



Original Purposes & Multi-applications of National Statistics Used for Japan's GHG Inventory - Energy Sector -

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Major and common problem



◆ **Lack of activity data**

- *Energy balance sheet in the country as Fuel Importation and Consumption by type of fuel*
- *Lack of detailed data for Transport – Aviation, Road, Rail, Navigation , Agriculture/Forestry/Fishing – Stationary and Mobile sources*
- *Lack of information on fuel consumption in order to cover each industry*

Japan's major statistics on energy sector

◆ *Yearbook of Production, Supply and Demand of Petroleum, Coal and coke* (Ministry of Economy, Trade and Industry)

◆ *Survey on Transport Energy* (Ministry of Land, Infrastructure and Transport)

etc

etc

◆ *General Energy Statistics*

(Ministry of Economy, Trade and Industry)

➤ The supply/conversion and consumption data in General Energy Statistics use official statistics.

✓ In order to report CO2 emissions in CRF, emissions reported under the sectors in Japan's Energy Balance Table (General Energy Statistics) were reported under each sector in CRF

What's the purpose of the statistical survey? -General Energy Statistics-



◆ General Energy Statistics helps with planning for energy and environmental policy, and with measuring and assessing policy effectiveness

◆ General Energy Statistics also helps to understand energy supply and demand and to make judgments about the situation

Basic Structure of General Energy Statistics

✓ *General Energy Statistics* provides a comprehensive overview of domestic energy supply and demand with energy sources and sectors arranged in a matrix.

Energy source: "Columns"

Supply and demand sectors: Rows

	Steelmaking coal	Coke	Coal tar	Coke oven gas	Electricity	Total
Primary energy supply						
Imports	Steelmaking coal(Supply +100)					
Energy conversion						
Steel coke	Steelmaking coal(Inputs -100)					Loss+2
		75	3	20		
Independent power production				-20		Loss+12
					8	
Final energy consumption					8	Total+86

Basic Policy on Preparing General Energy Statistics



- ◆ In structuring the data, sources as well as the estimation processes and particulars are explained to the greatest possible extent.
- ◆ For the basic statistics of the consumption sector, General Energy Statistics wherever possible uses statistics which are indicative of consumption, based on international provisions such as the IPCC and UNFCCC guidelines.

Summary



➤ The major problem is lack of activity data

Necessity of basic statistics

➤ The statistical surveys Japan's major statistics on energy sector are conducted by

- Ministry of Economy, Trade and Industry
- Ministry of Land, Infrastructure and Transport

➤ The practical use of statistical data are

- to develop the basis for economic system, thus to contribute to economic policy of own country
- and to develop the basis safety transport system



Thank you for your attention