EU Energy and Climate targets for 2030: Enhancing the contribution of natural gas

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President IGU
IGU is the voice of 95% of the Global Gas Market
91 Member Countries, 43 Associate Members
The *Triple 20 EU Energy target for 2020*

- Reduce greenhouse gas levels by 20%
- Increase share of renewables to 20%
- Reduce energy consumption by 20%

**Source:** Eu Commission 2014

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*9th Energy Forum, January 23th, 2014 - Karpacz, Poland*
EU shares of sectors in GHG emissions 1990-2030

Source: Eu Commission
New coal-fired power capacities in Europe

Source: Ecoprog GmbH.\textsuperscript{22}

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EU power generation capacities by age in 2013

Source: EU Commission

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EU Electricity prices for industry (70-150 GWh/year) in 2013

Source: Eurostat
EU Electricity prices to the residential sector in 2012

Source: HEPI

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Source: HEPI
US power generation by source 1990-2040

Source: IEA WEO 2014
Coal has fallen below 35 % of the US power generation mix

Source: EIA 2013
The UK Emissions Performance Standards (EPS)
Energy Bill 2012 - 2013

- EPS requires that any new coal fired power plant demonstrate CCS on at least 300 MW of the proposed generating capacity
- Sets a CO2 emission limit at 450 g/kWh until 2045
- Guarantees stability of emission regulation until 2045 (grandfathering)
- EPS complements the economic signals provided by the Carbon Floor Price and, when applicable, the feed-in electricity purchase tariff with Contract for Difference (CFD)
- EPS gives incentives to « Good Quality » CHPs, by discounting the volumes of CO2 saved in the heat production by displacing other fossil fuels

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Average annual increases in Renewable based Power capacities

Source: IEA WEO 2014 NPS
Scenarios for CO2 Abatements, by top-down increasing costs

Source: World Energy Council & IEA
Agreed EU headline targets 2030 Framework for Climayer and Energy

New governance system + indicators

Source: EU Commission
EU GHG emission reductions targets 2020 and 2030

Source: EU Commission