



NVE

Bridging Ambitions and Implementation in Nordic Hydrogen

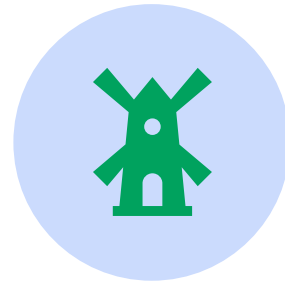
NVEs long term power market analysis and Nordic perspectives
29.04.26, Trondheim

The Norwegian Water Resources and Energy Directorate

Our responsibilities



Contribute to a comprehensive and environmentally friendly management of watercourses



Promote a socio-economically efficient production, transfer, sale and use of energy



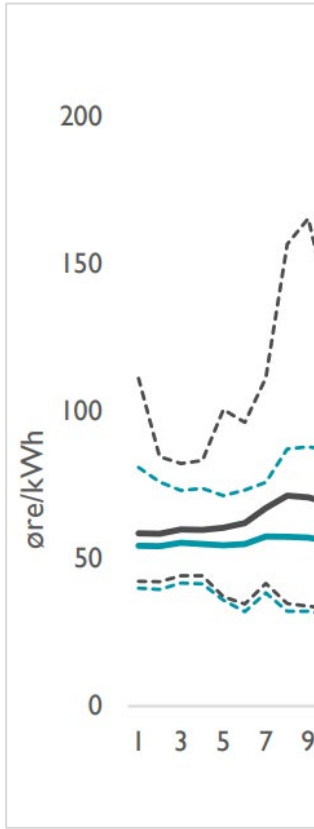
Ensure secure power supply



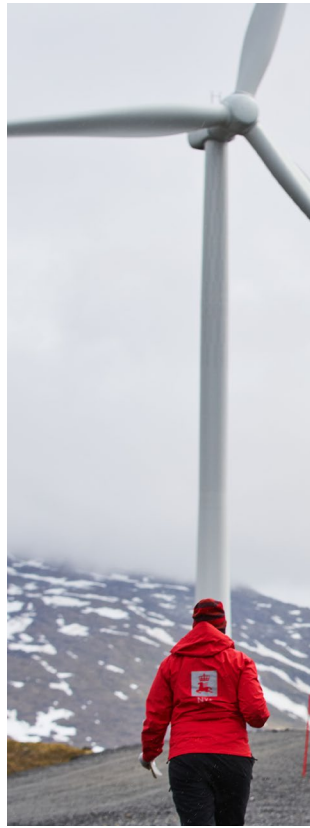
Improve society's ability to handle flood and landslide risk



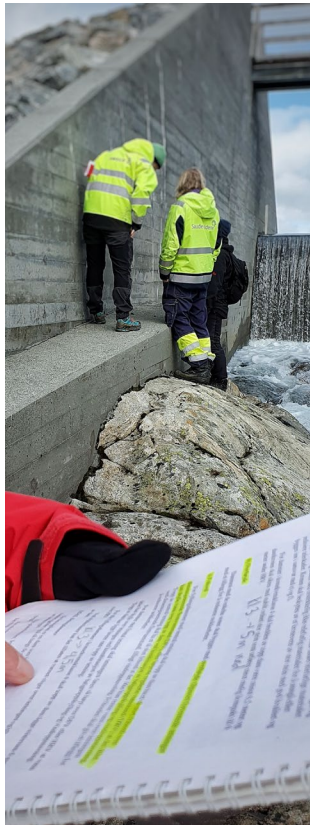
Energy



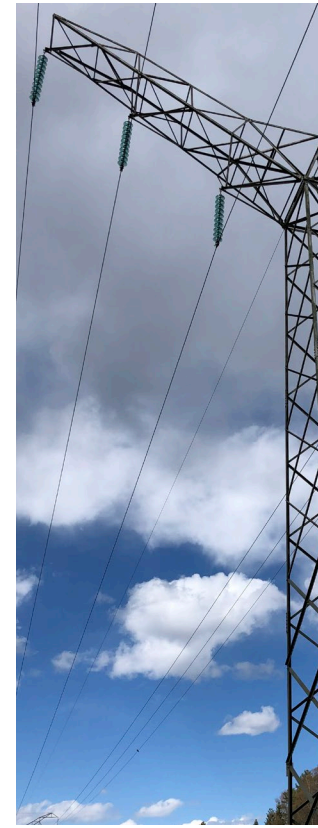
Analyses



Licensing



Supervision



Regulation
(RME)



