<b>3.3</b>	<b>3.2</b>	<b>0.1</b>
<b>Commercial</b>							
Liquids	0.1	0.0	0.0	0.0	0.0	0.0	-0.9
Natural gas	0.4	0.4	0.4	0.4	0.3	0.3	-0.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.6
Electricity	0.3	0.3	0.3	0.4	0.4	0.5	2.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.7</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>
<b>Industrial</b>							
Liquids	1.6	1.5	1.4	1.3	1.3	1.2	-0.9
Natural gas	3.4	3.4	3.5	3.6	3.7	3.8	0.4
Coal	1.5	1.3	1.2	1.1	1.0	0.9	-1.9
Electricity	1.1	1.1	1.2	1.3	1.4	1.6	1.4
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.8
<b>Total</b>	<b>7.6</b>	<b>7.4</b>	<b>7.4</b>	<b>7.5</b>	<b>7.6</b>	<b>7.6</b>	<b>0.0</b>
<b>Transportation</b>							
Liquids	2.4	2.9	3.1	3.4	3.6	3.9	1.8
Natural gas	0.3	0.3	0.3	0.3	0.4	0.4	1.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.1	0.1	0.1	0.0	0.0	0.0	-1.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.8</b>	<b>3.2</b>	<b>3.5</b>	<b>3.8</b>	<b>4.0</b>	<b>4.3</b>	<b>1.7</b>
<b>All end-use sectors</b>							
Liquids	4.2	4.6	4.7	4.9	5.1	5.3	0.9
Natural gas	6.4	6.5	6.7	6.8	6.8	6.8	0.2
Coal	1.6	1.4	1.3	1.2	1.1	1.0	-1.9
Electricity	1.9	2.0	2.1	2.3	2.6	2.8	1.5
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.8
<b>Delivered energy</b>	<b>14.2</b>	<b>14.6</b>	<b>15.0</b>	<b>15.4</b>	<b>15.7</b>	<b>16.0</b>	<b>0.4</b>
Electricity-related losses	5.7	5.8	6.1	6.3	6.6	6.9	0.7
<b>Total</b>	<b>19.9</b>	<b>20.4</b>	<b>21.0</b>	<b>21.7</b>	<b>22.3</b>	<b>22.9</b>	<b>0.5</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.2	0.2	0.2	0.2	0.2	0.2	-1.0
Natural gas	2.0	1.9	2.0	2.2	2.5	2.6	0.9
Coal	2.8	2.7	2.6	2.5	2.6	2.7	-0.2
Nuclear	1.3	1.6	1.9	2.1	2.2	2.4	2.2
Renewables	1.2	1.4	1.6	1.6	1.7	1.9	1.6
<b>Total</b>	<b>7.6</b>	<b>7.7</b>	<b>8.2</b>	<b>8.7</b>	<b>9.1</b>	<b>9.7</b>	<b>0.9</b>
<b>Total energy consumption</b>							
Liquids	4.4	4.8	4.9	5.1	5.3	5.5	0.8
Natural gas	8.4	8.4	8.6	9.0	9.3	9.4	0.4
Coal	4.5	4.0	3.9	3.7	3.7	3.7	-0.7
Nuclear	1.3	1.6	1.9	2.1	2.2	2.4	2.2
Renewables	1.3	1.5	1.7	1.7	1.8	1.9	1.6
<b>Total</b>	<b>19.9</b>	<b>20.4</b>	<b>21.0</b>	<b>21.7</b>	<b>22.3</b>	<b>22.9</b>	<b>0.5</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D13. Delivered energy consumption in China by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	1.0	1.1	1.0	0.9	0.9	0.8	-1.0
Natural gas	0.7	1.4	1.9	2.5	3.1	3.5	6.3
Coal	2.9	3.0	3.0	3.0	3.0	2.9	-0.1
