Historical energy usage and projected energy usage under doubled computing demand

Doubled demand (relative to 2018) reflects current efficiency trends continuing alongside predicted growth in compute instances.

Global data center compute instances

Major end-use category
- Servers
- Storage
- Network
- Infrastructure

Data center type
- Traditional
- Hyperscale
- Cloud (nonhyperscale)

Data center region
- Asia Pacific
- CEE, LA, and MEA
- North America
- Western Europe

Global compute instances (millions)

Electricity use (TWh/year)

Electricity use (TWh/year)

Electricity use (TWh/year)