



Basis for a KOSGEB Energy Efficiency Strategy

KOBIENVER

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Basic infrastructure

- Transportation
- Communication
- Water
- **Energy**

→ ***A modern State must assure basic services***

Energy Policy Fundamentals

Objectives

- Security and reliability of energy systems
- Cost effective services
- Protection of the Environment
- (access to energy)

Means

- Local (renewable?) energy supply
- End use Energy Efficiency
- System Optimisation (smart grids, decentralisation,...)

Public sector, private sector

- Energy supply:
 - mostly private (fossil fuels, IPP, decentralised generation, ...)
- Transport, distribution
 - Public or private
- Use
 - Mostly private

→ ***Public authorities may be operators, must be regulators and facilitators***

Objectives for EE in business

- Competitiveness
- Reliability and Quality of Production
- Innovation, modernisation
- Human resources, training
- Market for products and services

→ Integrate EE into overall aid to SMEs

KOSGEB EE mandate and role

By encouraging EE in SMEs:

- Contribute to achieving national policy objectives for energy
- Support SMEs through improved EE

KOSGEB Draft EE strategy document

- Policy Context for EE in SMEs
- SMEs at the heart of the Turkish Nation
- Mandate and Objectives for EE in SMEs
- The Way Forward: Energy Efficiency, a tool for development
- Action plan, including log frame

KOSGEB Energy Efficiency objectives for SMEs

- Reach at least 500.000 SMEs
- Aid SMEs in implementing EE actions
- Achieve an overall annual rate of improvement of efficiency of at least 2%
- Define realistic objectives for renewable energy use
- Double EE consultancy services

The Way forward: action plan

- Awareness raising
- Decision aid
- Support for implementation of concrete measures
- Capacity building

Stakeholder surveys carried out

- KOSGEB staff survey
 - Training needs
 - Opinion of tools
- KOSGEB SME
 - Statistics on energy use
 - Knowledge about EE measures

KOSGEB staff survey: 55 responses

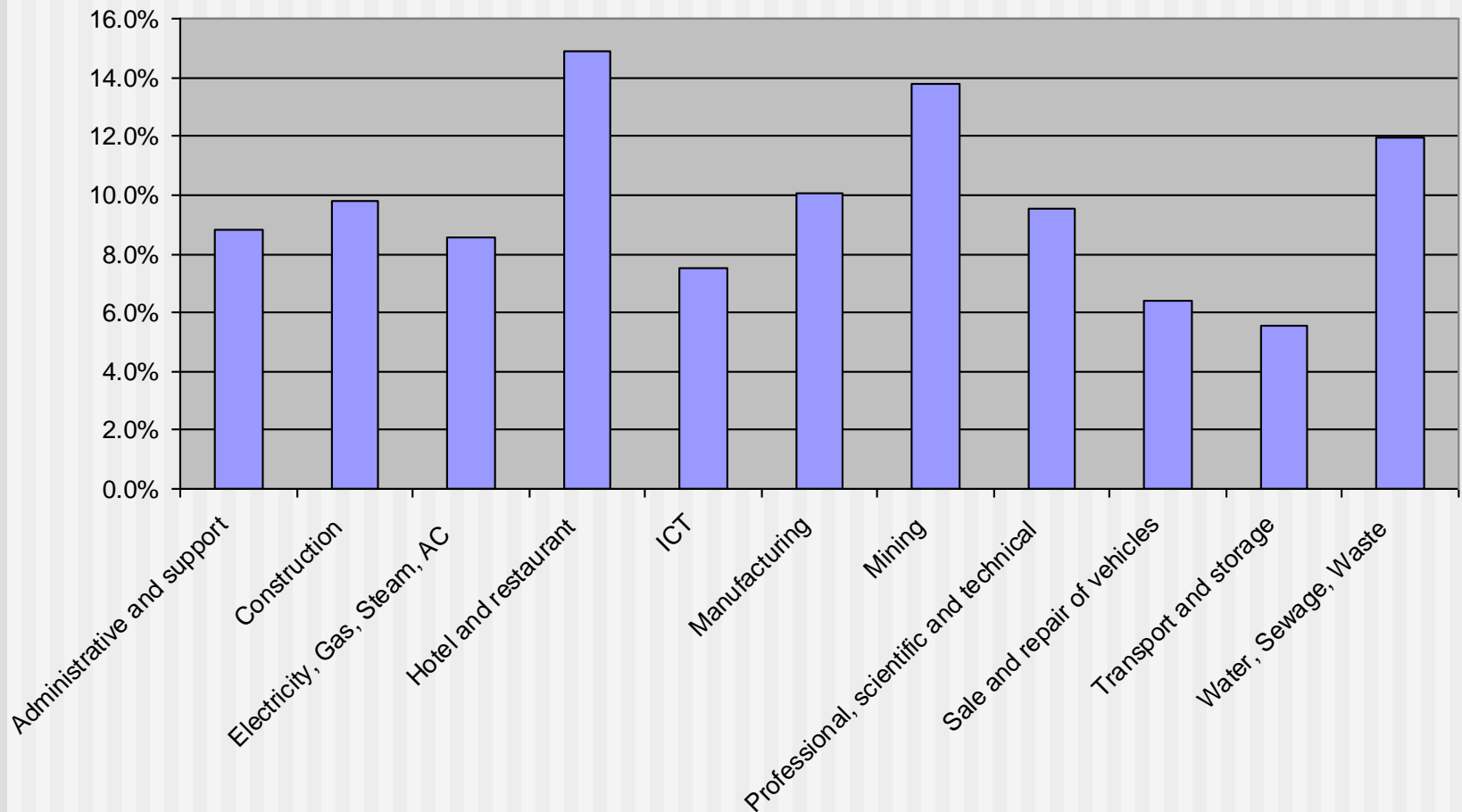
- Strengths
 - KOSGEB support mechanisms
 - KOSGEB recognition by SMEs and easy accessibility
- Weaknesses
 - Little practical experience of EE
 - EE benefits to enterprises not visible
- Opportunities
 - Provincial organisation of KOSGEB
 - Launch new support area, within existing mechanisms
- Threats
 - Lack of qualified personnel on EE in KOSGEB
 - Co-ordination difficulties, organizational deficiencies