Electricity	1.5	2.5	3.3	4.2	5.2	6.2	5.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>6.1</b>	<b>8.0</b>	<b>9.2</b>	<b>10.7</b>	<b>12.1</b>	<b>13.4</b>	<b>2.9</b>
<b>Commercial</b>							
Liquids	0.9	1.0	0.9	0.8	0.8	0.8	-0.7
Natural gas	0.4	0.7	0.9	1.2	1.4	1.7	5.8
Coal	0.5	0.5	0.5	0.5	0.5	0.5	0.2
Electricity	0.5	1.8	2.3	2.8	2.9	2.6	6.2
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.3</b>	<b>4.0</b>	<b>4.6</b>	<b>5.3</b>	<b>5.6</b>	<b>5.5</b>	<b>3.4</b>
<b>Industrial</b>							
Liquids	6.9	7.9	8.2	9.1	10.1	11.0	1.7
Natural gas	1.5	2.0	2.5	3.1	3.8	4.4	4.1
Coal	28.1	39.1	41.0	43.6	45.5	46.9	1.9
Electricity	8.2	11.6	13.4	16.1	18.9	21.6	3.7
Renewables	0.2	0.3	0.4	0.4	0.5	0.6	3.1
<b>Total</b>	<b>44.9</b>	<b>60.9</b>	<b>65.4</b>	<b>72.4</b>	<b>78.8</b>	<b>84.5</b>	<b>2.4</b>
<b>Transportation</b>							
Liquids	6.8	14.3	17.5	20.7	21.4	21.7	4.4
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	5.6
Coal	0.1	0.2	0.1	0.0	0.0	0.0	--
Electricity	0.1	0.2	0.3	0.3	0.4	0.3	4.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>7.1</b>	<b>14.8</b>	<b>18.0</b>	<b>21.1</b>	<b>21.9</b>	<b>22.1</b>	<b>4.3</b>
<b>All end-use sectors</b>							
Liquids	15.7	24.3	27.6	31.5	33.2	34.3	2.9
Natural gas	2.5	4.2	5.3	6.8	8.3	9.7	5.1
Coal	31.6	42.8	44.6	47.1	49.0	50.2	1.7
Electricity	10.3	16.1	19.4	23.5	27.4	30.7	4.1
Renewables	0.2	0.3	0.4	0.4	0.5	0.6	3.1
<b>Delivered energy</b>	<b>60.4</b>	<b>87.7</b>	<b>97.2</b>	<b>109.4</b>	<b>118.4</b>	<b>125.4</b>	<b>2.7</b>
Electricity-related losses	25.7	36.5	43.3	51.5	59.4	65.9	3.6
<b>Total</b>	<b>86.2</b>	<b>124.2</b>	<b>140.6</b>	<b>160.9</b>	<b>177.9</b>	<b>191.4</b>	<b>3.0</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-0.8
Natural gas	0.3	1.4	1.8	2.1	2.3	2.4	7.9
Coal	28.7	37.9	40.9	49.3	57.5	63.4	3.0
Nuclear	0.7	2.3	4.3	6.1	7.8	9.5	10.4
Renewables	6.2	10.9	15.5	17.3	19.2	21.2	4.7
<b>Total</b>	<b>36.0</b>	<b>52.6</b>	<b>62.7</b>	<b>74.9</b>	<b>86.8</b>	<b>96.6</b>	<b>3.7</b>
<b>Total energy consumption</b>							
Liquids	15.9	24.5	27.7	31.6	33.3	34.4	2.9
Natural gas	2.8	5.6	7.1	9.0	10.6	12.1	5.5
Coal	60.4	80.7	85.5	96.4	106.5	113.6	2.4
Nuclear	0.7	2.3	4.3	6.1	7.8	9.5	10.4
Renewables	6.4	11.2	15.8	17.8	19.7	21.8	4.6
<b>Total</b>	<b>86.2</b>	<b>124.2</b>	<b>140.6</b>	<b>160.9</b>	<b>177.9</b>	<b>191.4</b>	<b>3.0</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D14. Delivered energy consumption in India by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.9	1.1	1.0	1.0	0.9	0.9	-0.2
