The Role of Natural Gas in Helping Europe to Achieve Its Energy Security and Meet Its Climate Change Goals

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Verona, October 24, 2019
Gazprom Is the Major Supplier of Gas to Italy

- Gas - #1 in Italy’s energy mix with 37.5%
- Power and heat generation - #1 sector in gas consumption

Gas Industry in Italy

- Source: Gazprom Export, IHS, Eurostat

Gazprom Deliveries to Italy

- Italy - 2nd largest buyer of Russian gas
- Gazprom is the leading supplier to Italian gas market

Source: Gazprom Export, IHS, Eurostat
Natural Gas in Energy Transition

Natural gas reduces industry’s greenhouse effect and toxic emissions

**Power generation**

Power generation is the main producer of greenhouse gases

*Emissions of brown coal and natural gas power plants*

- CO2: Brown coal -67%, Natural gas -90%
- SOx: Brown coal -67%, Natural gas -90%

**Transport**

About 30% of CO2 emissions in the EU come from transport sector

*Emissions of diesel and natural gas engines*

- CO2: Diesel -23%, Natural gas -90%
- NOx: Diesel -23%, Natural gas -90%

**Heating**

Oil-based heating equipment produces a substantial part of CO2 emissions, as well as particulate matter (PM)

*Emissions of oil and gas boilers*

- CO2: Oil products -29%, Natural gas -85%
- PM: Oil products -29%, Natural gas -85%

Sources: Zukunft Erdgas, OECD, Greenpeace, Enabling Clean Marine Transport, European Environment Agency
Natural Gas has Less Energy Loss

Natural gas through process chain to a consumer (household)

Electric power through process chain to a consumer (household)

Source: American Gas Association
Thank you for your attention!