Average Power Used Per Person in the U.S.

Total energy used/year in the US $\approx$ 100 Q $= 100 \times 10^{15}$ BTU [1] $= 10^{17} \times 1055$ Joules $\approx 10^{20}$ Joules .

Average power used in the US *continuously* throughout the year is just energy/time, so $P_{ave} = 10^{20}$ Joules /year $= 10^{20}$ Joules $/3.2 \times 10^7$ sec $\approx 3 \times 10^{12}$ Watts .

Average power used per person $= 3 \times 10^{12}$ Watts $/300 \times 10^6$ people $\approx 10^4$ Watts $= 10kW$.

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[1] British Thermal Unit