Natural gas	0.0	0.0	0.0	0.1	0.1	0.1	3.1
Coal	0.2	0.2	0.2	0.2	0.3	0.3	2.3
Electricity	0.5	1.2	1.5	1.8	2.1	2.4	6.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.6</b>	<b>2.4</b>	<b>2.8</b>	<b>3.1</b>	<b>3.4</b>	<b>3.6</b>	<b>3.1</b>
<b>Commercial</b>							
Liquids	0.0	0.0	0.0	0.0	0.0	0.0	--
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	--
Coal	0.2	0.2	0.3	0.3	0.4	0.4	2.9
Electricity	0.2	0.4	0.5	0.6	0.8	0.9	6.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.4</b>	<b>0.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>	<b>1.3</b>	<b>4.8</b>
<b>Industrial</b>							
Liquids	3.0	3.4	4.0	4.6	5.3	5.9	2.6
Natural gas	0.9	1.4	1.6	1.8	1.9	2.0	3.2
Coal	3.8	4.4	5.2	5.9	6.7	7.4	2.5
Electricity	1.3	1.5	1.8	2.1	2.4	2.7	2.7
Renewables	1.2	1.4	1.6	1.8	2.0	2.2	2.3
<b>Total</b>	<b>10.2</b>	<b>12.2</b>	<b>14.2</b>	<b>16.2</b>	<b>18.3</b>	<b>20.3</b>	<b>2.6</b>
<b>Transportation</b>							
Liquids	1.9	3.0	4.1	6.0	7.4	8.3	5.6
Natural gas	0.1	0.1	0.1	0.1	0.2	0.2	2.9
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.0	0.1	0.1	0.1	0.2	0.2	5.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.0</b>	<b>3.2</b>	<b>4.4</b>	<b>6.2</b>	<b>7.8</b>	<b>8.7</b>	<b>5.5</b>
<b>All end-use sectors</b>							
Liquids	5.8	7.5	9.2	11.5	13.6	15.1	3.6
Natural gas	1.0	1.6	1.8	1.9	2.1	2.3	3.2
Coal	4.2	4.8	5.7	6.5	7.3	8.1	2.5
Electricity	2.0	3.1	3.9	4.7	5.5	6.2	4.2
Renewables	1.2	1.4	1.6	1.8	2.0	2.2	2.3
<b>Delivered energy</b>	<b>14.2</b>	<b>18.4</b>	<b>22.1</b>	<b>26.4</b>	<b>30.6</b>	<b>33.9</b>	<b>3.3</b>
Electricity-related losses	6.9	9.4	11.0	12.4	13.7	15.3	3.0
<b>Total</b>	<b>21.1</b>	<b>27.8</b>	<b>33.1</b>	<b>38.9</b>	<b>44.3</b>	<b>49.2</b>	<b>3.2</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.2	0.2	0.2	0.2	0.2	0.2	-1.0
Natural gas	0.7	1.9	2.4	2.9	3.1	3.2	6.0
Coal	6.7	7.5	7.9	8.9	10.0	11.4	2.0
Nuclear	0.2	0.7	1.3	1.7	2.0	2.2	10.2
Renewables	1.2	2.2	3.1	3.5	4.0	4.5	5.0
<b>Total</b>	<b>9.0</b>	<b>12.5</b>	<b>14.9</b>	<b>17.1</b>	<b>19.2</b>	<b>21.5</b>	<b>3.3</b>
<b>Total energy consumption</b>							
Liquids	6.0	7.7	9.4	11.7	13.8	15.3	3.5
Natural gas	1.6	3.5	4.2	4.8	5.2	5.4	4.6
Coal	10.9	12.4	13.6	15.3	17.3	19.5	2.2
Nuclear	0.2	0.7	1.3	1.7	2.0	2.2	10.2
Renewables	2.4	3.5	4.7	5.3	6.0	6.7	3.9
<b>Total</b>	<b>21.1</b>	<b>27.8</b>	<b>33.1</b>	<b>38.9</b>	<b>44.3</b>	<b>49.2</b>	<b>3.2</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).



