

Information topic	Details
Indicator name	Total energy consumed, by fuel type and sector
Domain and topic	Climate change: Energy
Indicator definition and units	<p>Total energy (in petajoules, PJ) consumed in New Zealand, by sector:</p> <ul style="list-style-type: none"> • agriculture, forestry and fishing • industrial • commercial and public services • domestic transport • residential <p>and by fuel type:</p> <ul style="list-style-type: none"> • oil • electricity • gas • renewables • coal
Data source	<ul style="list-style-type: none"> - Ministry of Business, Innovation & Employment. ‘Energy in New Zealand’ annual report. Available from https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/ - Stats NZ. Historical population estimates. Available from http://archive.stats.govt.nz/browse_for_stats/population/estimates_and_projections/historical-population-tables.aspx
Numerator	Amount of energy consumed by sector and by fuel type in a calendar year.
Denominator	Total amount of energy consumed per calendar year
Methodology	Energy consumed includes all energy used by final consumers (i.e. consumer energy demand observed). It does not include energy used for transformation, or non-energy use (use of fuels to produce non-energy products).
Time period and time scale	Annual; from 1990 onwards
Spatial Coverage	National

Measures of frequency	<ul style="list-style-type: none"> • Total energy consumption, by fuel type • Total energy consumption, by sector • Total energy consumption, by fuel type and sector • Total energy consumption per 1,000,000 population, by fuel type • Total energy consumption per 1,000,000 population, by sector
Limitations of indicator	Methodology changes affecting how MBIE classifies energy use into sectors mean that EHINZ publications prior to 2023 are not comparable to those produced afterwards.
Limitations of data source	Complete datasets are not available prior to 1990. Methodology changes mean that publications dating from 2022 onwards are not comparable to earlier releases.
Created by	Ministry of Business, Innovation & Employment
Related indicators	<ul style="list-style-type: none"> • Number of days above 25°C • Number of days with extreme rainfall and soil moisture deficit • Number of motor vehicles • PM_{2.5} and PM₁₀ concentrations • Carbon monoxide concentrations • Nitrogen dioxide concentrations
For more information	Ministry of Business, Innovation & Employment. Energy in New Zealand. URL: https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-publications-and-technical-papers/energy-in-new-zealand/