



LANGSIKTIG KRAFTMARKEDSANALYSE 2020

Silje Jelsness, NVE



NVE

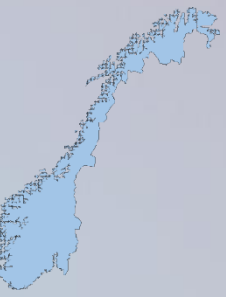
LANGSIKTIG KRAFTMARKEDSANALYSE 2020 – 2040

MER FORNYBAR KRAFTPRODUKSJON
GIR MER VÆRAVHENGIGE KRAFTPRISER

Oktober 2020



Tre hovedtrender vil prege kraftforbruket fremover



Elektrifisering



Nye kraftkrevende næringer

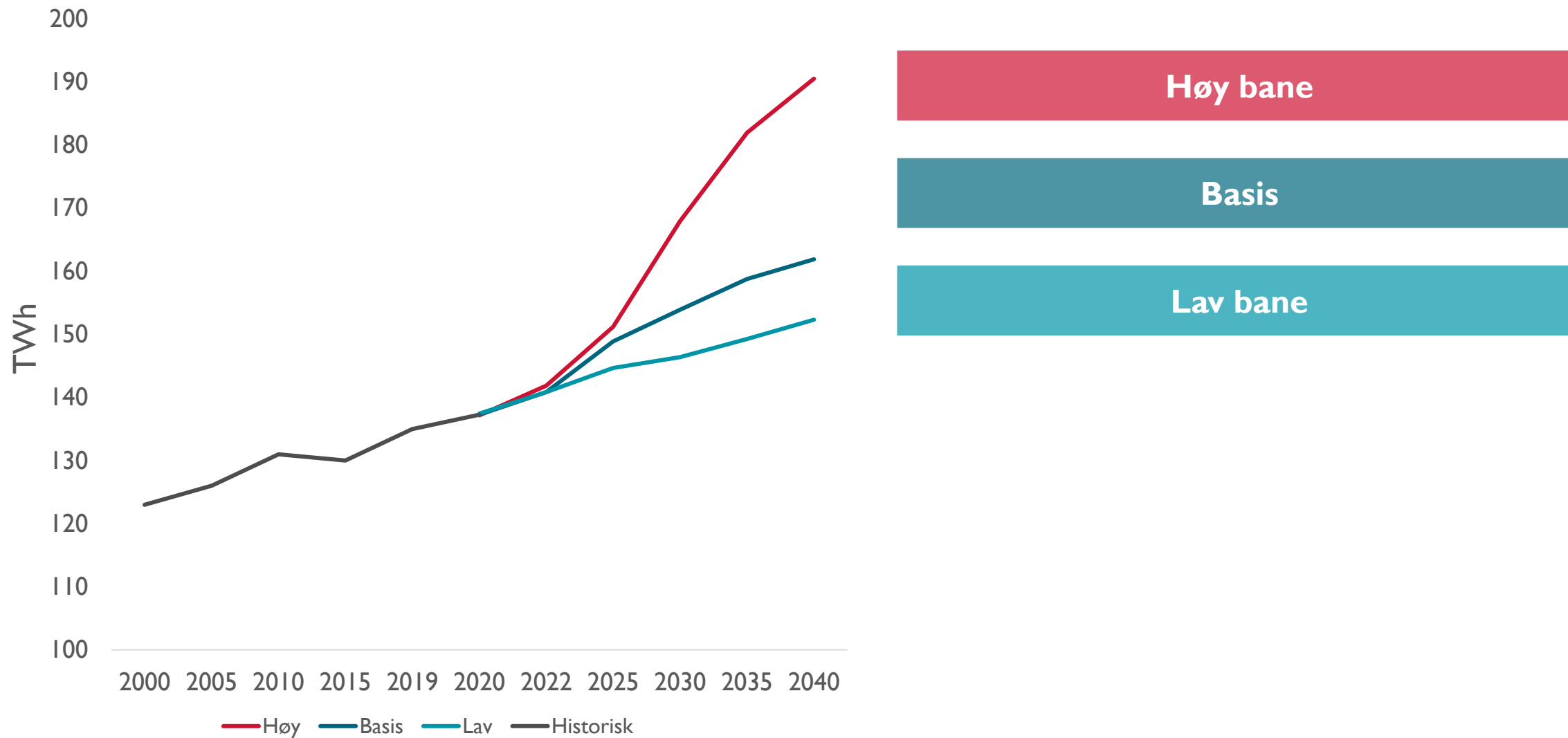


Energieffektivisering

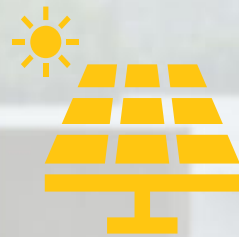
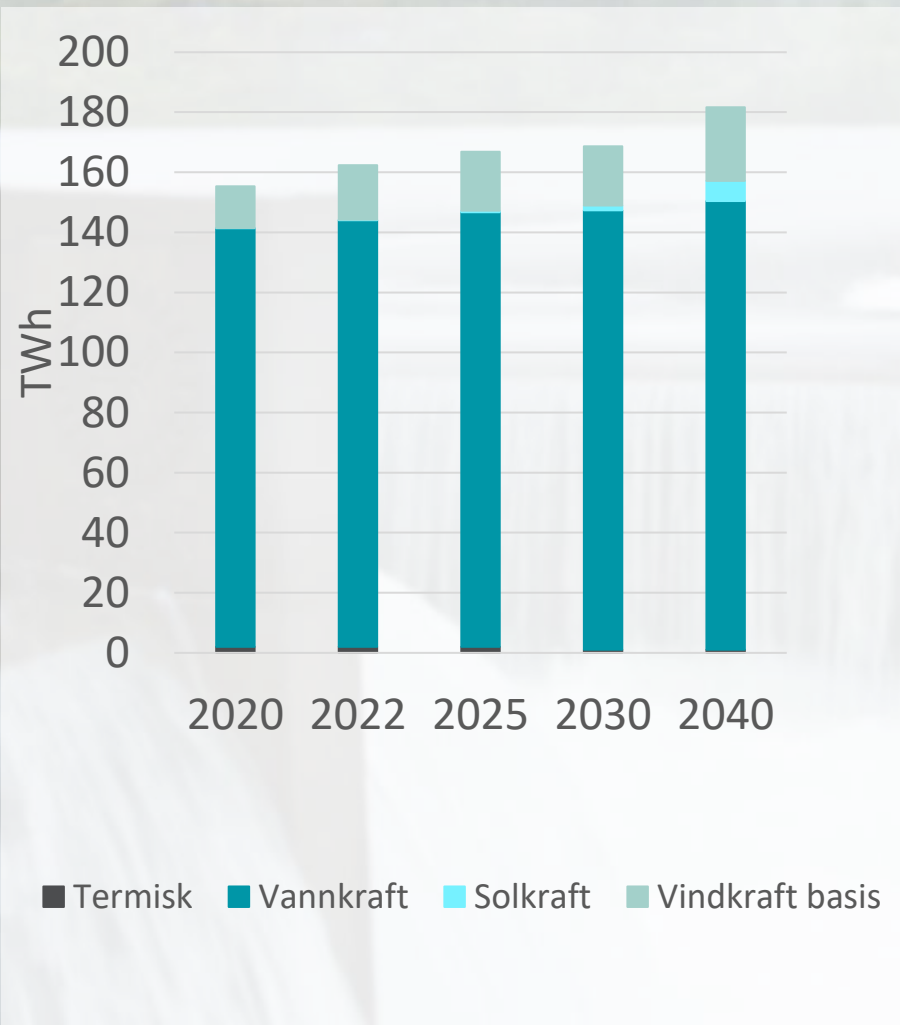


NVE

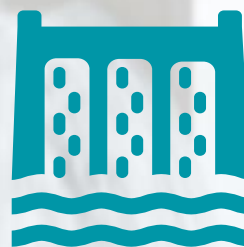
Norsk kraftforbruk vil øke, men hvor mye er usikkert



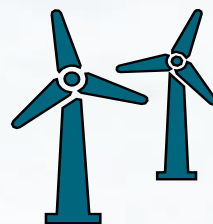
Det er delte meninger om potensial for ny kraftproduksjon