**Table D15. Delivered energy consumption in Other Non-OECD Asia by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.7	0.7	0.7	0.7	0.7	0.8	0.5
Natural gas	0.3	0.5	0.6	0.7	0.8	0.8	3.5
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Electricity	0.9	1.2	1.4	1.6	1.9	2.2	3.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>2.0</b>	<b>2.4</b>	<b>2.7</b>	<b>3.0</b>	<b>3.4</b>	<b>3.9</b>	<b>2.5</b>
<b>Commercial</b>							
Liquids	0.2	0.2	0.2	0.2	0.2	0.3	1.0
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	2.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	2.8
Electricity	0.8	1.0	1.2	1.5	1.8	2.2	3.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.1</b>	<b>1.3</b>	<b>1.5</b>	<b>1.9</b>	<b>2.2</b>	<b>2.6</b>	<b>3.4</b>
<b>Industrial</b>							
Liquids	4.0	4.7	5.2	5.8	6.4	7.2	2.1
Natural gas	3.3	3.8	4.4	5.0	5.6	6.3	2.5
Coal	3.1	3.3	3.7	4.0	4.4	4.7	1.5
Electricity	1.4	1.7	2.1	2.5	2.9	3.5	3.5
Renewables	1.5	1.7	1.9	2.1	2.4	2.7	2.2
<b>Total</b>	<b>13.3</b>	<b>15.2</b>	<b>17.2</b>	<b>19.3</b>	<b>21.7</b>	<b>24.4</b>	<b>2.3</b>
<b>Transportation</b>							
Liquids	7.0	8.1	9.3	10.6	11.1	11.4	1.8
Natural gas	0.1	0.1	0.1	0.0	0.0	0.0	-8.5
Coal	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	-1.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>7.1</b>	<b>8.2</b>	<b>9.4</b>	<b>10.6</b>	<b>11.1</b>	<b>11.4</b>	<b>1.8</b>
<b>All end-use sectors</b>							
Liquids	11.9	13.7	15.4	17.3	18.5	19.6	1.9
Natural gas	3.8	4.5	5.1	5.7	6.5	7.3	2.4
Coal	3.2	3.4	3.8	4.1	4.5	4.8	1.5
Electricity	3.1	3.9	4.7	5.6	6.7	7.9	3.5
Renewables	1.5	1.7	1.9	2.1	2.4	2.7	2.2
<b>Delivered energy</b>	<b>23.5</b>	<b>27.1</b>	<b>30.9</b>	<b>34.9</b>	<b>38.5</b>	<b>42.3</b>	<b>2.2</b>
Electricity-related losses	7.2	9.1	10.4	11.8	13.7	16.0	3.0
<b>Total</b>	<b>30.7</b>	<b>36.2</b>	<b>41.3</b>	<b>46.7</b>	<b>52.1</b>	<b>58.2</b>	<b>2.4</b>
<b>Electric power<sup>a</sup></b>							
Liquids	1.2	1.1	1.0	1.0	0.9	0.9	-1.0
Natural gas	3.4	4.1	5.0	6.4	7.5	8.1	3.3
Coal	3.1	3.1	3.2	3.6	4.6	6.2	2.6
Nuclear	0.4	0.7	0.9	1.2	1.3	1.6	5.2
Renewables	2.3	3.9	4.9	5.3	6.0	7.1	4.3
<b>Total</b>	<b>10.3</b>	<b>12.9</b>	<b>15.1</b>	<b>17.4</b>	<b>20.3</b>	<b>23.8</b>	<b>3.2</b>
<b>Total energy consumption</b>							
Liquids	13.1	14.8	16.4	18.3	19.4	20.5	1.7
Natural gas	7.2	8.5	10.1	12.1	14.0	15.4	2.9
Coal	6.3	6.5	7.0	7.7	9.1	11.0	2.1
Nuclear	0.4	0.7	0.9	1.2	1.3	1.6	5.2
Renewables	3.7	5.6	6.8	7.4	8.4	9.7	3.6
<b>Total</b>	<b>30.7</b>	<b>36.2</b>	<b>41.3</b>	<b>46.7</b>	<b>52.1</b>	<b>58.2</b>	<b>2.4</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D16. Delivered energy consumption in the Middle East by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.7	0.9	0.8	0.8	0.8	0.8	0.5
