

# Exchange Information

## no 37/2006

### Clarification of handling of capacity limitations

*In order to clarify for the market, Nord Pool Spot has received the following information from Svenska Kraftnät regarding how limitations connected to "West Coast corridor" in Sweden and "Ramping" connected to West Denmark (DK1) will be handled.*

#### **New routine for handling of limitations in the "West Coast corridor" in Sweden**

The West Coast Corridor is a section in the Swedish central grid cutting through Western Sweden near Gothenburg. The West Coast Corridor is only relevant from a congestion point of view for north-going load flows. Load-flow components which impact on the West Coast corridor are imports from Poland (SwePol Link), Germany (Baltic Cable) and Denmark (Zealand and Jutland) and exports to Southern Norway (Hasle). In some situations such conditions can lead to that the transmission flow in the West Coast Corridor exceeds what can be allowed with regard to the secure operation of the electric power grid system. Such conditions typically occur at night and at weekends.

The binding trading capacities on the interconnections for the following day are determined and declared to NPS every morning by 09:30 CET. If the expected transmission flow of electricity in the power system (prognosis) indicates that the West Coast Corridor capacity will be exceeded, the trading capacities for interconnections that affect the section will be limited in order to prevent that from happening.

This limitation has until now been handled by first limiting export to Southern Norway (Hasle) and in case of further needs by also limiting import from Denmark, Poland and Germany.

Beginning on 1 July 2006 a revised principle for distribution of limitations will be introduced.

The new principle is to always limit both export and import for all interconnections that affect the power flow through the West Coast Corridor. The limitations are made in proportion to a determined thermal capacity for each interconnection.

#### **Ramping**

Ramping is a measure that sometimes needs to be applied to ensure that the balance management (frequency control) in the Nordic electrical system is not put at risk. It implies that a change in the spot trading flow from one hour to the next between two areas is not allowed to exceed a set limit. If such a limit would be exceeded due to trading on the spot market, the ramping procedure will limit the capacity between the areas so that the ramping limits are upheld. The ramping limitation can be valid for a single or a combination of interconnections.

Svenska Kraftnät, Energinet.dk and Statnett have in the System Operation Agreement decided that ramping shall be applied on the interconnections West Denmark–South Norway (Skagerrak) and West Denmark–Sweden (Konti Skan) when the change in trading flow from one hour to the next to/from West Denmark exceeds 600 MW per interconnection or in total.

More details can be found on Nord Pool Spot homepage, see: " Notification regarding ramping".

Lysaker, 27 June 2006

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