Figure 65 · Wind, Solar and Nuclear Installed Capacity and Electricity Production in the World

Wind, Solar and Nuclear Capacity and Electricity Production in the World 2000–2022

Installed Capacity
in GWe

Annual Production
in TWh/year

Solar
Wind
Nuclear
Nuclear (excl. LTO)


350 367 372 389 394 368
17 58 80 241 234 286

2,452 2,630 2,630 2,447 2,556 2,084
104 224 343 823 1,309 846

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Sources: WNISR with IAEA-PRIS, IRENA, Energy Institute, 2023

Note pertaining to Figure 65 to Figure 73 (except Figure 70):
Unless otherwise indicated, production data for renewables and nuclear are in net TWh from Energy Institute “Statistical Review of World Energy 2023 – Consolidated Dataset”; gross production numbers from Energy Institute are used for comparisons with fossil fuels (for which net data are not available).1816
Numbers for installed capacity for renewables are from IRENA1817, and for nuclear capacity compiled by WNISR, based on IAEA-PRIS.

1816 - Energy Institute “Statistical Review of World Energy 2023 – Consolidated Dataset”, see https://www.energyinst.org/statistical-review/resources-and-data-downloads; gross production numbers from Energy Institute are used for comparisons with fossil fuels (for which net data are not available).