+ 7 TWh

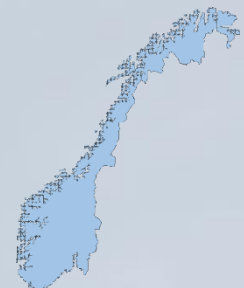


+ 10 TWh



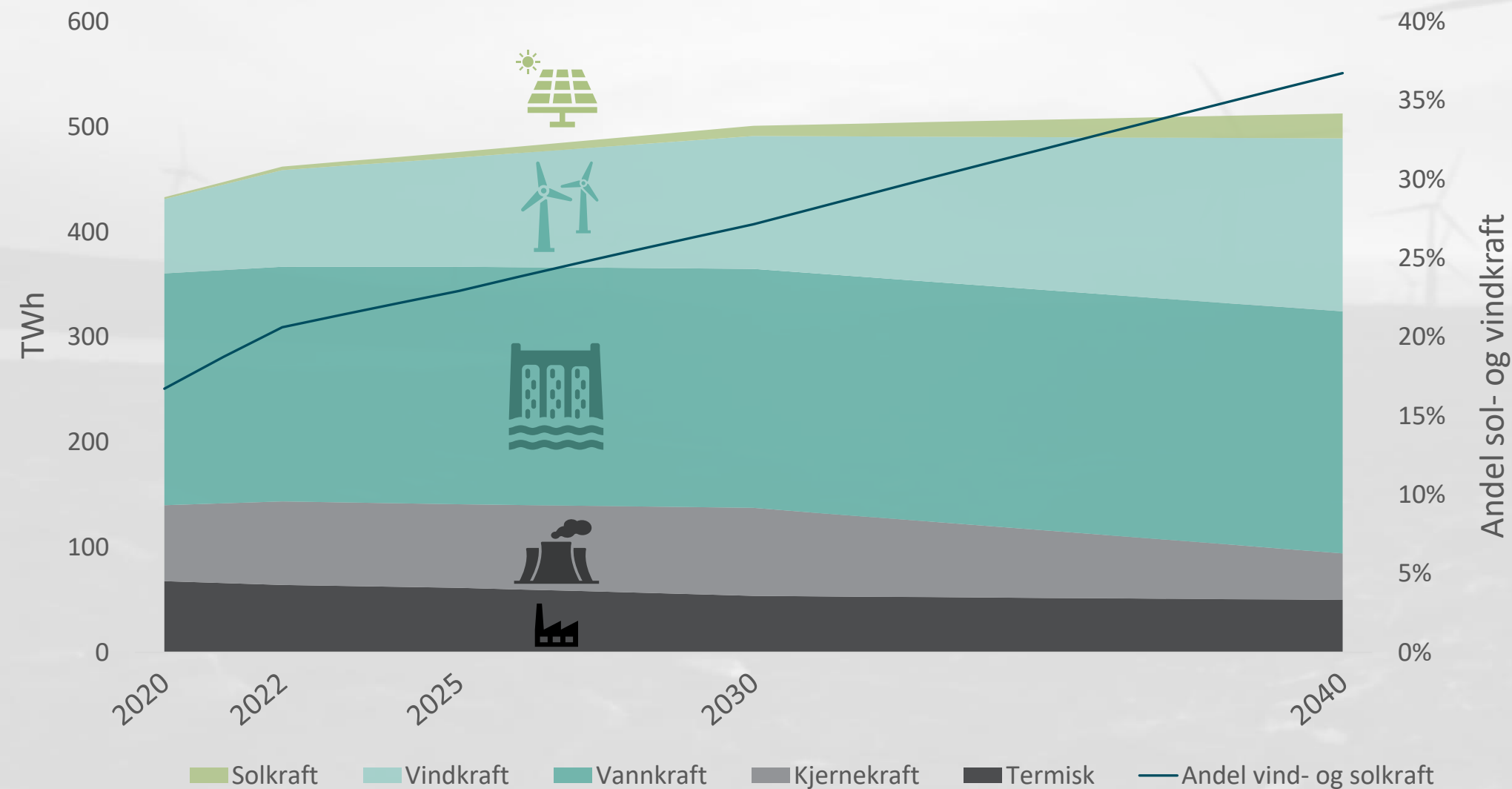
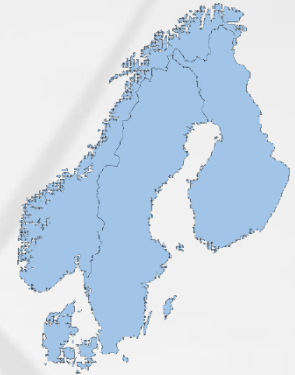
+ 10 TWh ?

