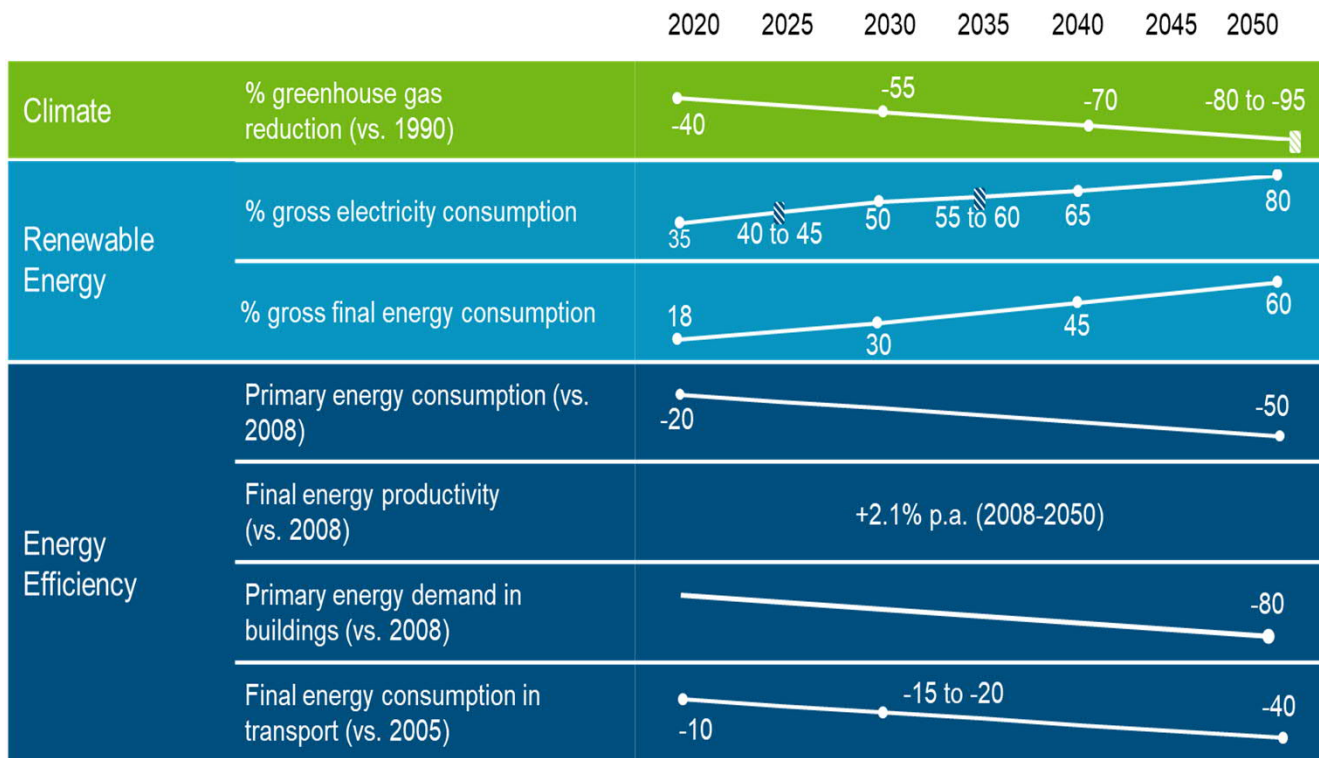


Michael Müller, Astana, October 5, 2023.

POLICIES TO PROMOTE ENERGY EFFICIENCY IN GERMANY

ENERGY EFFICIENCY TARGETS OF GERMANY



Changes on the Climate Protection Law:



German net-GHG-neutrality at 2045



Definition of sector specific targets

EXAMPLES OF POLICIES TO PROMOTE ENERGY EFFICIENCY IN GERMANY

➤ In Germany there is a mix of policies to promote energy efficiency among others:



Financial support

➤ e. g. funding programs



Regulations

➤ e. g. the new Energy Efficiency Act

➤ Buildings Energy Act



Information & Advice

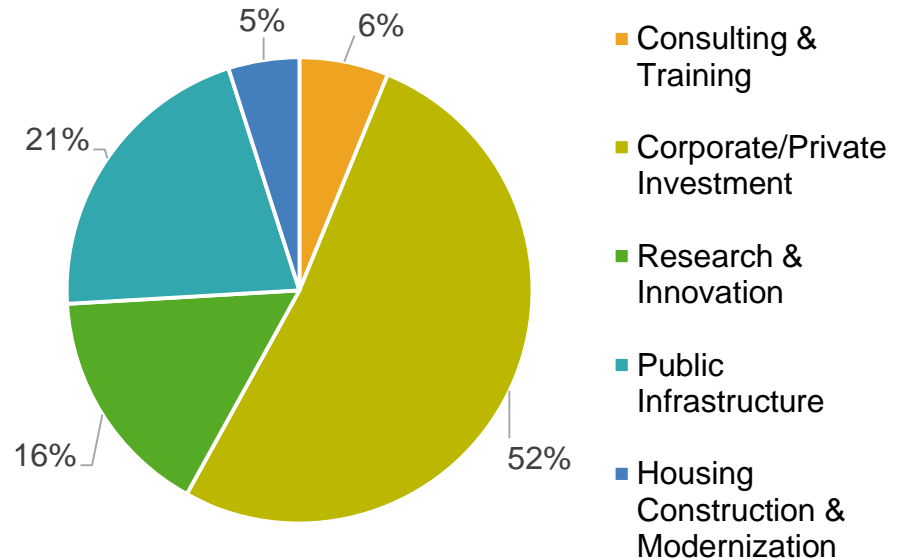
➤ e. g. the Energy Efficiency Networks initiative

