

Bitcoin Energy Consumption Index Chart



Click and drag in the plot area to zoom in



Zoom

From To

BitcoinEnergyConsumption.com

<https://digiconomist.net/bitcoin-energy-consumption>

Key Network Statistics

Description	Value
Bitcoin's current estimated annual electricity consumption* (TWh)	69.95
Annualized global mining revenues	\$6,084,977,937
Annualized estimated global mining costs	\$3,497,452,665
Current cost percentage	57.48%
Country closest to Bitcoin in terms of electricity consumption	Chile
Estimated electricity used over the previous day (KWh)	191,641,242
Implied Watts per GH/s	0.207
Total Network Hashrate in PH/s (1,000,000 GH/s)	38,662.00
Electricity consumed per transaction (KWh)	1,014
Number of U.S. households that could be powered by Bitcoin	6,476,764
Number of U.S. households powered for 1 day by the electricity consumed for a single transaction	34.26
Bitcoin's electricity consumption as a percentage of the world's electricity consumption	0.31%
Annual carbon footprint (kt of CO2)	34,275
Carbon footprint per transaction (kg of CO2)	496.79


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Ethereum Network Statistics

Description	Value
Ethereum's current estimated annual electricity consumption (TWh)	19.78
Annualized global mining revenues	\$5,055,007,036
Annualized estimated global mining costs	\$2,373,143,766
Country closest to Ethereum in terms of electricity consumption	Iceland
Estimated electricity used over the previous day (KWh)	54,181,365
Implied Watts per MH/s	9.733
Break-even Watts per MH/s (based on 5 cents per KWh)	20.731
Electricity consumed per transaction (KWh)	67.00
Number of U.S. households that could be powered by Ethereum	1,831,129
Number of U.S. households powered for 1 day by the electricity consumed for a single transaction	2.25
Ethereum's electricity consumption as a percentage of the world's electricity consumption	0.09%

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Energy Consumption by Country inc. Bitcoin & Ethereum

