

WORLD MAP: ENERGY CONSUMPTION PER CAPITA

Using real data, this map shows world population and average access to electricity and reliability.

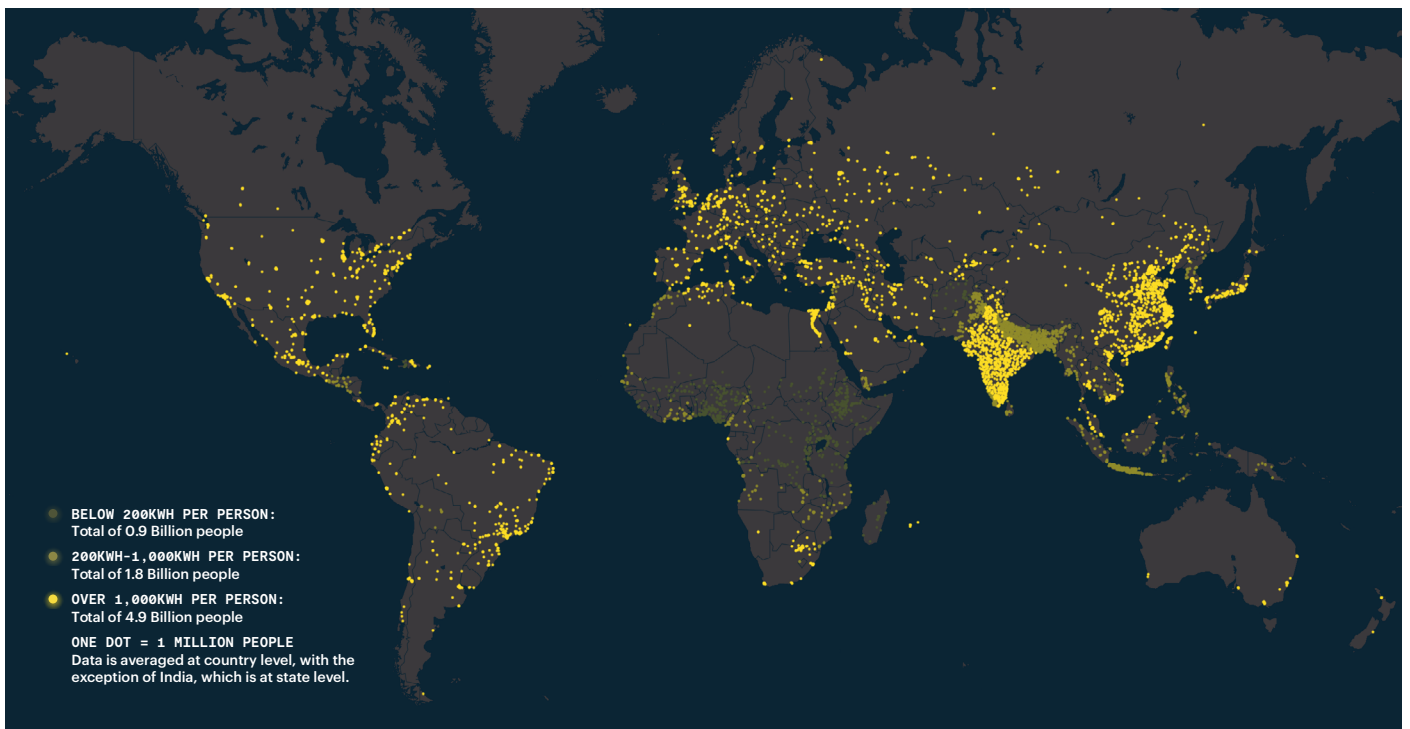
The map follows the principles of a dot density map to display UN population estimates. Each dot represents one million people. The dots are randomly distributed across urban areas (i.e. agglomerations of over 200,000 inhabitants), based on data for each country.

The dots are therefore not an exact representation of reality: small settlements and countries with fewer than one million people will not receive any dots, and random dot distribution means that not all urban areas will be represented by a dot, while some might receive multiple dots.

Increased access to productive power is essential for countries to raise incomes and move to middle-income status. Historical data show that gross national incomes (GNI) and electricity consumption are strongly correlated across countries and over time within the same country. A cross-country estimate suggests that national average electricity consumption of 1,000 kWh per person per year corresponds to an annual income of about \$2,500 per person—roughly the midpoint for lower-middle income status. Using this country-level indicator as a modern energy minimum could complement existing household access measurements to help target the next step on the energy ladder. See the proposal [here](#).

This map estimates where countries stand today.

Global electricity consumption per person





ELECTRIFYING ECONOMIES

The Electrifying Economies project

demonstrates the role distributed energy will play in ending energy poverty and catalyzing a green and equitable recovery from the Covid-19 crisis. It draws on the latest data and research from around the world to show how distributed renewables can provide sustainable, affordable, and reliable power for all. The project provides information to support policy makers and investors in taking action today, to realize this potential.



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