

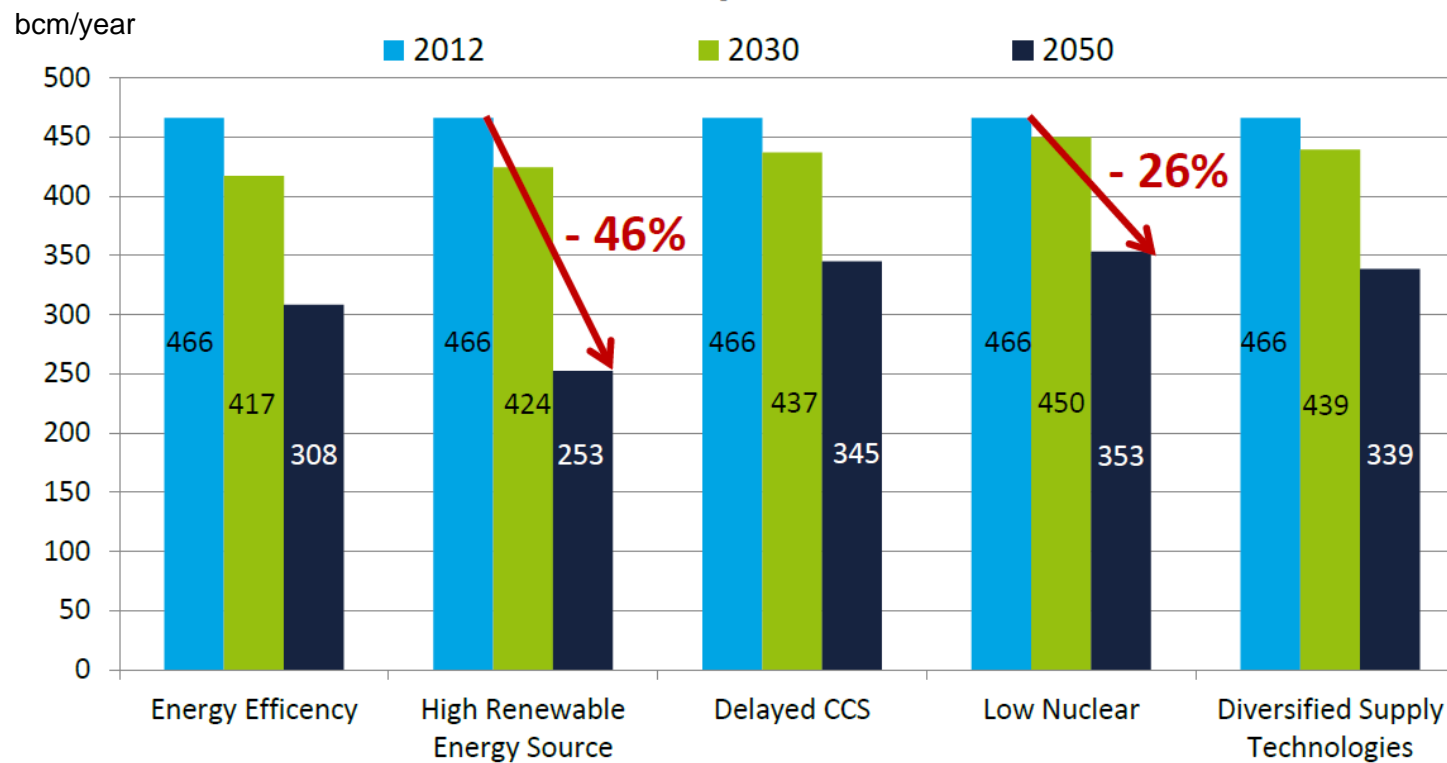


## Gas in the future EU energy mix

*Jean-Claude Depail, GIE President*

Madrid Forum XXIV, 15 October 2013

## Setting the scene



**According to the Energy Roadmap 2050, gas demand is expected to decrease (a challenging future)**

- **Policy uncertainty about future of gas**
  - EU energy policy targets not equally balanced
  - 20/20/20 policies have quickly changed the market
  - ETS not stimulating low carbon investments
- **Big impact on European industry**
  - Huge support to RES → wholesale electricity prices decrease
  - CCGTs being closed or running at low load factors
  - Future of highly developed gas infrastructure is uncertain  
→ CO<sub>2</sub> emissions raising in the EU
- **2030 framework should seek to better balance EU competitiveness, security of supply and sustainability – recognising the role of gas in the energy mix**





## Competition and sustainability

- **Gas competes with high-carbon sources such as coal and oil**
  - Replacing coal and oil by gas is an easy way to achieve higher energy efficiency and lower emissions
- **Gas + RES provide an efficient and sustainable energy future**
- **Gas is available for 250+ years**
- **Gas infrastructure exists and is the key enabler of a competitive and sustainable energy market**
  - There are enough sources of gas and enough gas producers and suppliers





## Gas Infrastructure today

- **Gas Infrastructure provides:**
  - **Security of Supply**
  - **Diversification of Supply**
  - **Markets Integration**
  - **Competition and Liquidity**
  - **Solidarity between local and national/international sources**
  - **Transports energy in a more efficient way than with electricity**
    - Mitigate substantial investments in electricity infrastructure
  - **Minimal visual impact on landscape**





## Gas infrastructure towards 2050

- **Gas infrastructure to provide a solution for security of electricity supply in a system which increasingly relies on intermittent sources**
- **Further potential for development of biogas, new and unconventional sources**
- **Power-to-gas provides a key solution for storage of RES production**
- **Use of gas (CNG and LNG) as a fuel in mobility and transport offers huge other environmental benefits**

**Gas infrastructure is key for a competitive low-carbon economy**

- **Confidence is needed on the long-term role of gas**
- **Long-term stability and predictability of the investment framework**



The future can be promising...

## Recipe for success

### Gas

- + new technologies
- + new uses of gas
- + Renewable Energy Sources
- + one single CO<sub>2</sub> target for 2030
- overlapping and conflicting legislation





**Gas Naturally**

*GN is a campaign to showcase the essential role of natural gas in the forthcoming energy revolution. The mitigation of climate change has become one of the most important issues for the gas industry.*

**Thank you  
for your kind attention**

**GIE - Gas Infrastructure Europe**  
**[www.gie.eu](http://www.gie.eu)**

