









Ifri Energy Transition Scorecard 2021

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|--|---|---|---|---|
| GHG emissions per capita, 2018 (tonnes) and total emissions (thousand tonnes of CO₂eq) <i>(OECD, JRC, Eurostat)</i> | 7 3 758 426 | 8 9 957 000 | 16.1 6 676 650 | 9.4 1 238 342 |
| GHG emissions difference, 2018- 2015 (thousand tonnes of CO₂eq) and % <i>(OECD)</i> | - 64 800 - 1.7% | 277 000 + 2.9% | 278.19 + 0.01% | - 81 458 - 6.17% |
| Installed solar capacity additions, 2013 - 2020 (GW) <i>(IEA, SolarPowerEurope, other industry associations)</i> | 75.2 | 233.2 | 105.5 | 56.3 |
| Installed onshore wind capacity additions, 2013 – 2020 (GW) <i>(Industry associations, Ifri estimate, NDRC)</i> | 57.4 | 195.6 | 68.8 | 1 |
| Installed offshore wind capacity additions, 2013 - 2020 (GW) <i>(Industry associations)</i> | 19.6 | 5.9 | 0.042 | 0,07 |
| Electric cars sales, 2020 (thousands) <i>(IEA, car industry associations)</i> | 1 288 | 1 337 | 328 | 31 |
| Public charge points for EVs, 2020 <i>(University of Columbia, National Renewable Energy Laboratory, US Department of Energy, OECD, European Federation for Transport and Environment)</i> | 160 000 | 330 000 | 85 602 | 25 000 |
| CCUS/CCS facilities under construction by end of 2020 <i>(Global CCS Institute)</i> | 1 | 2 | 1 | 1 |
| Share in global semiconductors supplies (%) <i>(World semi conductors trade statistics, Ifri estimates)</i> | 10 | 5 | 47 | 8 |

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| Nuclear reactors under construction <i>(Nuclear Energy Institute)</i> | 2 | 11 | 2 | 2 |
| Operational nuclear electrical capacity (MW), 2020 <i>(International Atomic Energy Agency, Ifri)</i> | 99 691 | 52 000 | 99 648 | 8000 |
| Nuclear Electricity Supplied (TWh), 2019 <i>(International Atomic Energy Agency)</i> | 660.8 | 330.1 | 809.4 | 65.7 |
| Share of coal in the electricity mix, 2019 <i>(International Energy Agency, UK Department for Business, Energy & Industrial Strategy, Global Energy Monitor)</i> | 14.6% | 65% | 23% | 31.9% |
| Coal plants or units under construction by early 2020 <i>(Global Energy Monitor)</i> | 3 | 92 | 0 | 10 |
| Energy Intensity, 2019 (koe/\$2015p) Energy intensity variation 2015 – 2019 <i>(Enerdata)</i> | 0.073 - 14.1% | 0.128 -15.2% | 0.111 -7.5% | 0.079 -5.9% |
| Oil demand per capita, 2019 (barrels per day) <i>(IEA, EIA)</i> | 0,027 | 0,01 | 0,058 | 0,031 |
| Lithium-ion battery cell production share (% of world production), 2019 <i>(McKinsey)</i> | 3% | 73% | 12% | 5.4% |
| Carbon intensity of industry energy consumption (2018, grCO2/MJ) <i>(IEA data and statistics)</i> | 36,9 | 64 | 39,6 | 55,7 |