





### 2.0. Licensing procedures According to the Energy Law, the Ministry of Mining and Energy

- According to the Energy Law, the Ministry of Mining and Energy issues the License Code (defining the procedures and conditions for issuance, suspension, and revocation of licenses)
- The Agency issues licenses for :
   - Storing of natural gas
   - Natural gas storage operation
- The license is issued for the period of 10 years.

## 3.0. Storage facilities: storage system operations and services

- Until now, Srbija didn't have any gas storage. Underground gas storage Banatski Dvor is under preparation.
- The most important capital investment in gas infrastructure is the preparation of underground gas storage and connection with the gas pipeline system in the region.
- The technical infrastructure is already built and functional trials have already been performed. In 2007 it was injected 14 mcm, during the 2008 Srbijagas plan to inject about 130 mcm and withdrawal 20-30 mcm in the heating season 2008/2009.
- Probably, this winter storage will be used only for the covering part of peak demand.

#### BASIC PARAMETERS FOR UNDERGROUND GAS STORAGE CONSTRUCTION

- Gas consumption in 2007 was 2.353 million m<sup>3</sup> (mcm)
- Estimated gas consumption until 2010, 3.1 billion m<sup>3</sup>
- Domestic gas production in 2007. was 186 million m<sup>3</sup>
- Dominant import of Russian gas 2.132 mcm,
- 35 mcm from Hungary
- Uneven gas consumption dynamics
- Even gas importation dynamics "Ship or pay" obligation for transit to Hungary.
- Required gas storage for 25-30% annual consumption
   Regular operation of storage requires injecting a part of cushion gas (cca 300 million m<sup>3</sup>)









#### Purpose of underground gas storage

- Storage of surplus imported gas from gas pipeline system during summer season
  Provide of continual and even gas production from own reservoirs

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- Elimination of seasonally discordance of gas production and consumption
- Optimal usage of transition and transporting gas
   pipeline system
- Compensation of peak gas consumption during winter season



 Production line: Existing collecting gas station to be of use like production gas line for capacity gas at 0.5-1 million m3/day.





# Supplementary services rendered by the storage

• Option for using interruptible capacities

OTHER ACTIVITIES PERFORMED BY THE STORAGE

- Determining storage capacities
- Bussiness administration of storage capacities
- Operating storage facilities
- Assets management
- Maintaining storage facilities
- Assistance in balancing

# 4.0. Storage operators: function, obligations, rights The role of underground natural gas storage facilities is essential in meeting such peak demand during winter period and in establishing and maintaining reasonable supply security. An energy entity performing the activity of natural gas storing : Is obliged to provide conditions for secure storing, functioning and maintenance of natural gas storage to construction of new and rehabilitation of existing capacities for natural gas storing Is iable for the implementations of the development plan beforehand referred.

## The activities of natural gas storage operations

The natural gas storage operator is liable for:

- pressure and quantity contol in both working cycles,
- operating the natural gas storage,
- coordination of field operation with the transportation system operator,
- monitoring and ensuring for functional availability of surface and underground parts of the storage,
- passing the operation code and rules on third party access to the storage capacities.



#### 6. Conclusion

- AERS responsibility in gas storage area are: Issuing license and monitoring of compliance with license requirements (storage is in licensing phase),
- Approval of Operating Code for natural gas storage,
- Determining methodology and tariff system for setting use of storage charge (approved by Government) (AERS prepare draft of methodology and tariff system).
- But...The negotiation between Russian and our Government about partnership in gas sector is in progress and perhaps storage will not be under regulation.

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