To baner for vindkraftutbygging i Norge

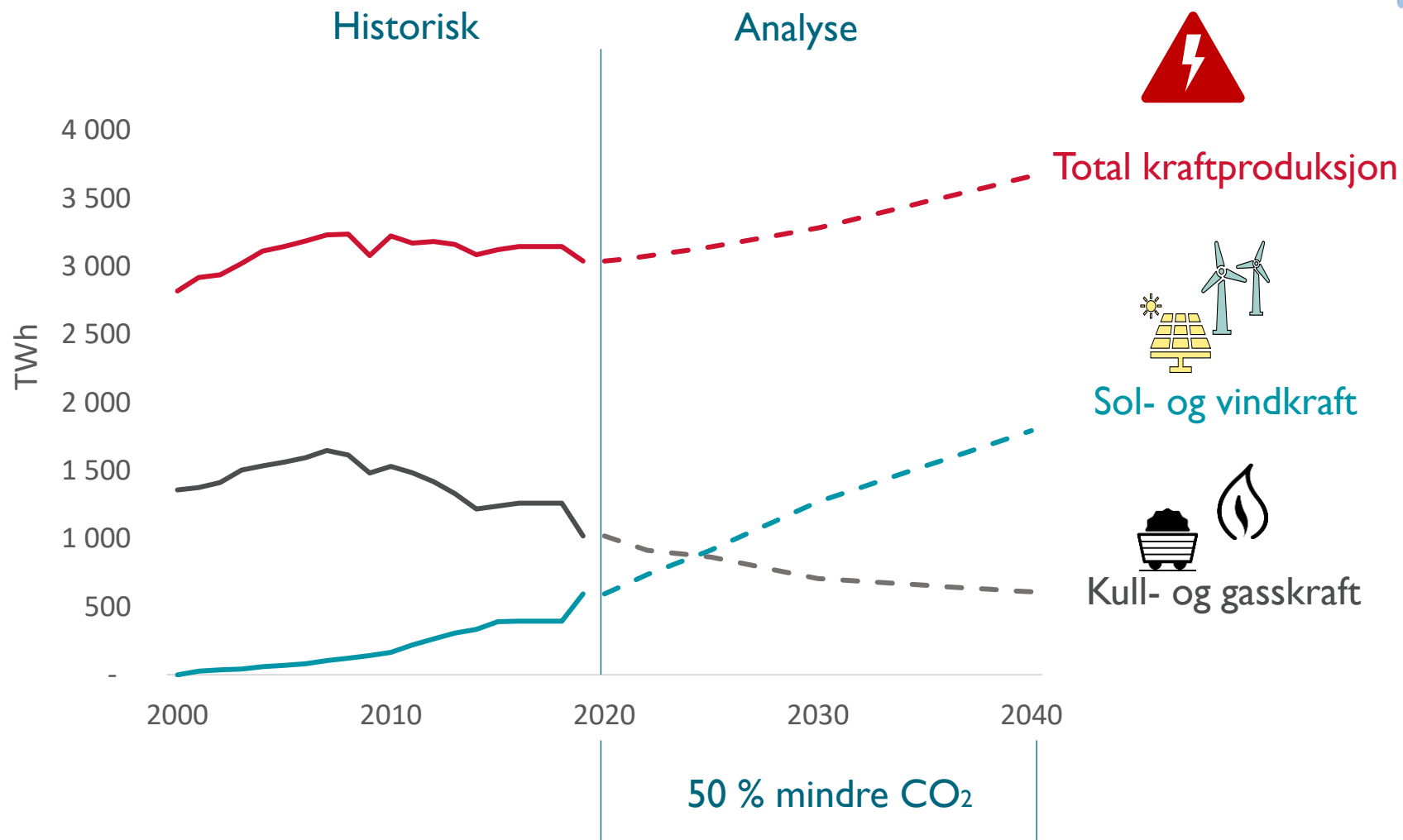




Sol- og vindkraft øker videre i Norden