RAPPOR NR. 15 / 2025

Langsiktig kraftmarkedsanalyse 2025

Energjomstilling i urolige tider

SKREVET AV Kasper Kragh Balke, Henriette Birkelund, Hyrre Kirkebakk Fjær, Kevin Johnson, Jon Gustav Kirkerud, Lasse Nygaard Kvasnes, Øystein Løvstad Lokve, Ellen Skaansar, Dag Spilde, Maria Eri Serbye og Åsa Grytli Tveten. Med bidrag fra flere



RAPPOR NR. 24 / 2025

Scenarier for kraftmarkedet 2025

Omstillingsdrevet forbruksvekst mot 2035

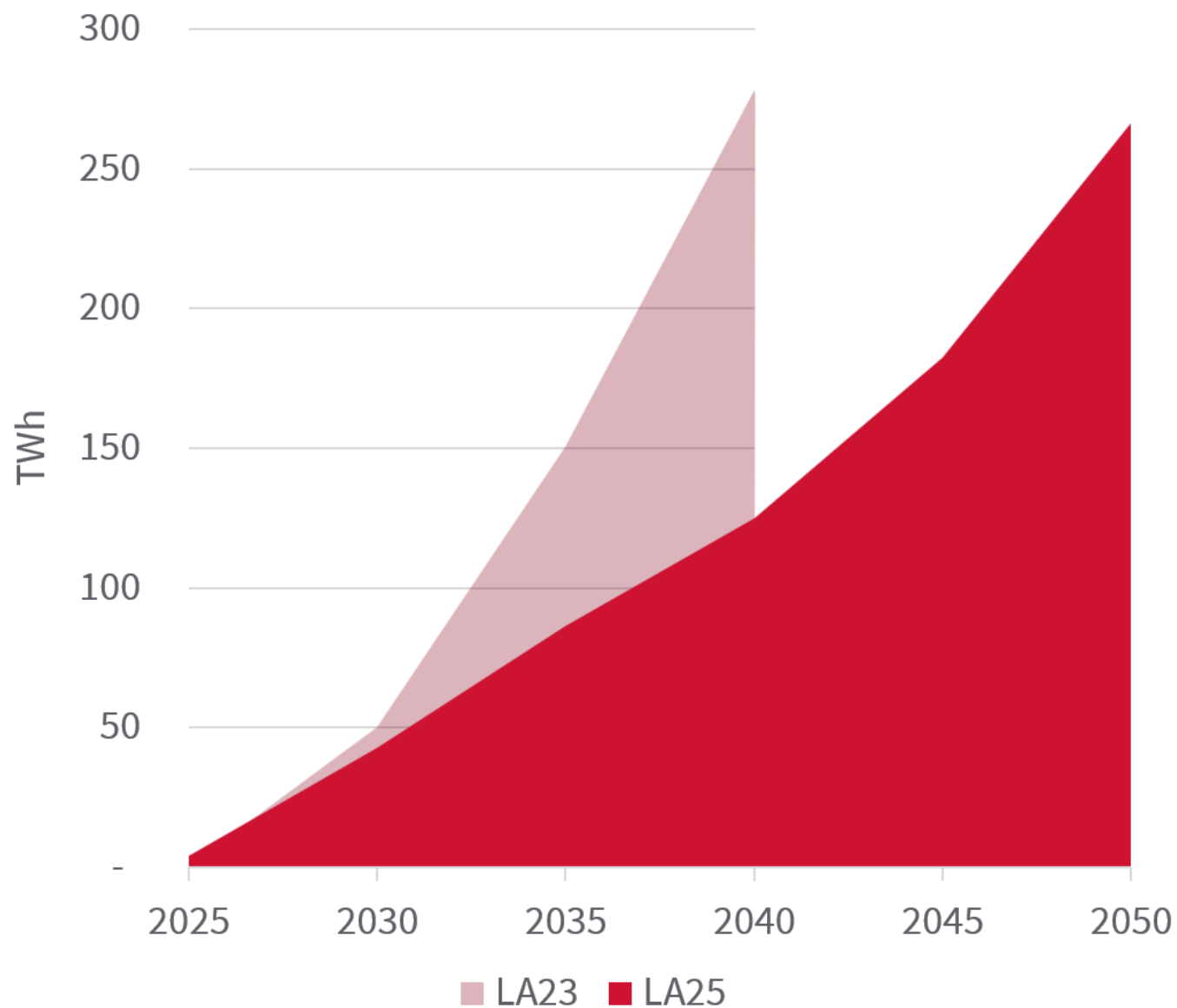
SKREVET AV Ole Kristian Ådnanes, Katrine Hildre Storaker, Åsa Grytli Tveten, Kevin Johnson, Lasse Nygaard Kvasnes, Kjetil Karlsen Saxegaard, Ellen Skaansar, Dag Spilde, Maria Eri Serbye og Jørgen Kristoffer Tuset, med bidrag fra flere.

