



Bundesministerium
für Wirtschaft
und Energie

Recent Developments of Energy Efficiency Policy in Germany : Energy Efficiency Strategy 2050 (EffSTRA)

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Basis for the Energy Efficiency Strategy 2050 (EffSTRA)

National Level: Coalition Agreement from 2018

„Wir werden unter breiter Beteiligung eine ambitionierte und sektorübergreifende Energieeffizienzstrategie des Bundes erarbeiten und darin das Leitprinzip „Efficiency First“ verankern mit dem Ziel, den Energieverbrauch bis zum Jahr 2050 um 50 Prozent zu senken. Den Nationalen Aktionsplan Energieeffizienz (NAPE) werden wir basierend auf den Ergebnissen des Grünbuchs Energieeffizienz weiterentwickeln und schnellstmöglich umsetzen.“

EU Level

- Obligation under EU-Governance-VO (Art. 4) und EED (Art. 3)
Setting of a national 2030 target as contribution for the implementation of the EU Energy Efficiency target and the target according to Art. 7 EED
- Presentation of measures and instruments for target achievement
- Deadlines: Final NECPs: 31.12.2019, EED: 30.06.2020

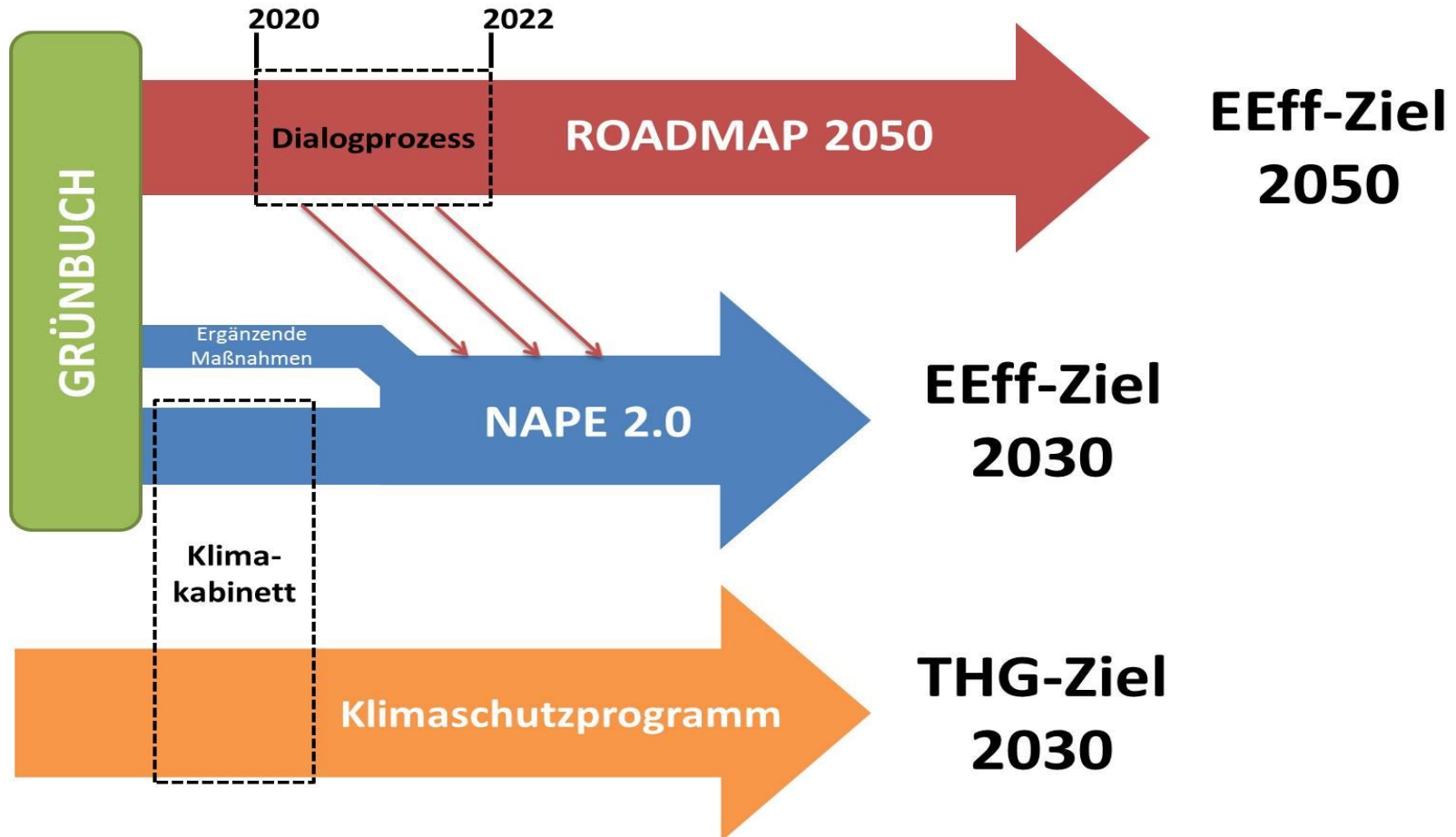
Contents of EffSTRA

The Energy Efficiency Strategy 2050 will

1. Lay down a medium-term **Energy Efficiency Target 2030**.
2. Bundle and substantiate energy efficiency measures in a new **National Action Plan Energy Efficiency (NAPE 2.0)**, which will both include the energy efficiency measures decided by the „Climate Cabinet“ and additional measures.
3. Start a **Dialogue Process** for a long-term time schedule to half primary energy consumption by 2050.

The Efficiency Target 2030 and the Energy Efficiency Measures are supposed to be reported in the German NECP in the end of 2019.

Overview of the process



Level of the Energy Efficiency Target 2030

The Federal Government will decide a target to reduce primary energy consumption by 30% until 2030 (comp. to 2008). Review of target by mid 2022 against the background of the long-term GHG target for 2050.