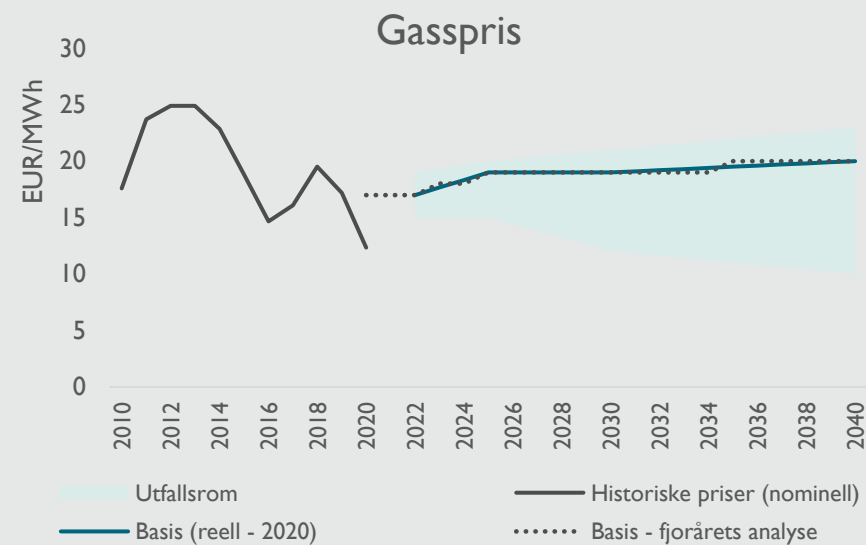
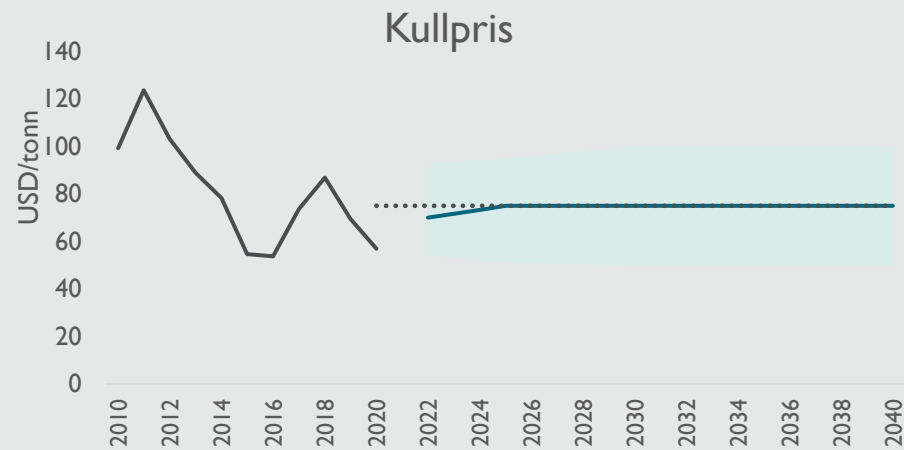
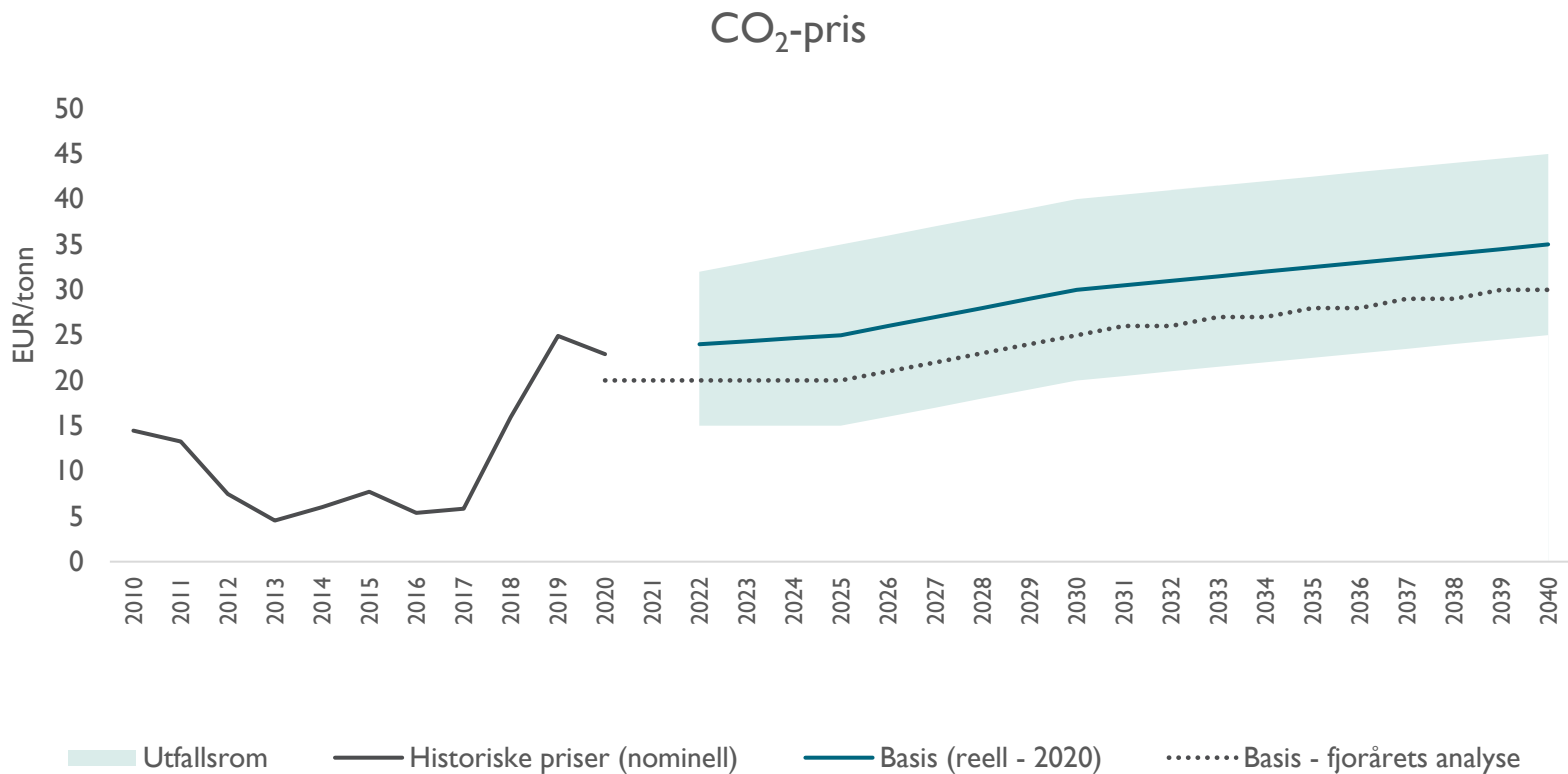


