

# Flow-based Stakeholder meeting



# Flow-based impact on balancing

- Flow-Based (FB) comes with a reduction of ATC.
  - Lower ATC mean less exchange of balancing energy and higher local activation.
  - Higher reserve need in each area.
  - Higher balancing energy prices.
  
- Flow-Based (FB) improves the representation of the grid:
  - Lower local activations due to congestions.
  - Reduced reserves need for local congestions.

**The Security of Supply for the Nordic area is ensured by dimensioning process.**

- 1) TSO's will take reduced ATC from Flow-based into reserve procurement considerations:
  - Increase local FRR procurement
  - TSO's can reserve ATC prior DA (e.g. mFRR CM)
- 2) Frequency products (FCR and aFRR) utilize FRM's\*.
- 3) TSO can deviate from Flow-Based ATC if critical situation(accepting overloads).

\*Flow Reliability Margin

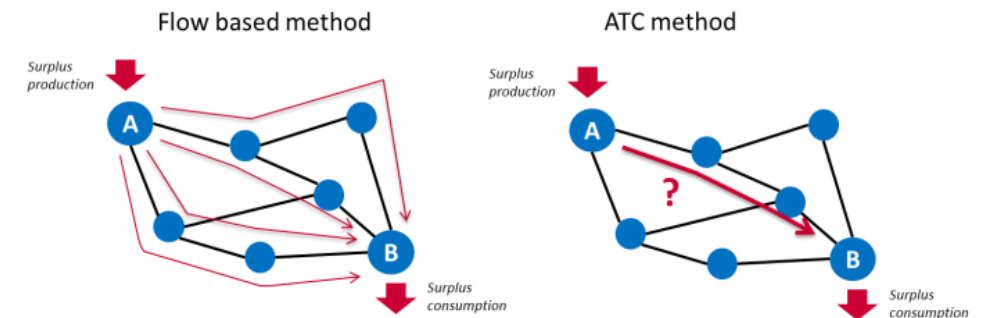


Figure 4 Difference in calculated power flows between bidding areas using the FB and CNTC methods

# Questions

Read more about NBM: [nordicbalancingmodel](https://nordicbalancingmodel.com)

Join our webinars:

General updates:	27 Sept	09:00 – 10:00
Insights from "shadow operation":	1 Oct	14:00 – 15:30