Natural gas	1.5	1.7	1.8	1.9	1.9	1.9	0.9
Coal	0.0	0.0	0.0	0.0	0.0	0.0	-1.7
Electricity	1.0	1.2	1.4	1.6	1.8	2.0	2.6
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>3.2</b>	<b>3.8</b>	<b>4.0</b>	<b>4.3</b>	<b>4.4</b>	<b>4.7</b>	<b>1.5</b>
<b>Commercial</b>							
Liquids	0.2	0.2	0.2	0.2	0.2	0.2	1.8
Natural gas	0.2	0.3	0.3	0.3	0.3	0.3	1.9
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.6	0.7	0.8	1.0	1.1	1.3	3.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.9</b>	<b>1.2</b>	<b>1.3</b>	<b>1.5</b>	<b>1.7</b>	<b>1.9</b>	<b>2.8</b>
<b>Industrial</b>							
Liquids	3.8	5.0	5.0	5.2	5.4	5.7	1.5
Natural gas	5.8	7.9	9.5	10.8	12.3	14.0	3.3
Coal	0.1	0.1	0.1	0.1	0.1	0.1	1.7
Electricity	0.6	0.7	0.8	0.8	0.9	1.0	2.0
Renewables	0.0	0.1	0.1	0.1	0.1	0.1	0.7
<b>Total</b>	<b>10.3</b>	<b>13.8</b>	<b>15.5</b>	<b>17.0</b>	<b>18.7</b>	<b>20.8</b>	<b>2.6</b>
<b>Transportation</b>							
Liquids	5.3	6.0	6.2	7.1	8.6	9.4	2.2
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	1.0
Coal	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	12.9
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>5.4</b>	<b>6.1</b>	<b>6.3</b>	<b>7.2</b>	<b>8.7</b>	<b>9.5</b>	<b>2.2</b>
<b>All end-use sectors</b>							
Liquids	9.9	12.1	12.2	13.3	15.0	16.1	1.8
Natural gas	7.6	9.9	11.7	13.1	14.6	16.3	2.9
Coal	0.1	0.1	0.1	0.1	0.1	0.1	1.7
Electricity	2.1	2.6	3.0	3.4	3.8	4.3	2.6
Renewables	0.0	0.1	0.1	0.1	0.1	0.1	0.7
<b>Delivered energy</b>	<b>19.8</b>	<b>24.8</b>	<b>27.1</b>	<b>30.0</b>	<b>33.6</b>	<b>37.0</b>	<b>2.3</b>
Electricity-related losses	5.7	6.3	6.8	7.3	7.7	8.3	1.4
<b>Total</b>	<b>25.5</b>	<b>31.0</b>	<b>33.9</b>	<b>37.3</b>	<b>41.3</b>	<b>45.3</b>	<b>2.1</b>
<b>Electric power<sup>a</sup></b>							
Liquids	2.9	2.7	2.5	2.4	2.3	2.2	-1.0
Natural gas	4.6	5.5	6.2	6.9	7.8	8.8	2.4
Coal	0.3	0.3	0.3	0.3	0.3	0.3	-0.2
Nuclear	0.0	0.1	0.3	0.5	0.5	0.6	--
Renewables	0.1	0.3	0.5	0.6	0.6	0.7	8.0
<b>Total</b>	<b>7.9</b>	<b>8.8</b>	<b>9.8</b>	<b>10.7</b>	<b>11.5</b>	<b>12.6</b>	<b>1.8</b>
<b>Total energy consumption</b>							
Liquids	12.8	14.8	14.8	15.7	17.3	18.3	1.4
Natural gas	12.2	15.4	17.8	20.0	22.4	25.2	2.7
Coal	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Nuclear	0.0	0.1	0.3	0.5	0.5	0.6	--
Renewables	0.1	0.4	0.6	0.6	0.7	0.8	6.6
<b>Total</b>	<b>25.5</b>	<b>31.0</b>	<b>33.9</b>	<b>37.3</b>	<b>41.3</b>	<b>45.3</b>	<b>2.1</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D17. Delivered energy consumption in Africa by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.7	0.8	0.7	0.7	0.8	0.8	0.3