Det europeiske kraftsystemet er i fundamental endring

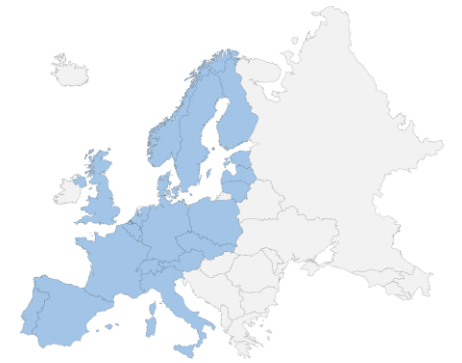




CO₂- og brenselpriser



Økt fornybarandel i europeisk kraftproduksjon



Kullkraft



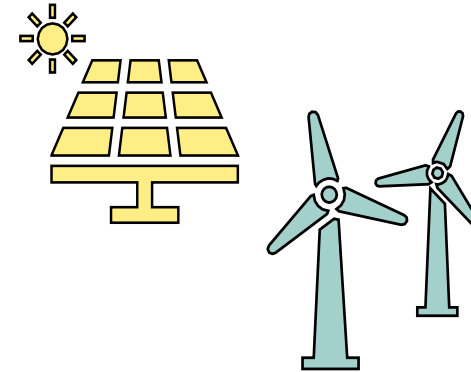
2020 → 2040
11 % → 1 %

Gasskraft



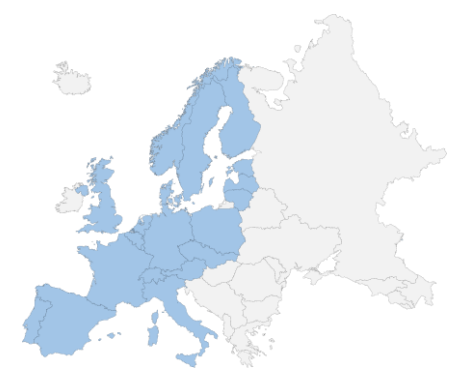
2020 → 2040
20 % → 15 %

Sol- og vindkraft

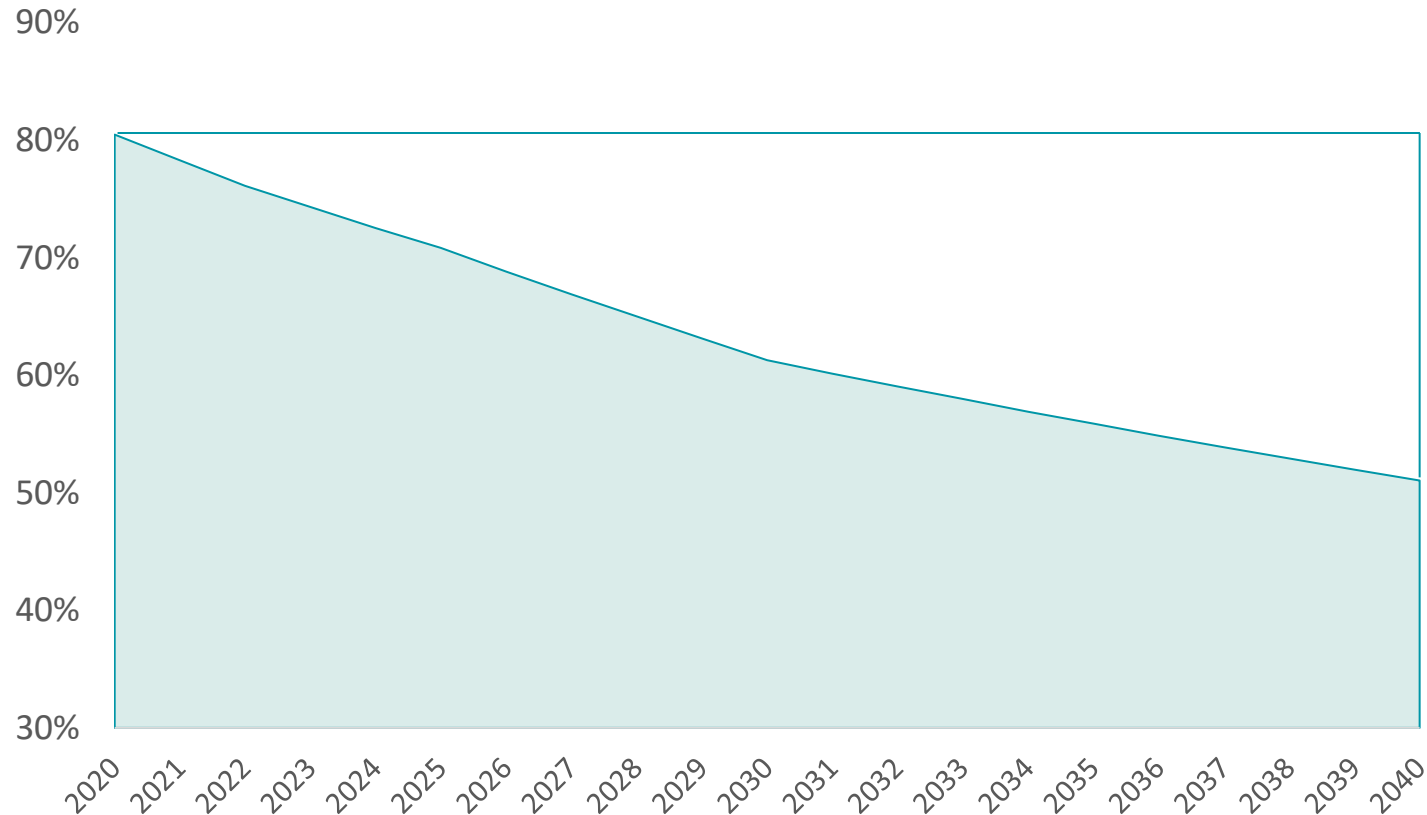


2020 → 2040
20 % → 50 %

Endringene fører til nye aktører i kraftsystemet



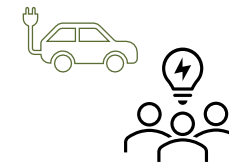
Andel fleksibel kraftproduksjon i Europa



