### Nabucco at a glance – opening the Southern Corridor



#### Nabucco – Facts & Figures

- > Pipeline diameter: 56"
- > Distance: ~3,300 km
- > Investment: up to  $\in \sim 8$  bn (real terms)
- > Transport capacity: up to max. 31 bcm/a
- Construction of pipeline is expected to begin in 2011 and first operations in 2014

#### > <u>Capacity in phases:</u>

- Phase 1: 8 bcm/a (2014)
- Phase 2: 15.7 bcm/a (2015/16)
- Phase 3: 25.5/31 bcm/a<sup>1)</sup> (2019/20)
- > Shareholders (each 16.67%):
  - BOTAS (Turkey) OMV (Austria)
  - Bulgargaz (Bulgaria) RWE<sup>2)</sup> (Germany)
  - MOL (Hungary) Transgaz (Romania)



Depending on demand
5<sup>th</sup> Feb 2008 RWE joined Nabucco as sixth strategic partner

### Security of supply issues for South East Europe were highlighted in the gas crisis of 2006 & 2009. What next ... 2009 again, 2010?

#### Countries affected by gas crisis 2009



Countries affected by gas crisis



Gas crisis showed that South East Europe is/has:

- > Strongly dependent on one supply source of gas
- Strongly dependent on one gas > supply route
- Insufficiently gas interconnection > in South East Europe
- Insufficient flexibility in its supply > structure (LNG, storage, fuel switching, etc.)



## What are South East Europe's opportunities for increased security of supply ...

#### LNG

- > Role of LNG in South East Europe could increase but cannot replace need for pipeline diversification
- > LNG competes in global pricing and is more marginal supply. Thus, offering only security of supply at the margin

#### Enhanced interconnection and flexibility

- Gas crisis under-pinned the demand for new development of gas storage
- > Gas crisis showed that the South East European gas markets are not sufficiently interconnected which only enhances the problem

#### **Pipelines**

- > Given South East Europe's proximity to gas resource countries, new transportation pipelines offer the most reliable option for improving security of supply
- Gas transportation pipelines offer a dedicated supply and diversification of routing and supply sources

> Transportation pipelines such as Nabucco create the "trunk" system that interlinks markets and encourages interconnectivity



### Southern Corridor gas pipeline project competition: Nabucco in competition for gas supplies, gas markets and financing



- > 4 "competing" pipeline projects
- > Total "demand" 114 bcm/a will need gas supply to make investment
- > Geopolitical Background (control over exports to Europe)
- > Will financing constraints hamper some projects?
- Lots of comparing "apples and oranges" (e.g. distance from wellhead-to-market, transit requirements etc)



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# Project comparison shows that the benefits considerably favour Nabucco (1/2)



# Project comparison shows that the benefits considerably favour Nabucco (2/2)



## Before you ask, there is enough gas for Nabucco and it is available ...



> Nabucco will offer the most competitive tariif and thus the cheapest transportation cost for gas producers (higher value). THUS why would they not ship their gas through Nabucco? ...



Nabucco will interconnect the gas markets of Europe and South East Europe enhancing security of supply, competition, trading and retailing of gas ...



SLIDE 8

## Greece can gain the benefits from Nabucco as much as dedicated transit countries such as Bulgaria





#### Strategic background Similarities between Bulgaria and Greece

- Bulgaria and Greece are not interconnected well with other markets and gas sources and dependent on Russian gas imports (Bulgaria 90%; Greece 65%)
- Both countries pursue a strategy of supply diversification to reduce dependence on Russian gas imports

#### Nabucco's benefits For Bulgaria

Nabucco interconnects Bulgaria with liquid European markets which will increase competition, interconnectivity, security of supply, options, investment and encourage cheaper gas prices

Screece can benefit also - an interconnector between Nabucco and the Greek pipeline system. Gas can be bought and shipped through Nabucco for Greece or even for IGI!!!!!!



"If there is any one secret of success, it lies in the ability to get the other person's point of view and see things from that person's angle as well as from your own." Henry Ford



NABUCCO HAS SEEN THE OTHER PERSON'S POINT OF VIEW AND MET IT