➤ Awareness campaigns

FUNDING PROGRAMS FOR ENERGY EFFICIENCY IN INDUSTRY IN GERMANY

➤ Out of about 350 national funding programs for enterprises, **68** focus on **promoting energy efficiency and renewables**

➤ A large portion of the energy efficiency programs support not only actual corporate investment in existing technologies, but also **consulting, R&D, and innovations**



FUNDING PROGRAM “ENERGY AND RESOURCE EFFICIENCY IN THE ECONOMY”

Credits: [KfW](#) (German state-owned investment and development bank) / **Subsidies:** [BAFA](#) (Ministry for Economic Affairs and Export Control)

Modul	Name	Example	Subsidy	Max. amount
1	Cross-cutting technologies	Heat recovery, efficient machines	30-40 % 50% for SMEs	200 thousand €
2	Process heat from renewables	Biomass, heat pumps	45-55 % 65% for SEs	15 million €
3	Measurement, control and regulation technology, sensor technology and energy management software	Digital hardware and software	30-40 % 50% for SEs	15 million €
4	Acquisition and installation of hardware (sensors) and software for energy management	GHG reduction	30 % 40-50 % for SMEs	15 million €
5	Promotion of concepts for transformation toward climate neutrality	CO ₂ balancing, consulting projects	40 % 50-60 % + 10% Bonus for EEN for large and SMEs	50 thousand € <u>80 thousand € for EEN</u>
6	Electrification of small companies (new)	Modernisation of equipment		200 thousand €

NEW LAWS

- **New Energy Efficiency Law proposes: 1) Companies with more than 7.5 GWh per year of final energy use must introduce an energy or environmental management system; 2) Companies with more than 2.5 GWh per year of final energy use must prepare and publish concrete, feasible implementation plans for all economic final energy savings measures within 3 years (measures from the EnMS and energy audits)**
- **The Building Energy Act (GEG) is intended to gradually ensure more climate protection in the building sector and, in principle, heating systems are to be operated with a share of at least 65 percent renewable energy in the future. However, the provisions of the GEG will initially only apply directly to newly built areas from 2024.**

Office of the 'Dialog Energiewechsel' (Energy Transition Dialogue Initiative)

The Energy Transition Dialogue Initiative advises and supports the Germany Federal Ministry for Economic Affairs and Climate Action (Bundesministerium für Wirtschaft und Klimaschutz, BMWK) on the technical development of the PR campaign '80 Millionen gemeinsam für den Energiewechsel' (80 million working together for the energy transition). The key themes of this collaboration are identifying stakeholders who are relevant to the campaign and integrating them into it. This is achieved by holding joint dialogues, running stakeholder campaigns, providing communication packages with texts, graphics and publications on the Energiewechsel.de website and organising events and online seminars. These activities focus on current topics such as short-term energy and gas-saving measures, the expansion of renewable energies, the German federal government's funding programmes, energy-efficient building refurbishment and energy-efficient technologies for industry and commerce.

- **Project term:** April 2020 until December 2023
- **Commissioned by:** the Federal Ministry for Economic Affairs and Climate Action
- **Target groups:** Associations and institutions of the interest groups companies, private households and municipalities



www.energiwechsel.de

Office of the Initiative for Energy Efficiency and Climate Protection Networks

The networks initiative is a joint action group, which is sponsored by the Federal Government along with 21 associations and organisations from the German economy. It builds on the previous project, which ran from 2014 to 2020 (Initiative Energieeffizienz-Netzwerke). There are 300 to 350 new networks of companies that will be established across Germany. The aim is to save 9 to 11 terawatt hours of final energy or optional 5 to 6 million metric tons of CO₂ through the exchange of experience and the development of measures by the end of 2025. dena coordinates, facilitates and supports the initiative as its office, just as it did in the first phase.

- **Project term:** 2015–2020; 2021–2025
- **Commissioned by:** BMWK
- **Partners:** BMWK; BMUV; 21 associations from economy; numerous regional and national cooperation partners, state governments, multipliers
- **Target group:** companies from all sectors (industry, skilled trades, commerce and the energy industry)



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www.effizienznetzwerke.org

PILOT EEN-PROJECT: NETWORK PLATFORM IN KAZAKHSTAN



Launched with EEDI and supported by KazEnergy

- Development of a platform for energy efficiency in industry to promote the exchange of knowledge and experience between companies.
- Supporting an active exchange between industrial companies, e.g. based on the approach of energy efficiency networks in Germany/ worldwide.



Relevance:

- Politics:
 - Contribution to national and international energy efficiency and climate protection goals
 - Direct contact with the industry sector and opportunity for exchange
 - Voluntary initiative shows confidence in the economy and thereby motivates to participate
- Economy:
 - Transparency about energy flows, costs and savings potentials
 - Permanent reduction of energy costs
 - Free source of information on current energy and climate policy topics, funding programmes, technologies, etc.

THANK YOU

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