Nye kilder til fleksibilitet



Batterier



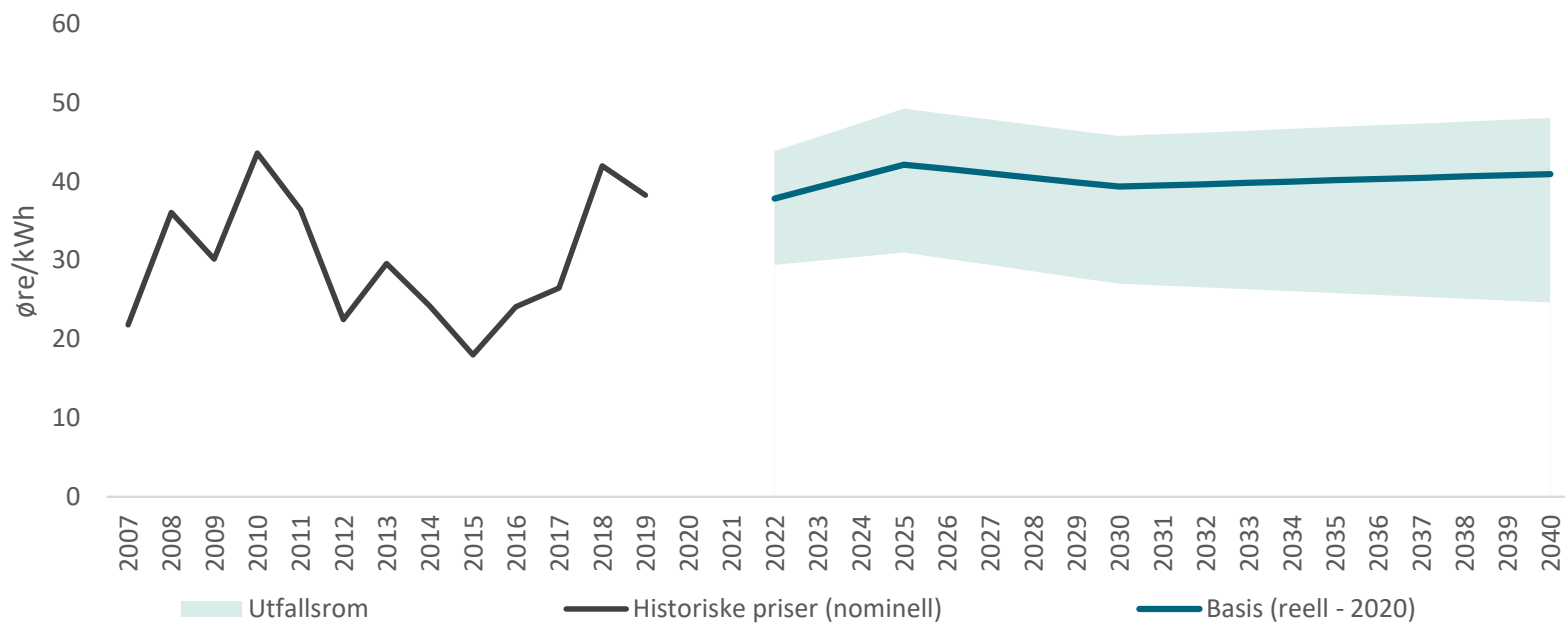
Fleksibilitet i husholdninger og næringsbygg