Natural gas	0.2	0.3	0.4	0.5	0.5	0.6	3.1
Coal	0.2	0.2	0.3	0.3	0.3	0.3	2.4
Electricity	0.6	0.7	0.8	1.0	1.1	1.2	3.0
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.7</b>	<b>2.0</b>	<b>2.2</b>	<b>2.4</b>	<b>2.7</b>	<b>2.9</b>	<b>2.0</b>
<b>Commercial</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	1.1
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Coal	0.1	0.1	0.1	0.1	0.2	0.2	2.1
Electricity	0.3	0.3	0.4	0.5	0.6	0.7	3.6
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>1.0</b>	<b>3.0</b>
<b>Industrial</b>							
Liquids	1.5	1.6	1.5	1.5	1.5	1.5	0.2
Natural gas	1.8	2.4	2.9	3.3	3.9	4.4	3.3
Coal	1.9	2.0	2.3	2.4	2.5	2.6	1.1
Electricity	0.9	1.1	1.4	1.6	1.8	2.0	2.9
Renewables	2.7	2.9	3.2	3.4	3.6	3.8	1.3
<b>Total</b>	<b>8.9</b>	<b>10.1</b>	<b>11.2</b>	<b>12.3</b>	<b>13.4</b>	<b>14.4</b>	<b>1.8</b>
<b>Transportation</b>							
Liquids	3.5	3.7	3.9	4.3	4.7	5.2	1.5
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	1.1
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	2.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>3.6</b>	<b>3.8</b>	<b>4.0</b>	<b>4.4</b>	<b>4.8</b>	<b>5.3</b>	<b>1.5</b>
<b>All end-use sectors</b>							
Liquids	5.8	6.2	6.3	6.6	7.1	7.7	1.0
Natural gas	2.1	2.8	3.3	3.9	4.5	5.1	3.3
Coal	2.2	2.4	2.6	2.8	3.0	3.1	1.2
Electricity	1.8	2.2	2.6	3.1	3.5	4.0	3.0
Renewables	2.7	2.9	3.2	3.4	3.6	3.8	1.3
<b>Delivered energy</b>	<b>14.6</b>	<b>16.5</b>	<b>18.0</b>	<b>19.8</b>	<b>21.7</b>	<b>23.7</b>	<b>1.8</b>
Electricity-related losses	4.2	5.0	5.5	6.1	6.8	7.7	2.3
<b>Total</b>	<b>18.8</b>	<b>21.5</b>	<b>23.6</b>	<b>25.9</b>	<b>28.5</b>	<b>31.4</b>	<b>1.9</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.7	0.7	0.6	0.6	0.6	0.6	-1.0
Natural gas	1.7	2.3	3.0	3.8	4.4	4.7	3.7
Coal	2.4	2.8	2.8	2.9	3.3	4.0	1.9
Nuclear	0.1	0.2	0.2	0.2	0.2	0.3	3.8
Renewables	1.0	1.3	1.5	1.7	1.9	2.2	3.0
<b>Total</b>	<b>5.9</b>	<b>7.2</b>	<b>8.1</b>	<b>9.2</b>	<b>10.4</b>	<b>11.7</b>	<b>2.5</b>
<b>Total energy consumption</b>							
Liquids	6.5	6.8	6.9	7.2	7.6	8.2	0.9
Natural gas	3.9	5.1	6.4	7.7	8.8	9.8	3.5
Coal	4.6	5.1	5.4	5.7	6.2	7.1	1.6
Nuclear	0.1	0.2	0.2	0.2	0.2	0.3	3.8
Renewables	3.7	4.3	4.7	5.1	5.6	6.0	1.9
<b>Total</b>	<b>18.8</b>	<b>21.5</b>	<b>23.6</b>	<b>25.9</b>	<b>28.5</b>	<b>31.4</b>	<b>1.9</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D18. Delivered energy consumption in Brazil by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	6.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.4	0.4	0.5	0.6	0.7	0.9	3.3
