WLPGa North America LPG Conference

EUROPE
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President of AEGPL

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Autogas KSF

Government

Environmental & Fiscal policies
Fuel price differentiation & capital grants

Customer

Corporate image
Customer demand

OEM’s
Infrastructure investment

Fuel Cos.

Long Term policy stability
Autogas KSF reality

Governments & EU institutions

Environmental & Fiscal policies

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Customer

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Infrastructure investment

Long Term policy stability....
**US vs EU**

Price differentiation = tax reduction

- **Total EU income from fuel taxation:** 260 B$ (200B€)
  - **Autogas:** incentives on duties = taxe reduction of 6,5 B$ (2,5%)
- **Some countries give extra grants to buy/retrofit LPG vehicles**
THE EU REGULATION

DIRECTIVE 3X20 in 2020
- 20% of energy efficiency
- 20% of CO2 reduction
- 20% of renewables in energy mix

DIRECTIVE ON ENERGY TAXATION
- LPG = 10% of conventional fuels

IMPACT ON FUEL POLICY
- Conventional fuels > 10% bio
- CNG > biomethane
- Electricity > PV, wind, water dams
- LPG

Autogas viewed by EU:
- Alternative fuel / cleaner fuel (black carbon, Nox, CO2)
- Diversification of energy mix > security of supply
  - EU imports almost 50% of diesel sales
EU Strategy for 2050 on going

- EU institutions say « autogas could grow from 3% up to 10% of fuel mix in 2050 »

**Alternative Fuels for Transport Memo**

### LPG

LPG (liquefied petroleum gas) is a by-product of the hydrocarbon fuel chain, currently resulting from oil and natural gas, **in future possibly also from biomass**. LPG is currently the most widely used alternative fuel in Europe, powering five million cars and accounting for a 3% share of the fuel consumed by passenger cars. The core infrastructure is established, with more than 27,000 public filling stations.
A continuous growth, even when economy slows

Scope: EU 27

Stock

sales in metric tons

2003 2004 2005 2006 2007 2008 2009

1,000,000
2,000,000
3,000,000
4,000,000
5,000,000
6,000,000
Stock of Autogas vehicles in 2009 against 2008

Average market share in the EU 31: 3%
Distribution: A comprehensive coverage in Europe, funded by the private sector
A favorable Autogas pump price vs diesel & Petrol

In 2011 US$: gal

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Autogas/diesel: 55%
Autogas/Petrol: 45%

In €/l (VAT and excise duties included)
Autogas in the EU 27 today

- 5.6 million passenger cars
- 27,000 + filling stations

→ Autogas is EU’s number one alternative fuel
Thank You!