Justification of the target:

1. GHG reduction target of -55% by 2030
2. Condition 1): Reduction of primary energy consumption by 30 % by 2030, based on NECP target scenarios
3. Condition 2): ambitious expansion of renewable energies (65% share in electricity generation by 2030, significant increase for heat and transport)
4. The primary energy target ensures compliance with the climate change target, represents appropriate contribution to the EU 2030 target and defines direction of the Germany efficiency policy in the next decade

Target for NAPE 2.0

The primary energy target requires reduction of energy consumption in all sectors, including transformation. At the measure level, however, NAPE 2.0 aims at reducing energy demand, not energy production.

1. The primary energy target corresponds to a primary energy reduction of approx. 1,200 TWh in 2030.
2. Forecast: The implementation of the planned measures in the energy sector (especially coal phase-out, 65% RES-E by 2030) will result in a reduction of primary energy consumption by around 700 TWh.
3. Forecast: Measures and instruments already implemented today yield around 200 TWh primary energy reduction
4. NAPE 2.0 must lead to additional primary energy savings of 300 TWh for target achievement in 2030

Measures of the Energy Efficiency Strategy 2050

1. **Cross-sectoral: Entry and gradual growth of CO₂ pricing**
2. **Improvement of financial and information measures, e.g.**
 - Tax incentives for energetic renovation measures
 - Federal subsidy for efficient buildings (BEG)
 - Promotion of serial renovation in the building sector (planned)
 - Renewal of heating systems
 - Expansion of support programmes for industry
 - Further development of subsidies for heating networks (planned)

Supplemented by new standards and additional initiatives, e.g. Building Energy Law (GEG), exemplary role of the federal government, strengthening the Eco-Design Directive.

