

**Table F4. Delivered energy consumption in Canada 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                    | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | -1.3                                        |
| Natural gas                     | 0.8         | 0.7         | 0.7         | 0.7         | 0.7         | 0.7         | 0.7         | -0.5                                        |
| Coal                            | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | -1.9                                        |
| Electricity                     | 0.7         | 0.7         | 0.7         | 0.7         | 0.7         | 0.7         | 0.7         | 0.2                                         |
| Renewables                      | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0                                         |
| <b>Total</b>                    | <b>1.5</b>  | <b>1.4</b>  | <b>1.4</b>  | <b>1.4</b>  | <b>1.4</b>  | <b>1.4</b>  | <b>1.4</b>  | <b>-0.2</b>                                 |
| <b>Commercial</b>               |             |             |             |             |             |             |             |                                             |
| Liquid fuels                    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | -1.0                                        |
| Natural gas                     | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.6         | 0.0                                         |
| Coal                            | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0                                         |
| Electricity                     | 0.5         | 0.6         | 0.6         | 0.7         | 0.7         | 0.7         | 0.8         | 1.2                                         |
| Renewables                      | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0                                         |
| <b>Total</b>                    | <b>1.1</b>  | <b>1.2</b>  | <b>1.3</b>  | <b>1.3</b>  | <b>1.3</b>  | <b>1.3</b>  | <b>1.3</b>  | <b>0.6</b>                                  |
| <b>Industrial</b>               |             |             |             |             |             |             |             |                                             |
| Liquid fuels                    | 2.1         | 2.3         | 2.4         | 2.5         | 2.6         | 2.7         | 2.8         | 0.9                                         |
| Natural gas                     | 2.5         | 2.7         | 2.8         | 3.0         | 3.1         | 3.2         | 3.3         | 0.9                                         |
| Coal                            | 0.1         | 0.2         | 0.2         | 0.2         | 0.2         | 0.2         | 0.2         | 0.9                                         |
| Electricity                     | 0.6         | 0.7         | 0.7         | 0.7         | 0.8         | 0.8         | 0.8         | 0.9                                         |
| Renewables                      | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.5                                         |
| <b>Total</b>                    | <b>5.8</b>  | <b>6.3</b>  | <b>6.5</b>  | <b>6.8</b>  | <b>7.1</b>  | <b>7.3</b>  | <b>7.5</b>  | <b>0.9</b>                                  |
| <b>Transportation</b>           |             |             |             |             |             |             |             |                                             |
| Liquid fuels                    | 2.4         | 2.7         | 2.6         | 2.5         | 2.4         | 2.4         | 2.4         | 0.0                                         |
| Natural gas                     | 0.1         | 0.1         | 0.2         | 0.2         | 0.2         | 0.2         | 0.2         | 1.6                                         |
| 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         | 0.1         | 0.1         | 0.1         | 13.1                                        |
| Renewables                      | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0                                         |
| <b>Total</b>                    | <b>2.6</b>  | <b>2.8</b>  | <b>2.8</b>  | <b>2.7</b>  | <b>2.7</b>  | <b>2.7</b>  | <b>2.8</b>  | <b>0.3</b>                                  |
| <b>All end-use sectors</b>      |             |             |             |             |             |             |             |                                             |
| Liquid fuels                    | 4.7         | 5.0         | 5.1         | 5.1         | 5.1         | 5.2         | 5.3         | 0.4                                         |
| Natural gas                     | 4.0         | 4.2         | 4.3         | 4.4         | 4.6         | 4.7         | 4.7         | 0.6                                         |
| Coal                            | 0.1         | 0.2         | 0.2         | 0.2         | 0.2         | 0.2         | 0.2         | 0.9                                         |
| Electricity                     | 1.8         | 1.9         | 2.0         | 2.1         | 2.2         | 2.3         | 2.4         | 0.9                                         |
| Renewables                      | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.5                                         |
| Delivered energy                | 11.0        | 11.7        | 12.0        | 12.3        | 12.5        | 12.8        | 13.0        | 0.6                                         |
| Electricity-related losses      | 3.8         | 3.6         | 3.7         | 3.8         | 3.9         | 4.1         | 4.2         | 0.3                                         |
| Discrepancy                     | -0.2        | -0.1        | -0.1        | -0.1        | -0.1        | -0.1        | -0.2        | --                                          |
| <b>Total</b>                    | <b>14.6</b> | <b>15.2</b> | <b>15.5</b> | <b>16.0</b> | <b>16.3</b> | <b>16.7</b> | <b>17.0</b> | <b>0.5</b>                                  |
| <b>Electric power</b>           |             |             |             |             |             |             |             |                                             |
| Liquid fuels                    | 0.0         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | -16.4                                       |
| Natural gas                     | 0.4         | 0.5         | 0.5         | 0.6         | 0.8         | 0.9         | 0.9         | 2.3                                         |
| Coal                            | 0.3         | 0.3         | 0.1         | 0.0         | 0.0         | 0.0         | 0.0         | -100.0                                      |
| Nuclear                         | 1.0         | 0.8         | 0.8         | 0.8         | 0.5         | 0.4         | 0.3         | -3.9                                        |
| Renewables                      | 3.9         | 3.9         | 4.3         | 4.6         | 4.9         | 5.1         | 5.4         | 1.1                                         |
| <b>Total</b>                    | <b>5.7</b>  | <b>5.6</b>  | <b>5.7</b>  | <b>6.0</b>  | <b>6.2</b>  | <b>6.4</b>  | <b>6.6</b>  | <b>0.5</b>                                  |
| <b>Total energy consumption</b> |             |             |             |             |             |             |             |                                             |
| Liquid fuels                    | 4.3         | 4.7         | 4.7         | 4.7         | 4.7         | 4.8         | 4.8         | 0.4                                         |
| Natural gas                     | 4.5         | 4.7         | 4.8         | 5.0         | 5.4         | 5.6         | 5.7         | 0.8                                         |
| Coal                            | 0.5         | 0.5         | 0.3         | 0.2         | 0.2         | 0.2         | 0.2         | -3.1                                        |

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| Sector and fuel | 2020        | 2025        | 2030        | 2035        | 2040        | 2045        | 2050        | Average annual<br>percentage change,<br>2020–2050 |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------------------|
|                 |             |             |             |             |             |             |             |                                                   |
| Nuclear         | 1.0         | 0.8         | 0.9         | 0.8         | 0.6         | 0.4         | 0.3         | -3.9                                              |
| Renewables      | 4.4         | 4.5         | 4.9         | 5.2         | 5.5         | 5.7         | 6.0         | 1.0                                               |
| <b>Total</b>    | <b>14.6</b> | <b>15.2</b> | <b>15.5</b> | <b>16.0</b> | <b>16.3</b> | <b>16.7</b> | <b>17.0</b> | <b>0.5</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.