



SCREENING CHAPTER 18 STATISTICS

ENERGY

**Country Session: The Republic of TURKEY
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- **Energy Quantities**
 - Structural Energy Statistics
 - Short-term Energy Statistics
 - Electricity Generation and Distribution Statistics
- **Energy Prices**
- **Energy Consumption Statistics**

Energy Quantities

Energy quantity statistics consist of structural energy statistics and short-term energy statistics

Structural Energy Statistics

Covers the detailed annual production, stocks, import-export and consumption statistics concerning the main energy sources:

- Electricity and Heat
- Coal
- Oil
- Natural Gas
- Renewables and Waste

These statistics are produced by the related institutions of Ministry of Energy and Natural Resources

Energy Quantities-Structural Energy Statistics (cont'd)

Electricity and Heat

Responsible Institution

Turkish Electricity Transmission Corporation (TEIAS)

Stakeholders

Electricity Generation Corporation (EUAS)

Turkish Electricity Distribution Corporation (TEDAS)

Coverage: All power plants at national level

Data sources

Administrative registers for electricity, survey (by mail) for electricity and heat data of autoproducers and generation companies

Energy Quantities-Structural Energy Statistics (cont'd)

Electricity and Heat (cont'd)

Variables

- Fuel input and electricity/heat production, supply and consumption
- Electricity capacity by source and type of generation
- Import-export
- Operational Combined Heat and Power units, capacity and production by type of cycle and fuel input and electricity/heat production by fuel

Periodicity: Annual

Energy Quantities-Structural Energy Statistics (cont'd)

Coal

Responsible Institution: General Directorate of Energy Affairs (EIGM)

Coverage

All coal production, imports and exports, major coal consumers in the industry sector at national level

Data sources

- Administrative registers for production and foreign trade data
- Survey (by mail) for coal stocks and coal consumption of large scale consumers

Periodicity: Annual

Dissemination: Annual release on web site of Ministry of Energy and Natural Resources

Energy Quantities-Structural Energy Statistics (cont'd)

Oil

Responsible Institution

General Directorate of Petroleum Affairs (PIGM)

Coverage: All upstream and downstream companies

Data source: Administrative registers

Variables

- Oil reserves, production projection
- Petroleum balance (production, imports, exports, stocks, consumption)

Periodicity: Annual

Dissemination: Annual release on web site of General Directorate of Petroleum Affairs

Energy Quantities-Structural Energy Statistics (cont'd)

Gas

Responsible Institution

General Directorate of Petroleum Affairs

Coverage: All gas producers and transmitters at national level

Data source: Administrative registers

Periodicity: Annual

Dissemination: Annual release on web site of General Directorate of Petroleum Affairs



Energy Quantities-Structural Energy Statistics (cont'd)

Renewables and Waste

Responsible Institution: General Directorate of Energy Affairs

Coverage: All renewable energy producers at national level

Data sources

Administrative registers for hydro, wind and geothermal energy

Survey for black liquor, liquid sulphur, biogas as fuel

Periodicity: Annual

Dissemination: Annual release on web site of Ministry of Energy and Natural Resources

Energy Quantities-Short-term Energy Statistics

- Relevant authorities of the Ministry of Energy and Natural Resources produce M-1 short-term statistics
- For the more detailed M-3 questionnaires, electricity data are compiled partially
- Data for MOS questionnaire is being compiled, but the methodological studies are still going on to remove the compliance problems of the definitions of variables

Energy Quantities-Short-term Energy Statistics (cont'd)

Electricity

Responsible Institution

Turkish Electricity Transmission Corporation

Coverage: All electricity generation companies at national level

Data sources: Administrative registers

Variables: Gross electricity production by fuels, import-export

Periodicity: Monthly

Energy Quantities-Short-term Energy Statistics (cont'd)

Joint Oil Data Initiative (JODI) (M-1)

Responsible Institution

General Directorate of Petroleum Affairs

Coverage: All upstream and downstream companies

Data source: Administrative registers

Variables: Production, import, export and stocks of crude oil and petroleum products

Periodicity: Monthly



Energy Quantities-Short-term Energy Statistics (cont'd)

Gas (M-1)

Responsible Institution: Turkish Pipeline Corporation (BOTAS)

Coverage: All gas producers and transporter at national level

Data sources: Administrative registers

Variables: Production, import, export and stocks of gas

Periodicity: Monthly

Dissemination: Annual release on web site of Turkish Pipeline Corporation



Energy Quantities-Short-term Energy Statistics (cont'd)

Monthly Oil and Gas Survey (MOS) (M-3)

Responsible Institution: General Directorate of Petroleum Affairs

Coverage: All upstream and downstream companies

Data source: Administrative registers

Periodicity: Monthly

Energy Quantities-Quarterly Electricity Generation and Distribution Statistics

TURKSTAT has produced quarterly electricity generation and distribution statistics since 1997

Responsible Institution: TURKSTAT

Stakeholder: Turkish Electricity Transmission Corporation

Coverage: All electricity generation and distribution companies, autoproducers at national level

Data sources

- Administrative registers for production
- Survey (by mail) for distribution

Energy Quantities-Quarterly Electricity Generation and Distribution Statistics (cont'd)

Variables

- Produced quantity
 - Type of generation plant
 - Type of energy source
- Distributed quantity
 - Type of users

Periodicity: Quarterly

Dissemination: A quarterly press release both on paper and electronic media

Energy Prices

Responsible Institution

General Directorate of Energy Affairs

Coverage

Gas

- Ankara gas price of distribution company for households
- BOTAS gas price at national level for industrial users

Electricity

- The electricity price for regular industrial end user and household subscribers

Data sources: Administrative registers

Variables: Electricity and Natural Gas prices for household and industry

Periodicity: Annual

Energy Consumption Statistics

- The “Energy Consumption in Households Survey” was conducted for reference year of 1998 by TURKSTAT
- From 1995 to 2001, an annual Energy Consumption Survey in Manufacturing Industry was conducted covering the establishments having more than 500 TOE energy consumption
- The “Energy Consumption of Enterprises Survey” is conducted at present for reference year of 2005

Coverage

Enterprises at national level which have activities of NACE Rev 1.1:

C-Mining and quarrying (20+ or 50+)

D-Manufacturing (20+ or 50+)

E-Electricity, gas and water supply (20+)



Energy Consumption Statistics (cont'd)

Coverage (cont'd)

F-Construction (50+)

G-Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods (20+)

H-Hotels and restaurants (20+)

I-Transport, storage and communication (20+)

J-Financial intermediation (20+)

K-Real estate, renting and business activities (20+)

M-Education (20+)

N-Health and social work (20+)

O-Other community, social and personal service activities (20+, excluding non-profit organizations)



Energy Consumption Statistics (cont'd)

Variables

- Quantities of purchase and consumption by area of use and by fuel type, excluding electricity
- Quantity and value of electricity purchased, generated, sold
- Electricity consumption by area of use

Data Source: Survey at enterprises

Classifications

- NACE Rev 1.1 for enterprises
- PRODTR for fuels

Periodicity: Multi-annual