

Blue and Green: Natural Gas and the Fight Against Climate Change

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euro  **gas**
THE EUROPEAN UNION OF THE NATURAL GAS INDUSTRY

Technology in the Lead

- Technological innovation is key:
 - To finding new ways for the gas industry to reduce GHG emissions ...
 - ... and to continually improving old ways!
- It is also key to allow us to **communicate the message** that gas is part of the solution to GHG emissions

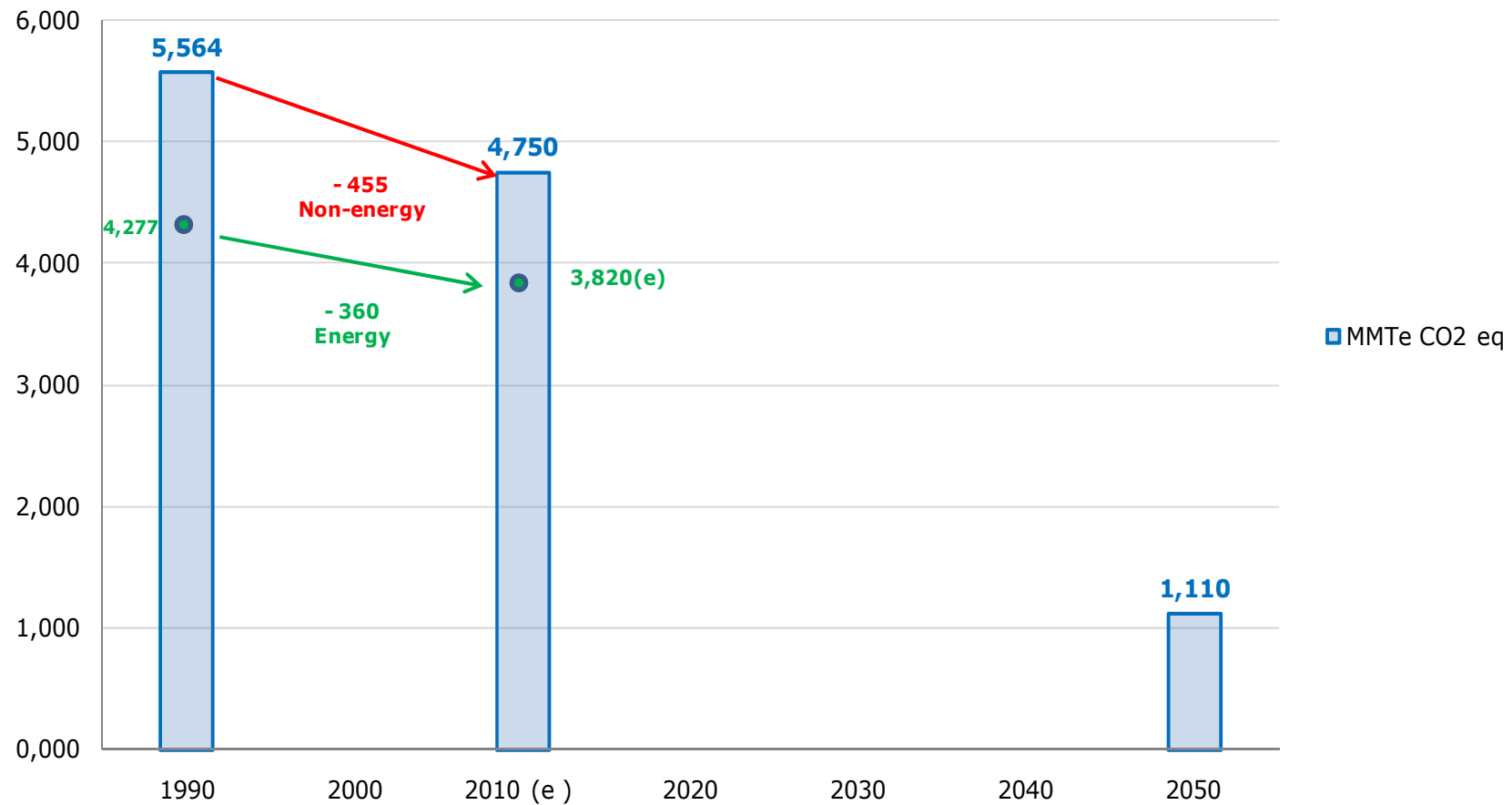
The Climate Change Context

- Global concentrations of CO₂ at 390 ppm
- Annual rate of increase still > 2 ppm
- Europe a small part of the global picture
- Leading by example, and a policy consensus among Member States, gives prominence to European Union actions
