



Statistical Centre of Iran

Introduction on energy statistics

WHY AND HOW TO COLLECT NECESSARY ENERGY STATISTICS

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The importance of energy

- ▶ Energy is fundamental for **socio-economic** development.
- ▶ Energy is a **major component** of any economy: GDP, balance of payment, trade, taxation, employment, etc.
- ▶ The availability of and access to energy and energy sources is particularly essential to **poverty reduction** and **improvements in the standards of living**.

The importance of energy

- ▶ Demand for energy is increasing so, there are growing concerns about:

The sustainability and reliability of the current production

Consumption patterns

The impact of the use of fossil fuel on the environment

Why collect energy statistics?

Why collect energy statistics?

- ▶ Timely, high quality, systematically compiled statistics is important for **decision making**.
- ▶ Energy statistics can be applied for understanding and analyzing the role of energy in the economy.

Main uses of energy statistics:

- ▶ **Economic planning and development**
- ▶ **Socioeconomic development**
- ▶ **Environmental impacts**
- ▶ **Policy development**
- ▶ **Monitoring Sustainable Development Goals**

Who need energy data?

- ▶ **Policymakers**
- ▶ **Companies**
- ▶ **Commodity Traders**
- ▶ **Compilers and users of national account**
- ▶ **Compilers of the system of SEEA-E**
- ▶ **International organizations**
- ▶ **General public**
- ▶ **Researchers**

Responsible for compilation and dissemination of official statistics

- ▶ **National statistical offices**
- ▶ **Ministries of energy**
- ▶ **Other organization agencies**

Which organizations are responsible for compilation and dissemination of official statistics in Azerbaijan?

The manual for energy statistics

- ▶ **IRES:** international recommendation for energy statistics
- ▶ **ESCM:** energy statistics compilers manual: additional guidance on more practical /technical matters to assist countries in the implementation of IRES
- ▶ **SEEA-A:** System of Environmental-Economic Accounting for Energy

Resources

- ▶ UNSD, 2016, International Recommendations for Energy Statistics, <https://unstats.un.org/UNSD/energy/ires/default.htm>
- ▶ OECD, 2014, International Energy Agency, Energy Efficiency Indicators: Fundamentals on Statistics
- ▶ IRENA, International Renewable energy agency, Introduction to energy statistics