Preliminary results from SME survey: over 1500 enterprises

Do you need EE training for this staff?	32.5%
Are you aware of the recent energy efficiency law and regulations?	10.1%
Do you know you can decrease your operating cost using energy efficiency measures?	31.3%
Do you have any implementation related to energy efficiency?	0.0%
Have you heard / benefitted from specific KOSGEB support for EE?	21.7%
Do you need EE support?	43.5%

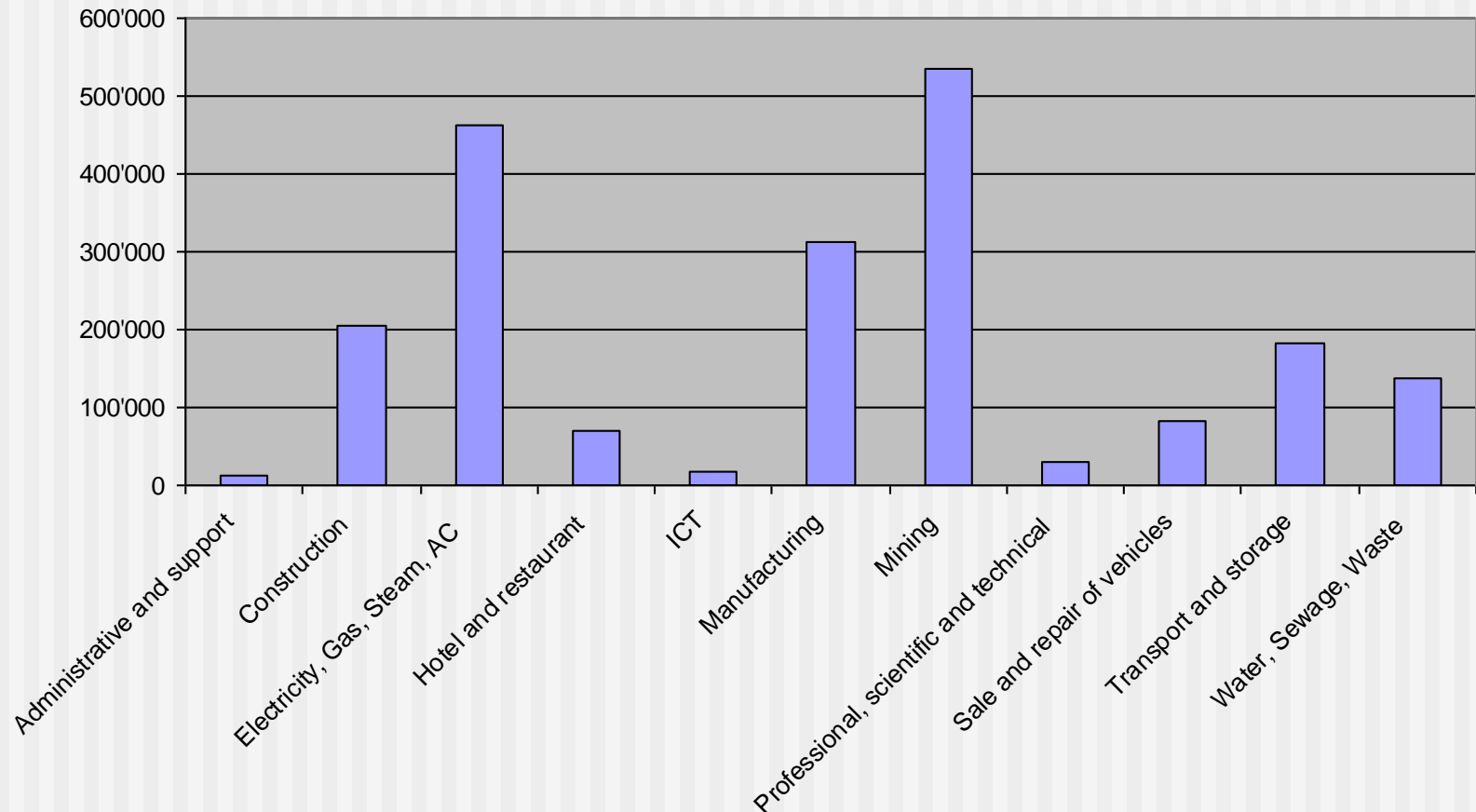
Energy as % of turnover

Energy as % of turnover



Average annual energy expenses per enterprise

Average annual Energy expenses per enterprise



Questions to be discussed

■ EE Objectives

- Pertinent, coherent with KOSGEB objectives?
- Sufficiently ambitious?
- Define short, medium, long term
- Attainable?

■ Means

- Political support
- Instruments, budget
- Human resources