

Economic sector:

Please select the economic sector in which your company realises the highest value added:

| | |
|---------------------------------------------------------------------------------------------------------------------------------|----|
| Extraction of crude petroleum and natural gas | 6 |
| Manufacture of basic metals | 24 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations | 21 |
| Manufacture of beverages | 11 |
| Manufacture of chemicals and chemical products | 20 |
| Manufacture of coke and refined petroleum products | 19 |
| Manufacture of computer, electronic and optical products | 26 |
| Manufacture of electrical equipment | 27 |
| Manufacture of fabricated metal products, except machinery and equipment | 25 |
| Manufacture of food products | 10 |
| Manufacture of furniture | 31 |
| Manufacture of leather and related products | 15 |
| Manufacture of machinery and equipment n.e.c. | 28 |
| Manufacture of motor vehicles, trailers and semi-trailers | 29 |
| Manufacture of other non-metallic mineral products | 23 |
| Manufacture of other transport equipment | 30 |
| Manufacture of paper and paper products | 17 |
| Manufacture of rubber and plastics products | 22 |
| Manufacture of textiles | 13 |
| Manufacture of tobacco products | 12 |
| Manufacture of wearing apparel | 14 |
| Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials | 16 |
| Mining of coal and lignite | 5 |
| Mining of metal ores | 7 |
| Other manufacturing | 32 |
| Other mining and quarrying | 8 |
| Printing and reproduction of recorded media | 18 |

Conversion table:

| Unit | kWh | kJ | kcal | kg SKE ¹ | kg RÖE ² | BTU |
|---------------------------|----------|--------|--------|---------------------|---------------------|---------|
| 1 kWh | 1 | 3.600 | 860 | 0,123 | 0,086 | 3.412 |
| 1 kJ | 0,000278 | 1 | 0,2388 | 0,000034 | 0,000024 | 0,94782 |
| 1 kcal | 0,001163 | 4,1868 | 1 | 0,000143 | 0,0001 | 3,9657 |
| 1 kg SKE ¹ | 8,141 | 29.308 | 7,000 | 1 | 0,7 | 27.756 |
| 1 kg RÖE ² | 11,63 | 41.868 | 10,000 | 1,428 | 1 | 0,03967 |
| 1 m ³ gas (Hu) | 9,7726 | 35.182 | 8.403 | 1,200 | 0,840 | - |
| 1 m ³ gas (Ho) | 10,8300 | 38.988 | 9.312 | 1,330 | 0,931 | - |
| 1 BTU | 0,000293 | 1,0551 | 0,2522 | 3,603 | - | 1 |

1 SKE: mineral coal unit; 2 RÖE: oil equivalent

Participation: closing date is 31 DECEMBER 2017

- Via Mail: EEP - Institute for Energy Efficiency in Production
Data Collection Energy Efficiency Barometer
Nobelstrasse 12, 70569 Stuttgart, Germany
- Fax: +49 (711) 970-1400
- Scan via e-mail: barometer@eep.uni-stuttgart.de
- Online: <http://www.eep.uni-stuttgart.de/eeee/>



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Institute for Energy Efficiency
in Production EEP

▶▶ The
Energy Efficiency Barometer
of Industry ◀◀

2nd Data Collection 2017
#EEBarometer



The Energy Efficiency Barometer of Industry

Please respond by **31 DECEMBER 2017**

Participate online: <http://www.eep.uni-stuttgart.de/eeei/>

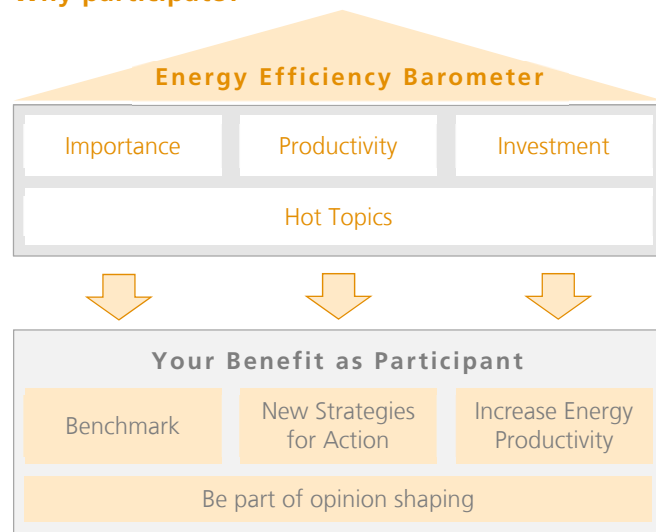
For Questions: Stefan M. Buettner (Tel.: +49 (0) 711 / 970 -1156)

2nd Data Collection 2017

German data protection requirements are met.

