

**Table E3.cap. Electricity installed generating capacity: United States, High Economic Growth case**

gigawatts

| Fuel            | 2020  | 2025  | 2030  | 2035  | 2040  | 2045  | 2050  | Average annual<br>percentage change,<br>2020–2050 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|---------------------------------------------------|
|                 |       |       |       |       |       |       |       |                                                   |
| Liquid fuels    | 74    | 59    | 51    | 47    | 47    | 45    | 45    | -1.6                                              |
| Natural gas     | 429   | 515   | 565   | 613   | 674   | 743   | 826   | 2.2                                               |
| Coal            | 221   | 143   | 125   | 119   | 115   | 112   | 111   | -2.3                                              |
| Nuclear         | 97    | 92    | 80    | 78    | 78    | 77    | 77    | -0.8                                              |
| Renewables      | 331   | 486   | 595   | 680   | 751   | 844   | 951   | 3.6                                               |
| Hydro           | 79    | 80    | 80    | 80    | 80    | 80    | 80    | 0.0                                               |
| Wind            | 127   | 198   | 211   | 227   | 230   | 234   | 246   | 2.2                                               |
| Geothermal      | 2     | 3     | 4     | 5     | 6     | 6     | 7     | 3.5                                               |
| Solar           | 84    | 167   | 261   | 328   | 394   | 480   | 574   | 6.6                                               |
| Other           | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 0.5                                               |
| Battery storage | 3     | 11    | 13    | 16    | 16    | 20    | 24    | 7.0                                               |
| Total capacity  | 1,155 | 1,306 | 1,429 | 1,553 | 1,681 | 1,841 | 2,035 | 1.9                                               |

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hm\_210719.163753; 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.