

Blizzard on the 1st of February 2014 in Slovenia: first conclusions



























Recovery of the electric power system:

- 2 February: ¼ of consumers in Slovenia without power supply (0,5 million inhabitants); backbone of the system broken on several sections; two 400 kV, two 220 kV and two 110 kV overhead transmission lines out of operation; several communities without water supply; nearly 40 transmission towers collapsed or damaged;
- 7 February: several 10,000 consumers without power supply; some communities still without water supply; western part of Slovenia supplied from Croatia and Italy; central part of Slovenia supplied through only one new 400 kV overhead transmission line;
- two persons died due to Carbon monoxide poisoning, one person died due to an electric shock;
- 12 February: western part of Slovenia still supplied from Croatia and Italy; many consumers supplied with transportable generators; about 10,000 consumers still without power supply.

First conclusions:

- Severe weather conditions cause heavy disturbances on the electricity grid and consequently reduce power supply to the consumers and can threaten human lives.
- New transmission projects are necessary and should be relocated or designed for heavier weather conditions.
- Undergrounding of the distribution network would increase its reliability.



Planned transmission lines in Slovenia and suggested recommendations



Planned transmission lines in Slovenia:

All the following projects are of common interest to the EU:

- Interconnection between Žerjavinec (HR)/Heviz (HU) and Cirkovce (SI) (double circuit, 400 kV, 80 km, governmental decree enforced, contracting with landowners, preparing application for building permission),
- Upgrade of the internal 220 kV lines to 400 kV voltage level (double circuit, 400 kV; 1st section: Beričevo-Divača, 80 km, siting phase),
- Interconnection between West Udine (IT) and Okroglo (SI) (double circuit, 400 kV, up to 70 km; project in study phase).

Suggested recommendations:

- Exchange knowledge and information about best practices concerning siting and mitigation measures for energy infrastructure;
- Develop new and substitute existing overhead transmission lines with as-low-as-reasonable impact on the environment;
- Develop new and substitute existing distribution underground grid at acceptable costs.



ELES: public participation



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 Upgrade of the internal 220 kV line to 400 kV voltage level Beričevo-Divača (approximate length 80 km): new approach



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- Legislation: two public exhibitions and hearings;
- Additionally: 30,000 fliers distributed; invitation for participation in local newspapers published; 15 discussions organised (presentation of the project, questions and answers); collecting questions and preparing answers.



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 Additional planned activities in the future: monitoring EMF of existing line and calculations of new possible solutions; preparing meetings with stakeholders like representatives of local communities, civil initiatives and NGOs.