Estimated figures are sufficient.

Why participate?



Be part of the Energy Efficiency Barometer!

- Participate by **31 DECEMBER 2017** via this Flyer (mail/fax/scan) or online: <http://www.eep.uni-stuttgart.de/eeei/>.
- Results are estimated to be published in late February 2018.

We keep you updated...

To stay informed about

- current sector-specific developments
- future surveys

please provide your **e-mail address**:

Thank you very much for your participation!

Prof. Dr.-Ing. Dipl.-Kfm. Alexander Sauer, Executive Director EEP

Special Issue Questions

Please note: These questions are not obligatory, but we do appreciate your response.

- I would like the Government ...
 - to intensify ... not to change... to reduce...
 - ... its **efforts to increase energy efficiency**.
- What **systematic approach** to improve energy efficiency does your company use? (*multiple choice*)
 - Energy audit (according to DIN EN 16247)
 - Tax Cap and Efficiency System Ordinance ISO 50 001
 - ISO 14 001 plus energy chapter None Not known
 - b2b energy efficiency network Other, _____
- Interventions in what area have led to the **largest improvement** in energy efficiency? (*max. 2*)
 - User awareness/behaviour Administration
 - Demand-side management Production machinery
 - Compressed air system Industrial drives (motors/pumps)
 - Waste heat utilisation Cooling water-/Cooling systems
 - Ventilation system Lighting Building
 - Heating system Other, _____
- How does your company systematically **monitor** its own **energy consumption**? (*multiple choice*)
 - Measuring largest consumers (by installed load)
 - Metering largest consumers (by annual consumption)
 - Own calculations Estimations We don't monitor.
 - In a different way: _____
- If you measure: Where do you **measure** and for how long do you **save the data**? (*multiple choice*)
 (*1=hours, 2=weeks, 3=months, 4=quarters, 5=years, 6=permanently, 7=we don't store energy data, 8=unknown*)
 - At the plant, storing the information up to _____
 - At the building, storing the information up to _____
 - At the machinery, storing the information up to _____
 - Elsewhere, _____ storing the information up to _____
- If you store consumption data: **why** do you **keep** energy consumption **data**? (*multiple choice*)
 - Identification of potential energy efficiency savings
 - Quality assurance To detect malfunctions
 - Because of obligation Other, _____

Core Indicators

Please Note: We can only consider your answers in this section if you respond to all the obligatory questions below.

My answers relate to ...
 one specific site. multiple sites.

Importance of Energy Efficiency

How do you **currently** rate the importance of energy efficiency to your company in general?

- relatively low
- equal important to the other factors
- relatively high

In the **next 12 months**, do you think the importance of energy efficiency to your company will, overall ...

- decrease,
- remain more or less the same, or
- increase?

Investments¹ into Energy Efficiency

What percentage of your total investments can be attributed to improving energy efficiency ...?

- ... in the **previous 12 months** ca. _____ %
- ... in the **coming 12 months** ca. _____ %

Improvement of Energy Efficiency²

On average, what percentage increase in energy efficiency are you planning for the **next 12 months**?

ca. _____ %

Information about your Company

- Sector number: _____ (see reverse page)
- Number of Employees: _____
- Country: _____
- Turnover/Revenue of previous financial year:
ca. _____ [Mio.] _____ [Currency]
- Energy demand over the **last 12 months** (overall):
ca. _____ [Unit: _____] **OR** your energy demand consists of:
 Electricity: ca. _____ [_____] Heat: ca. _____ [_____]

Oil: ca. _____ [_____] Bio mass ca. _____ [_____]

Gas: ca. _____ [_____] _____ ca. _____ [_____]

¹ Investments in energy efficiency comprise all investment measures, be it organisational or technical ones, which lead to an improvement of energy efficiency.
² An increase of energy efficiency aims not only for the optimisation of the output at a given energy input (energy productivity), but also for the optimisation of the energy input at a given output (energy intensity).