H₂

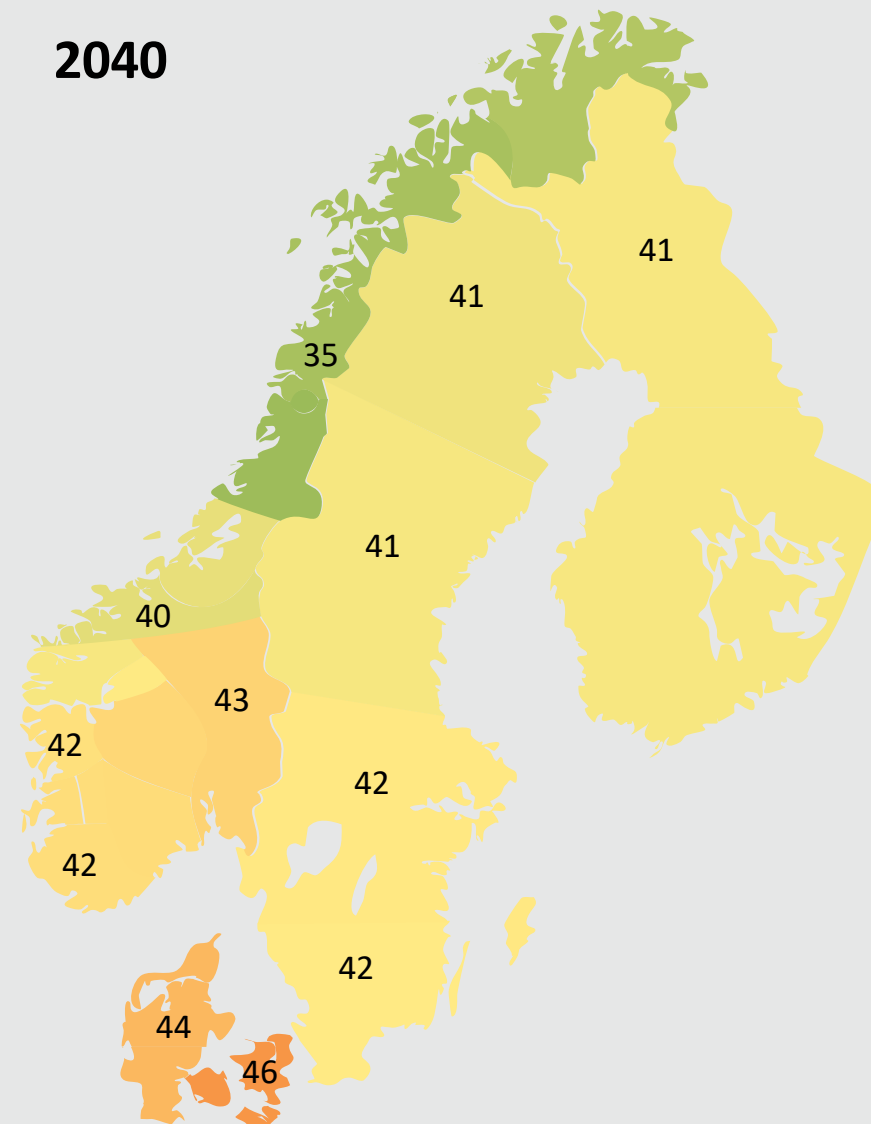
Forbruk til hydrogenproduksjon



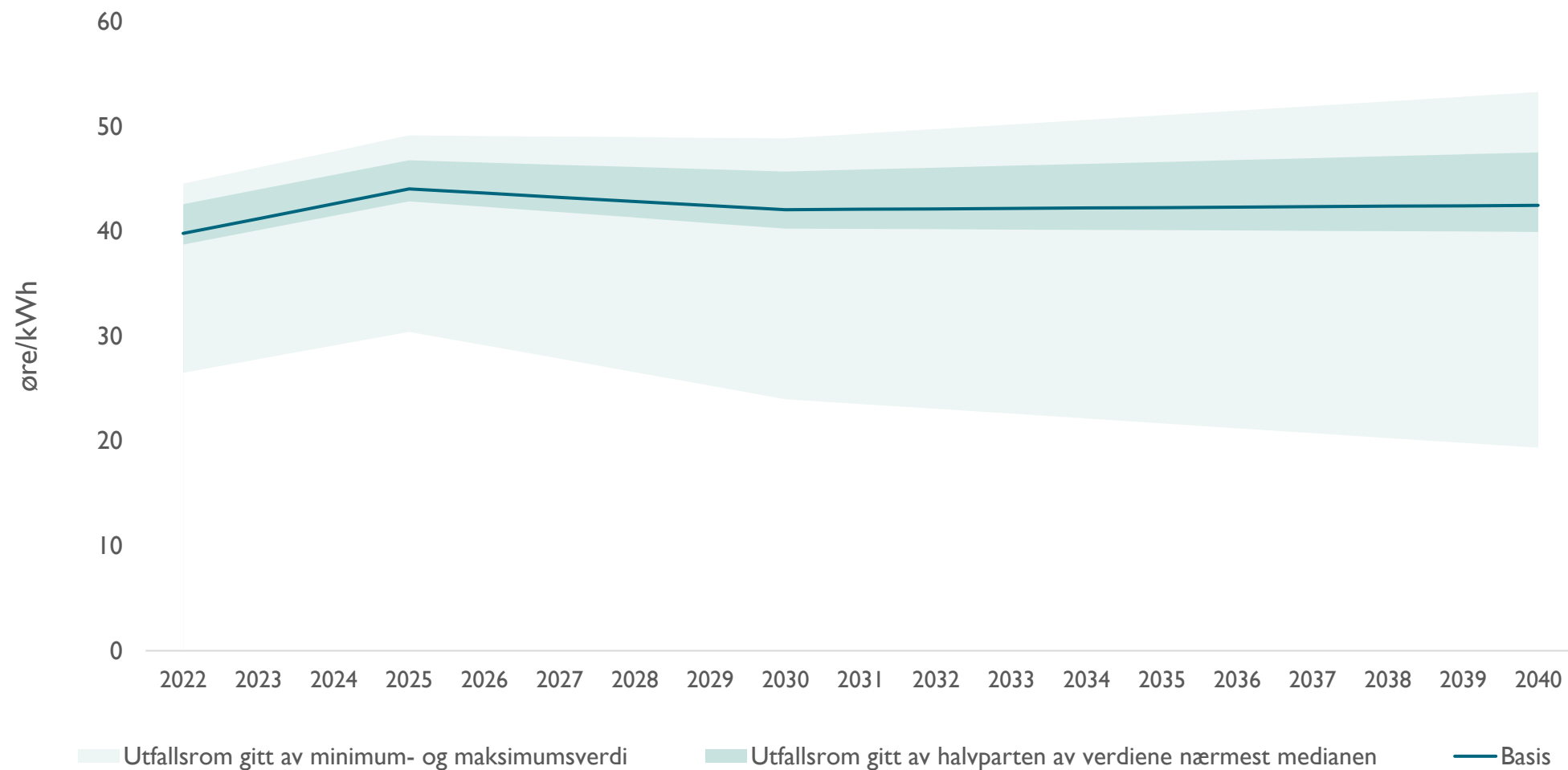
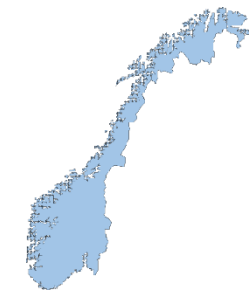
Norsk kraftpris tilnærmet uendret



2040



Vær vil fortsette å ha stor innvirkning på kraftprisen





Kraftbalanser TWh

