

**Table E13.gen. Electricity generation: China, Low Economic Growth case**

billion kilowatthours

| Fuel                   | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  |
|------------------------|-------|-------|-------|-------|-------|-------|
| Liquid fuels           | 10    | 10    | 2     | 0     | 0     | 0     |
| Natural gas            | 267   | 272   | 416   | 593   | 592   | 592   |
| Coal                   | 4,313 | 3,952 | 3,453 | 3,233 | 3,223 | 3,270 |
| Nuclear                | 331   | 416   | 538   | 674   | 795   | 905   |
| Renewables             | 1,973 | 2,990 | 3,439 | 3,695 | 4,079 | 4,381 |
| Hydro                  | 1,117 | 1,266 | 1,334 | 1,381 | 1,448 | 1,448 |
| Wind                   | 574   | 899   | 1,001 | 1,001 | 1,001 | 1,001 |
| Geothermal             | 0     | 0     | 0     | 0     | 0     | 0     |
| Solar                  | 281   | 824   | 1,085 | 1,281 | 1,597 | 1,898 |
| Other                  | 0     | 1     | 19    | 31    | 33    | 34    |
| Net generation to grid | 6,893 | 7,640 | 7,848 | 8,194 | 8,689 | 9,149 |

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im\_210719.163843.

Notes:

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

\* *Net generation to grid* represents gross generation less losses from thermal efficiency and parasitic load.

| Average annual<br>percentage change, |           |
|--------------------------------------|-----------|
| 2050                                 | 2020–2050 |
| 0                                    | -14.5     |
| 592                                  | 2.7       |
| 3,233                                | -1.0      |
| 1,002                                | 3.8       |
| 4,478                                | 2.8       |
| 1,448                                | 0.9       |
| 1,001                                | 1.9       |
| 0                                    | 0.0       |
| 1,994                                | 6.7       |
| 35                                   | --        |
| 9,304                                | 1.0       |