

**Table E13.cap. Electricity installed generating capacity: China, Low Economic Growth case**

gigawatts

| <b>Fuel</b>           | <b>2020</b>  | <b>2025</b>  | <b>2030</b>  | <b>2035</b>  | <b>2040</b>  | <b>2045</b>  |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Liquid fuels          | 7            | 7            | 1            | 0            | 0            | 0            |
| Natural gas           | 88           | 102          | 164          | 233          | 233          | 233          |
| Coal                  | 1,087        | 1,101        | 1,101        | 1,101        | 1,101        | 1,101        |
| Nuclear               | 48           | 59           | 77           | 96           | 113          | 129          |
| Renewables            | 691          | 1,077        | 1,249        | 1,350        | 1,503        | 1,631        |
| Hydro                 | 322          | 365          | 385          | 398          | 417          | 417          |
| Wind                  | 184          | 298          | 333          | 333          | 333          | 333          |
| Geothermal            | 0            | 0            | 0            | 0            | 0            | 0            |
| Solar                 | 169          | 399          | 509          | 592          | 726          | 853          |
| Other                 | 15           | 15           | 22           | 27           | 27           | 27           |
| Battery storage       | 0            | 0            | 0            | 0            | 61           | 132          |
| <b>Total capacity</b> | <b>1,921</b> | <b>2,346</b> | <b>2,591</b> | <b>2,780</b> | <b>3,012</b> | <b>3,225</b> |

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.

| Average annual<br>percentage change, |           |
|--------------------------------------|-----------|
| 2050                                 | 2020–2050 |
| 0                                    | -14.5     |
| 233                                  | 3.3       |
| 1,101                                | 0.0       |
| 143                                  | 3.7       |
| 1,671                                | 3.0       |
| 417                                  | 0.9       |
| 333                                  | 2.0       |
| 0                                    | 0.0       |
| 894                                  | 5.7       |
| 27                                   | 1.9       |
| 167                                  | --        |
| 3,315                                | 1.8       |