




Scotland's current generation capacity




Scotland's current winter peak gross demand is 4GW, rising to approximately 6GW by 2030. Its generation capacity is 17.8GW and, based on energy modelling from National Grid ESO, it could potentially rise to 43GW by 2030





Energy Just Transition Plan (ESJTP) is expected to be published in May 2024 and will set out a vision for Scotland's energy system to 2045 and a route map of ambitions and actions

Scotland's current maximum consumption is 5GW - peak winter load 




Total inward investment figures | c. £6-8bn total

Jobs | One datacentre - 154 jobs, average salary £72k (high value) 




Energy demand from datacentres | 200MW, 500MW and 600MW (1.3GW total)


Current curtailment payments



Overall, from January 2021 to April 2023, £1.5 billion has been spent to curtail more than 6.5 TWh of wind power resulting in 2.5 million tonnes of emissions



The cost of paying windfarms to "switch off" has soared, from £143 million in 2021 to £227 million in 2022, an increase of £84 million, or 60%



Scotland has 12GW of wind farms

Agencies involved







Partners involved