Additional measures of EffSTRA (Examples)

- Meters and sensors for new heating systems and air conditioning/ventilation systems
- Expansion of energy-saving contracting (ESC) for the public sector
- ACE II - Asset Class Energy Efficiency
- Ambitious standards Ecodesign/Energielabel and support for market surveillance in the area of product efficiency
- Communication Energy Efficiency

Roadmap Energy Efficiency 2050

2030

2050

NAPE 2.0

Roadmap Energieeffizienz 2050

- 30 % ggü. 2008 (PEV)

Maßnahmenkatalog

- zur Erreichung mittelfristiger Effizienzziele

Festlegung von Maßnahmen unter Berücksichtigung des Klimaschutzprogramms 2030.
Grundlagen für Maßnahmen sind zudem

- Prozess Grünbuch Energieeffizienz
- Konsultation Energieeffizienzstrategie
- Gebäudestrategie

Zielfadentwicklung

Entwicklung & Beschreibung von Zielfaden

- für alle Handlungsfelder (Sektoren)
 - Berücksichtigung kritischer Pfadabhängigkeiten

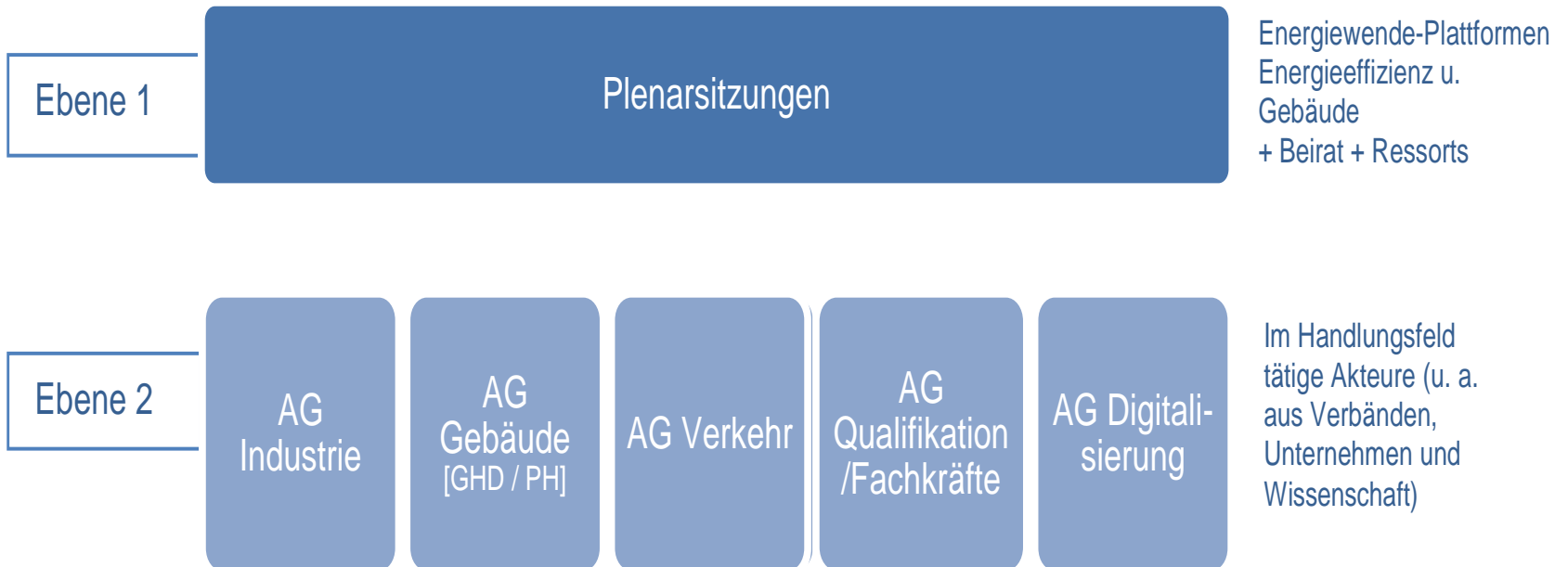
- 50 % ggü. 2008 (PEV)¹

Potenziale zur Erreichung des PEV-Ziels

- politisches, ökonomisches & rechtliches Setting

Dialogorientiertes Beteiligungsformat (Laufzeit:
Stakeholder-Prozess April 2020- März 2022)

Structure of the Roadmap Process



Vielen Dank für
Ihre
Aufmerksamkeit



DEUTSCHLAND
MACHT'S
EFFIZIENT.



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