Nordic Grid Development Plan 2019

Nordic Grid Development plan 2019 - Purpose

- communicate status of ongoing and planned Nordic investments and how they contribute to Nordic socioeconomic welfare
- communicate results of new system analysis investigating the cost/benefit of further increasing the transmission capacity in the Nordic system (five corridors)
- function as a “bridge” between the ENTSO-E process and the national planning processes

Nordic Grid Development plan 2019 - Scope

- Common Nordic Reference scenario, based on ENTSO-E/TYNDP scenario “Sustainable transition”
- Harmonized CBA methodology
- Non-binding bilateral studies of the five corridors – <u>early assessment</u> of potential benefits, from a Nordic system perspective
- Stakeholder interaction

Nordic Grid Development plan 2019 – Scope/ Nordic Reference scenario

- Based on ENTSO-E/TYNDP scenario “Sustainable transition”, with relevant adjustments for a Nordic perspective
- Identify major uncertainties of common relevance for the bilateral studies

Nordic Grid Development plan 2019 – Scope/ Harmonized CBA methodology

- «Best practice» from national methodologies and ENTSO-E methodology

- The CBA methodology should not aim to include all possible costs and benefits, but rather those that are deemed most important and possible to calculate/assess in the very early stages of investigating potential grid investments

Nordic Grid Development plan 2019 – Scope/ Bilateral studies

- NO2-DK1: need for reinvestment of Skagerrak 1-2
- NO1-SE3: potential need for increased capacity due to Swedish nuclear decommissioning
- SE3-DK1, SE4-DK2: need for reinvestment of Kontiskan 2, potential need for increased capacity DK-SE
- NO4-FI: investigate the consequences of massive wind expansion in the far North
- SE2-FI (Kvarken): confirm results from 2016 studies and prepare for decision to move forward with planning

Nordic Grid Development plan 2019 – Scope/ Stakeholder interaction

- Q1 2018:
  - Communicate the purpose and scope of NGDP2019
  - Collect input from market actors on scenario and sensitivities, important aspects to investigate etc.
- Q2/Q3 2018:
  - Communication of Nordic Reference scenario and CBA methodology