



# Use of Electric and Thermal Energy from Renewable Sources

EUROSAI WGEA Environmental Auditing Seminar  
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## **Parliamentary resolution on use of energy from renewable sources - 1999**

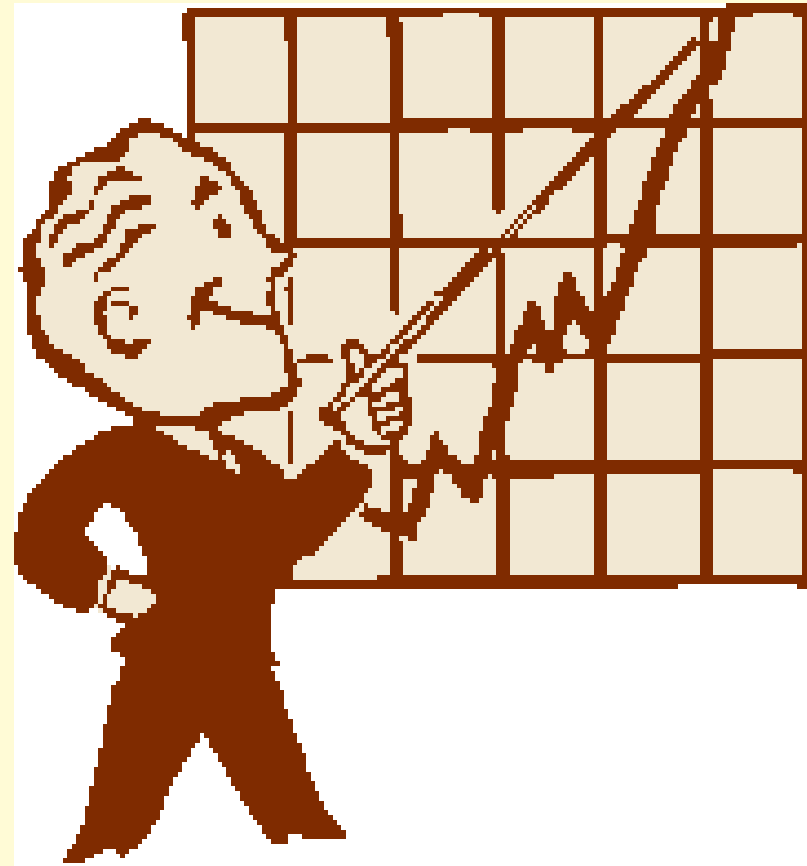
- increasing use of energy from renewable sources should be an integral part of Poland's sustainable development
- strategy for renewable energy development should be harmonised with energy manufacturing and ecological policies

# National Strategy for Renewable Energy Development - 2000

Share of energy  
from renewable sources

**2010 - 7.5%**

**2020 - 14%**



**Energy trading companies are  
obliged  
to purchase energy from  
renewable sources**

**Year 2003 - the NIK audited how  
the obligation was observed**

# Audit objectives

- to evaluate how the obligation was implemented by energy trading companies
- to evaluate how the Strategy for Renewable Energy Development was implemented



## **Audited bodies:**

- Ministry of Economy
- 17 energy companies

## **Audited period:**

2001 - 2003

# Main audit findings

Minister of Economy did not perform all of his tasks in the field of renewable energy manufacturing :

- system of guarantees on the origin of electrical energy coming from renewable sources was not established
- databases on available technologies of manufacturing energy from renewable sources was not established

# Main audit findings - cont.

Legal and economic base for developing renewable energy - created:

- the obligation to assess local renewable energy sources and the efficiency of their use, in local energy manufacturing balances - established in the law
- acquiring licences for manufacturing energy from renewable sources - rules and procedures simplified
- economic instruments designed to increase profitability of renewable energy sources - established

## Audit findings - cont.

Development of renewable energy sources, did not guarantee sufficient supplies of energy from such sources - implementing the legal obligation to purchase required amount of energy from renewable sources was impossible to fulfil for all energy trading companies

# Audit findings - cont.

## Negative financial results of trading

- purchasing energy from renewable sources at prices higher than those used for calculating tariffs
- average price levels expected by manufacturers of energy from renewable sources exceeded price levels actually achieved

# Audit recommendations

- to establish a minimum amount of purchased energy, on exceeding which company would be obligated to purchase energy from renewable sources
- to intensify actions towards developing a system of guarantees on the origin of energy from renewable sources

# Audit recommendations cont.

- to speed up actions towards developing and implementing the so called “Green Certificates” to facilitate trade in energy from renewable sources
- to guarantee coordination of the current monitoring system of databases on available technologies for energy from renewable sources

## **Audit recommendations cont.**

- to neutralize negative financial consequences of purchasing energy from renewable sources (resulting from the rules of functioning of the balancing market)
- to guarantee purchases of energy from renewable sources by introduction a clause to Conditions for Connecting to Electric Power Networks determined for manufacturers of energy from renewable sources

**Thank you for your attention**