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>	<b>1.0</b>	<b>1.2</b>	<b>2.4</b>
<b>Commercial</b>							
Liquids	0.0	0.1	0.0	0.0	0.1	0.1	0.6
Natural gas	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.4	0.4	0.5	0.7	0.9	1.1	4.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.2</b>	<b>3.8</b>
<b>Industrial</b>							
Liquids	1.8	2.3	2.4	2.8	3.2	3.8	2.8
Natural gas	0.5	0.6	0.7	0.8	1.0	1.2	2.9
Coal	0.4	0.6	0.7	1.0	1.3	1.6	5.6
Electricity	0.7	0.7	0.9	1.0	1.3	1.5	3.0
Renewables	2.5	2.8	3.2	3.6	4.2	4.8	2.5
<b>Total</b>	<b>5.9</b>	<b>7.1</b>	<b>7.9</b>	<b>9.2</b>	<b>10.9</b>	<b>12.9</b>	<b>3.0</b>
<b>Transportation</b>							
Liquids	3.0	3.4	3.5	3.6	3.8	4.0	1.1
Natural gas	0.1	0.1	0.1	0.1	0.1	0.2	2.8
Coal	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	1.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>3.0</b>	<b>3.5</b>	<b>3.6</b>	<b>3.8</b>	<b>4.0</b>	<b>4.2</b>	<b>1.2</b>
<b>All end-use sectors</b>							
Liquids	5.1	6.0	6.3	6.7	7.4	8.1	1.8
Natural gas	0.6	0.8	0.9	1.0	1.2	1.4	2.9
Coal	0.4	0.6	0.7	1.0	1.3	1.6	5.6
Electricity	1.4	1.6	1.9	2.4	2.9	3.5	3.4
Renewables	2.5	2.8	3.2	3.6	4.2	4.8	2.5
<b>Delivered energy</b>	<b>10.0</b>	<b>11.8</b>	<b>13.0</b>	<b>14.6</b>	<b>16.9</b>	<b>19.4</b>	<b>2.5</b>
Electricity-related losses	2.7	3.7	4.4	5.3	6.3	7.5	3.8
<b>Total</b>	<b>12.7</b>	<b>15.5</b>	<b>17.3</b>	<b>19.9</b>	<b>23.2</b>	<b>26.9</b>	<b>2.8</b>
<b>Electric power<sup>a</sup></b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	-1.0
Natural gas	0.2	0.4	0.7	0.9	1.2	1.9	8.1
Coal	0.1	0.2	0.2	0.2	0.2	0.2	3.2
Nuclear	0.1	0.2	0.2	0.3	0.3	0.4	4.1
Renewables	3.5	4.4	5.0	6.1	7.4	8.3	3.2
<b>Total</b>	<b>4.1</b>	<b>5.2</b>	<b>6.3</b>	<b>7.6</b>	<b>9.2</b>	<b>11.0</b>	<b>3.7</b>
<b>Total energy consumption</b>							
Liquids	5.2	6.2	6.4	6.8	7.5	8.2	1.7
Natural gas	0.9	1.2	1.6	1.9	2.4	3.3	5.1
Coal	0.5	0.8	0.9	1.1	1.4	1.9	5.2
Nuclear	0.1	0.2	0.2	0.3	0.3	0.4	4.1
Renewables	6.0	7.2	8.2	9.7	11.5	13.1	2.9
<b>Total</b>	<b>12.7</b>	<b>15.5</b>	<b>17.3</b>	<b>19.9</b>	<b>23.2</b>	<b>26.9</b>	<b>2.8</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

**Table D19. Delivered energy consumption in Other Central and South America by end-use sector and fuel, 2008-2035**  
(Quadrillion Btu)

Sector/fuel	2008	Projections					Average annual percent change, 2008-2035
		2015	2020	2025	2030	2035	
<b>Residential</b>							
Liquids	0.4	0.4	0.3	0.3	0.3	0.4	-0.2
Natural gas	0.4	0.4	0.5	0.5	0.6	0.6	1.8
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Electricity	0.4	0.5	0.6	0.6	0.7	0.7	1.7
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>1.2</b>	<b>1.3</b>	<b>1.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.7</b>	<b>1.2</b>