- An 80 percent reduction in GHG emissions is sought by 2050 in the EU

EU Greenhouse Gas Reductions from Energy



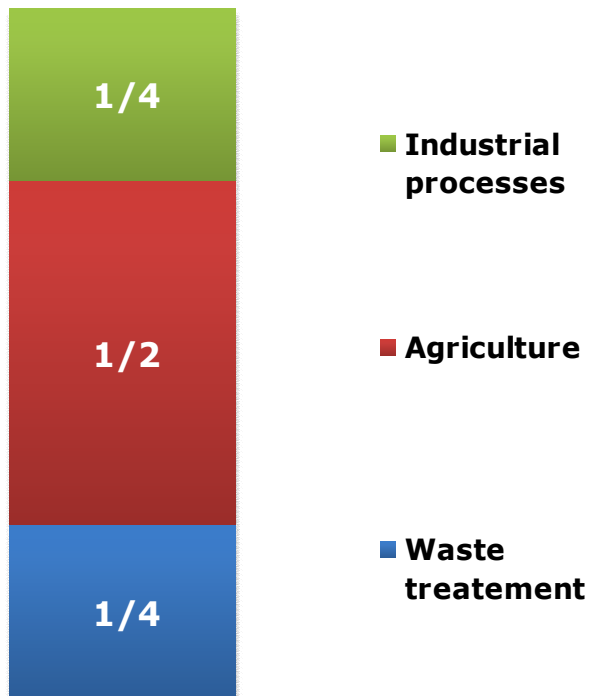
MMte CO₂ eq



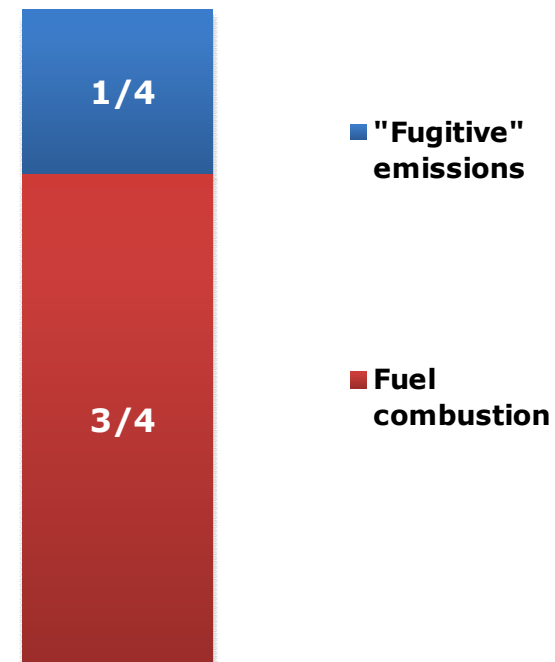
Sources of GHG Reductions



NON-ENERGY



ENERGY



Source of GHG 'Wins' in Energy



FUEL COMBUSTION

- 280



INCREASE



Transport

1/5

Electricity

2/5

Residential/commercial

2/5

Manufacturing

DECREASE

Lightening the Carbon Load

- Working to enable renewables to play a larger role in the energy mix
- Technological progress is needed across a broad front in the gas industry to provide **real solutions** to environmental needs
- Also important is the **message:**
 - that innovation is fundamental to our industry
 - that we are part of the environmental solution