

VÚJE Capabilities for Participation in the Development of Slovak Power Sector

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Options how to supply electricity to Slovakia

- Renewables – wind energy, biomass, geothermal energy
- Coal-burning power plants
- Natural gas burning power plants – cogeneration cycles
- Nuclear power plants
- Import of electricity
- Reduction of consumption, increase of efficiency

Position of nuclear in the Slovak energy sector

- Safe, efficient and reliable supply of electricity
- Good technical conditions for maintaining and developing nuclear power
- Positive awareness of the public to nuclear power
- Support from decision - makers

Mochovce 3, 4

- They are in the best conditions from all the projects suspended worldwide
- Project to upgrade their safety, reliability and competitiveness
 - Ø Basic safety on the level of units 1, 2, implementation of current requirements including those for severe accident management
 - Ø Upgrading of total power of the two units up to 1000 MWe
 - Ø Life time extension up to 40 years as a minimum
 - Ø New instrumentation and control system, new electric equipment
 - Ø Design for enhancing operational effectiveness etc.
- A feasibility study developed by Deloitte&Touche in cooperation with VÚJE Trnava and SE utility.

V1 Bohunice Units 1, 2

- Economically beneficial generation of electricity
- Safety at the level of nuclear units of the same vintage Western Europe
- Impossibility to replace these sources in the planned dates of their closure in 2006 and 2008

Role of VÚJE in the construction and operation of nuclear power plants

- 620 employees, out of which almost 60% with university degrees
- Almost the whole spectrum of services for nuclear sector
- More than 25 years of experience from nuclear sector
- Successful mastering of major projects in power sector
 - Ø Reconstruction of V1 Bohunice and others
- Readiness to be top in the supply system for Mochovce 3, 4 completion

Conclusions

- VÚJE supports the completion of Mochovce units 3 and 4 as the most effective option
- VÚJE calls the Slovak government to revive negotiations on a revision of a commitment to close V1 units in 2006 or 2008 respectively
- VÚJE is prepared to be an important participant in supply system for Mochovce 3,4 completion