NATURAL GAS IN REPUBLIC OF MACEDONIA

MACEDONIAN GAS ASSOSIATION

IGU SEPTEMBER 2008

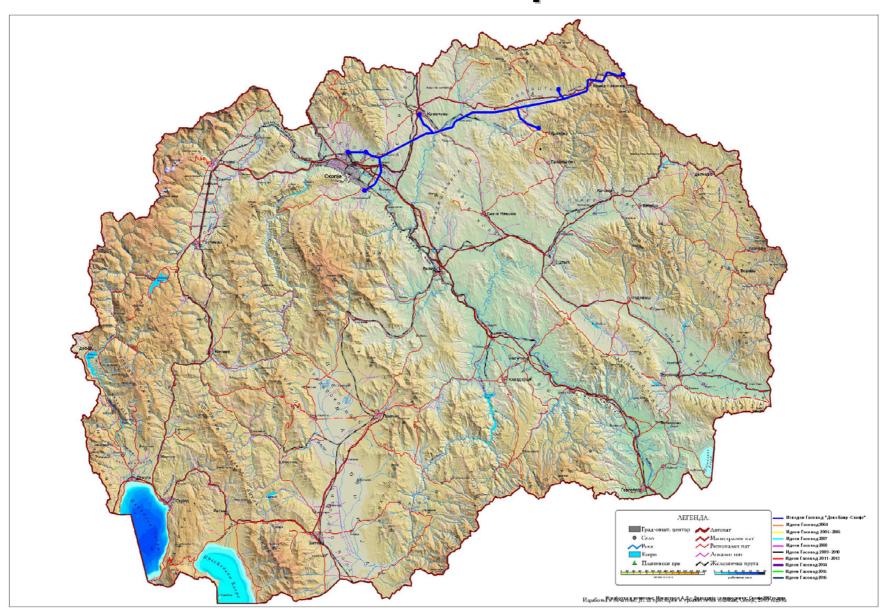
Overall review

- Republic of Macedonia suffers from energy deficiency.
- On an annual level, the energy consumption consists of 33% oil derivates; 47% coal; 3% natural gas and the remaining part is covered by hydro energy and wood.
- Only 52% of the annual consumption is covered by domestic production.

Description of Constructed Natural Gas Pipeline System

- The Macedonian gas pipeline is connected to the Russian transit gas pipeline, which passes through Ukraine, Romania and Bulgaria, satisfying needs of Turkey, Greece and Ex Yugoslavia for natural gas
- The natural gas pipeline is connected to the Russian transit gas pipeline on the east Macedonian border, in the region called Deve Bair
- The natural gas pipeline extends along the regions of Kriva Palanka, Kratovo, Kumanovo and Skopje

Constructed Pipeline



Technical Characteristics of Constructed Natural Gas Pipeline System

Designed capacity

Designed pressure

Inlet pressure in the high pressure pipeline
 40 (bar)

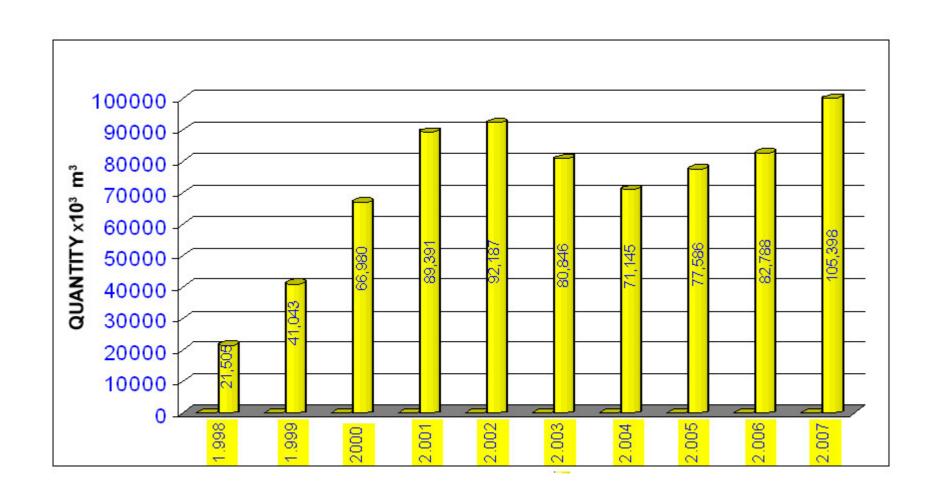
MARKET FRAMEWORK

- A joint-stock venture between the Government and Makpetrol named GA-MA was founded in 2006.
- GA-MA performs the transport services and operates the transport system for the natural gas pipeline.
- Makpetrol holds a license for trade with natural gas for industrial customers.

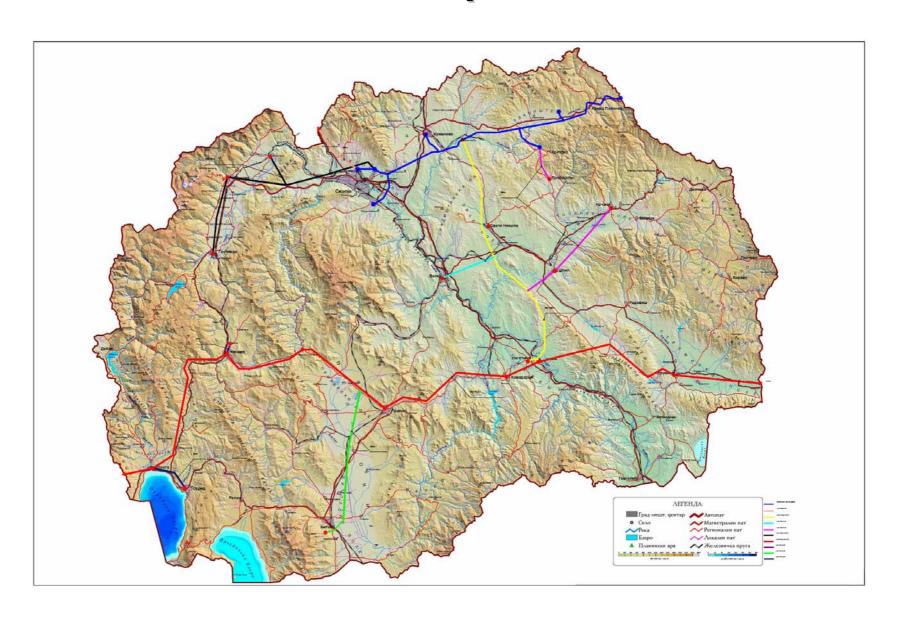
CUSTOMERS

- The transmission pipeline reaches to the industrial zone of the capital city Skopje, where 20 industrial facilities are connected.
- The other connected customers are along the gas pipe-line.

Summary of Annual Consumption of Natural Gas in Macedonia



Planned Pipelines



CONCLUSION

- Intensive expanding of the natural gas usage as energy complex is projected throughout the country in the near future.
- Almost all segments will be covered, particularly the distribution and end user customers.

There is a wide range of activities which shall be realized by the Macedonian Gas Association in close cooperation of International Gas Union.