<b>Commercial</b>							
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Natural gas	0.1	0.1	0.1	0.1	0.1	0.1	0.4
Coal	0.0	0.0	0.0	0.0	0.0	0.0	--
Electricity	0.3	0.4	0.4	0.5	0.5	0.6	2.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.7</b>	<b>1.6</b>
<b>Industrial</b>							
Liquids	2.1	2.1	1.9	1.7	1.7	1.6	-1.0
Natural gas	2.3	2.5	2.8	3.2	3.5	3.9	1.9
Coal	0.1	0.1	0.1	0.1	0.1	0.1	-0.1
Electricity	0.6	0.6	0.6	0.7	0.7	0.7	0.9
Renewables	0.7	0.7	0.7	0.8	0.8	0.9	1.0
<b>Total</b>	<b>5.8</b>	<b>5.9</b>	<b>6.1</b>	<b>6.4</b>	<b>6.8</b>	<b>7.2</b>	<b>0.8</b>
<b>Transportation</b>							
Liquids	3.3	4.1	4.8	5.3	5.8	6.3	2.5
Natural gas	0.2	0.1	0.1	0.2	0.2	0.2	1.5
Coal	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	-0.1
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	--
<b>Total</b>	<b>3.4</b>	<b>4.2</b>	<b>4.9</b>	<b>5.4</b>	<b>6.0</b>	<b>6.5</b>	<b>2.4</b>
<b>All end-use sectors</b>							
Liquids	5.8	6.6	7.1	7.4	7.9	8.4	1.3
Natural gas	3.0	3.1	3.5	3.9	4.4	4.8	1.8
Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Electricity	1.4	1.5	1.6	1.8	1.9	2.0	1.5
Renewables	0.7	0.7	0.7	0.8	0.8	0.9	1.0
<b>Delivered energy</b>	<b>10.9</b>	<b>11.9</b>	<b>13.0</b>	<b>13.9</b>	<b>15.0</b>	<b>16.1</b>	<b>1.5</b>
Electricity-related losses	4.1	3.6	3.9	4.2	4.4	4.7	0.5
<b>Total</b>	<b>15.0</b>	<b>15.6</b>	<b>16.9</b>	<b>18.1</b>	<b>19.5</b>	<b>20.8</b>	<b>1.2</b>
<b>Electric power<sup>a</sup></b>							
Liquids	1.0	1.0	0.9	0.9	0.8	0.8	-1.0
Natural gas	1.0	1.0	1.0	1.1	1.2	1.2	0.7
Coal	0.2	0.2	0.2	0.2	0.3	0.3	1.4
Nuclear	0.1	0.1	0.1	0.1	0.1	0.2	4.1
Renewables	3.1	2.8	3.2	3.7	3.9	4.1	1.1
<b>Total</b>	<b>5.5</b>	<b>5.1</b>	<b>5.5</b>	<b>6.0</b>	<b>6.3</b>	<b>6.7</b>	<b>0.8</b>
<b>Total energy consumption</b>							
Liquids	6.9	7.6	8.0	8.3	8.7	9.2	1.1
Natural gas	4.0	4.1	4.5	5.0	5.5	6.0	1.6
Coal	0.3	0.3	0.3	0.3	0.4	0.4	1.1
Nuclear	0.1	0.1	0.1	0.1	0.1	0.2	4.1
Renewables	3.8	3.5	3.9	4.4	4.7	5.0	1.0
<b>Total</b>	<b>15.0</b>	<b>15.6</b>	<b>16.9</b>	<b>18.1</b>	<b>19.5</b>	<b>20.8</b>	<b>1.2</b>

<sup>a</sup>Fuel inputs used in the production of electricity and heat at central-station generators.

Sources: 2008: Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of March 2011), website [www.eia.gov/ies](http://www.eia.gov/ies); and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2010), website [www.iea.org](http://www.iea.org) (subscription site). Projections: EIA, World Energy Projection System Plus (2011).

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