Energy transition in turbulent times

-Changes from 2023-2025 analysis

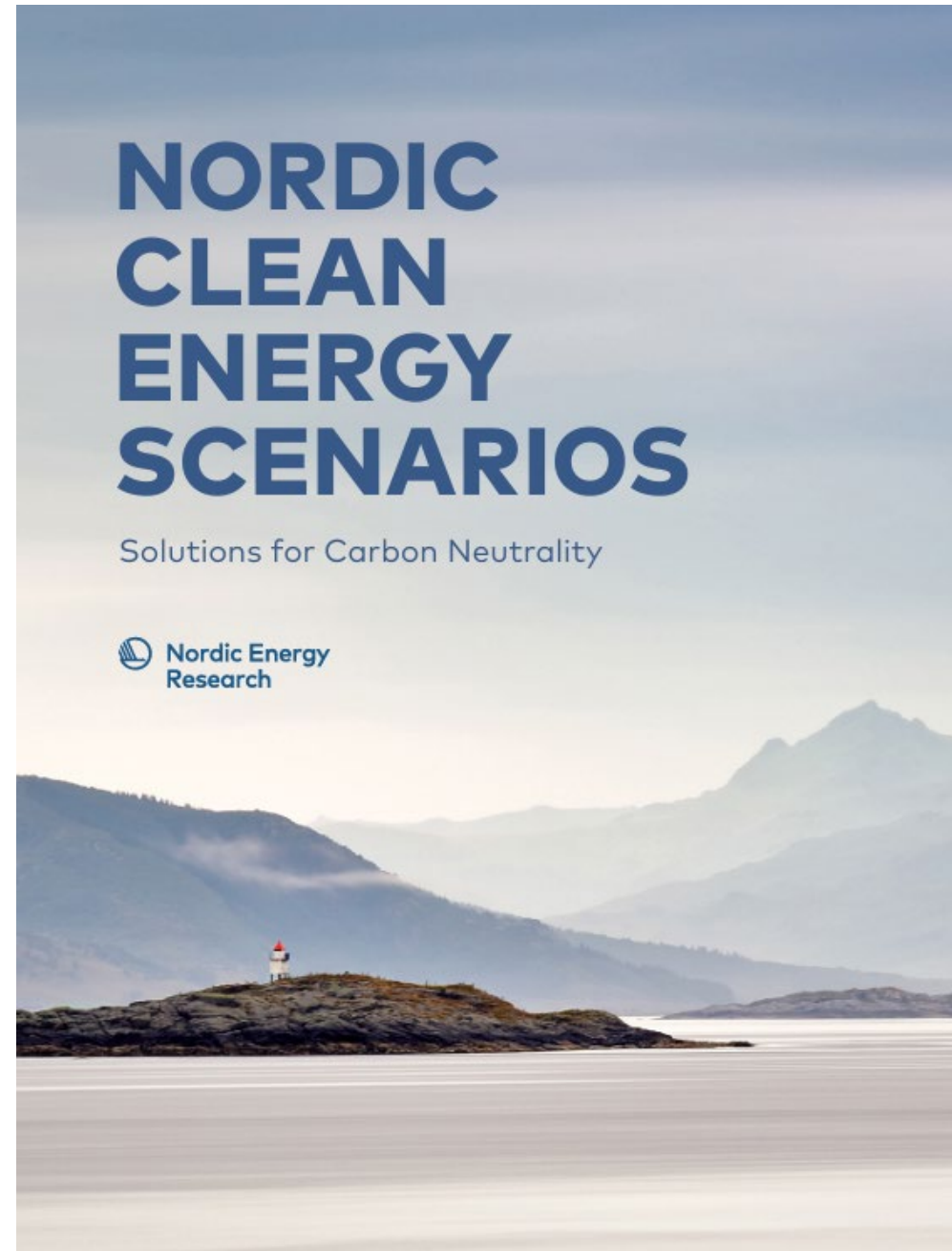
- ✦ Rising costs are weakening the commercial viability of green hydrogen (and offshore wind)
- ✦ High ambitions for green hydrogen, but development is progressing slowly

Power to hydrogen - Europe*



Nordic Clean Energy Scenarios

- Published in 2021
- Backcasting
- Energy system analysis
- Three scenarios:
 - CNN
 - NPH
 - CNB



LA25 vs NCES on H2

- Clearly not on the NPH-pathway
- Higher than NCES CNN,
 - However, not on the CNN-pathway on CCS and BECCS, and other key trajectories.

Nordic Power to H2-demand

