

Table E2.cap. Electricity installed generating capacity: Americas, Low Zero-carbon Technology Cost case

gigawatts

| Fuel | 2022 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | Average annual percentage change, 2022–2050 |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| Liquid fuels | 141 | 126 | 94 | 69 | 56 | 52 | 49 | -3.7% |
| Natural gas | 629 | 659 | 722 | 749 | 759 | 766 | 770 | 0.7% |
| Coal | 227 | 195 | 110 | 91 | 80 | 65 | 49 | -5.3% |
| Nuclear | 114 | 116 | 114 | 107 | 92 | 81 | 110 | -0.1% |
| Renewables | 788 | 969 | 1,383 | 1,672 | 1,905 | 2,250 | 2,586 | 4.3% |
| Hydro | 362 | 376 | 382 | 386 | 388 | 388 | 388 | 0.3% |
| Wind | 200 | 238 | 415 | 496 | 559 | 654 | 704 | 4.6% |
| Geothermal | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 2.0% |
| Solar | 159 | 288 | 517 | 719 | 885 | 1,127 | 1,409 | 8.1% |
| Other | 62 | 63 | 64 | 66 | 67 | 73 | 78 | 0.8% |
| Battery storage | 6 | 19 | 43 | 99 | 148 | 222 | 297 | 14.7% |
| Pumped hydro | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 0.0% |
| Total capacity | 1,929 | 2,107 | 2,490 | 2,810 | 3,062 | 3,458 | 3,883 | 2.5% |

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run lz_230821.151531 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.