

Indicator 12.a.1

Indicator Name, Target and Goal

Indicator 12.a.1 Installed renewable energy-generating capacity in developing and developed countries (in watts per capita) (repeat of 7.b.1)

Target 12.a Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production

Goal 12 Ensure sustainable consumption and production patterns

Definition and Rationale

○ Definition

Amount of electricity generated from renewable energy sources in each fiscal year (kWh) divided by the population (persons) in that fiscal year

○ Concepts

Electricity generated from renewable energy sources (kWh) : Total amount of electricity supplied by renewable energy generation facilities during a given elapsed time

Population (persons): Nationwide population based on the Basic Resident Ledger as of January 1 in each fiscal year

○ Rationale and Interpretation:

The actual amount of renewable electricity produced divided by the population, and is appropriate in terms of a rough estimate of the supply of renewable energy to all people.

Data Sources and Collection Method

Electricity generated from renewable energy sources: Comprehensive Energy Statistics

Population: Basic Resident Ledger

Method of Computation and Other Methodological Considerations

○ Computation Method

A: Electricity generated from renewable energy sources (kWh)

B: Population (people)

○ Comments and limitations

It should be noted that the situation, policies, and goals for the introduction of renewable energy differ from country to country and are not generally under the same conditions.

Data Disaggregation

None in particular

References

(Comprehensive Energy Statistics)

https://www.enecho.meti.go.jp/statistics/total_energy/

(Basic Resident Register)

https://www.soumu.go.jp/main_sosiki/jichi_gyousei/daityo/gaiyou.html

Custodian Ministries of Data

Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry

Custodian Ministries of Related Policies

Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry

International Organizations

International Renewable Energy Agency (IRENA)