

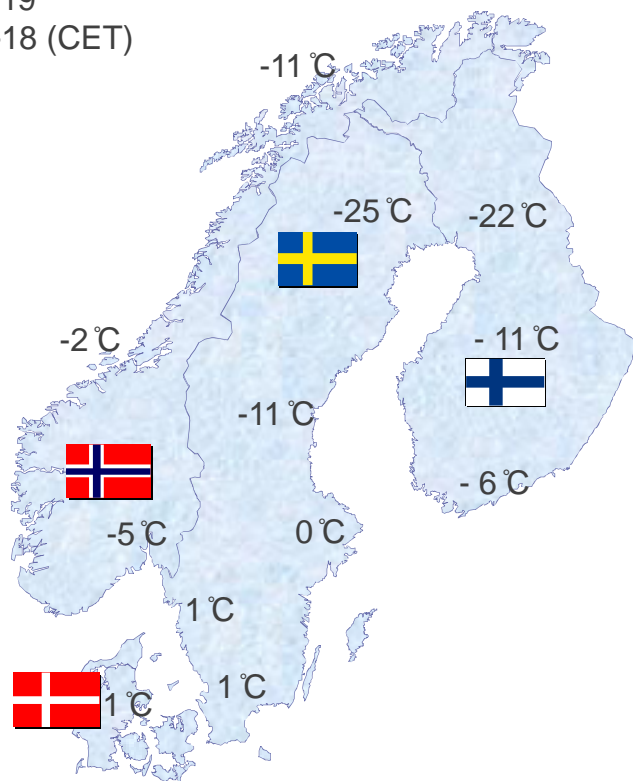
Nordic Summary of the Winter 2018-2019

Nordic operations group

RGN Meeting May 2019

PEAK LOAD 2018-2019 in the total Nordic area and in each country

Temperatures on
31.01.2019
Hour 17-18 (CET)



NORDIC AREA	Forecast (10 year winter)	Nordic peak load 31.01.2019 hour 17-18 (CET)
CONSUMPTION (C)	73 100*	66 120
PRODUCTION (P)	70 100	66 671

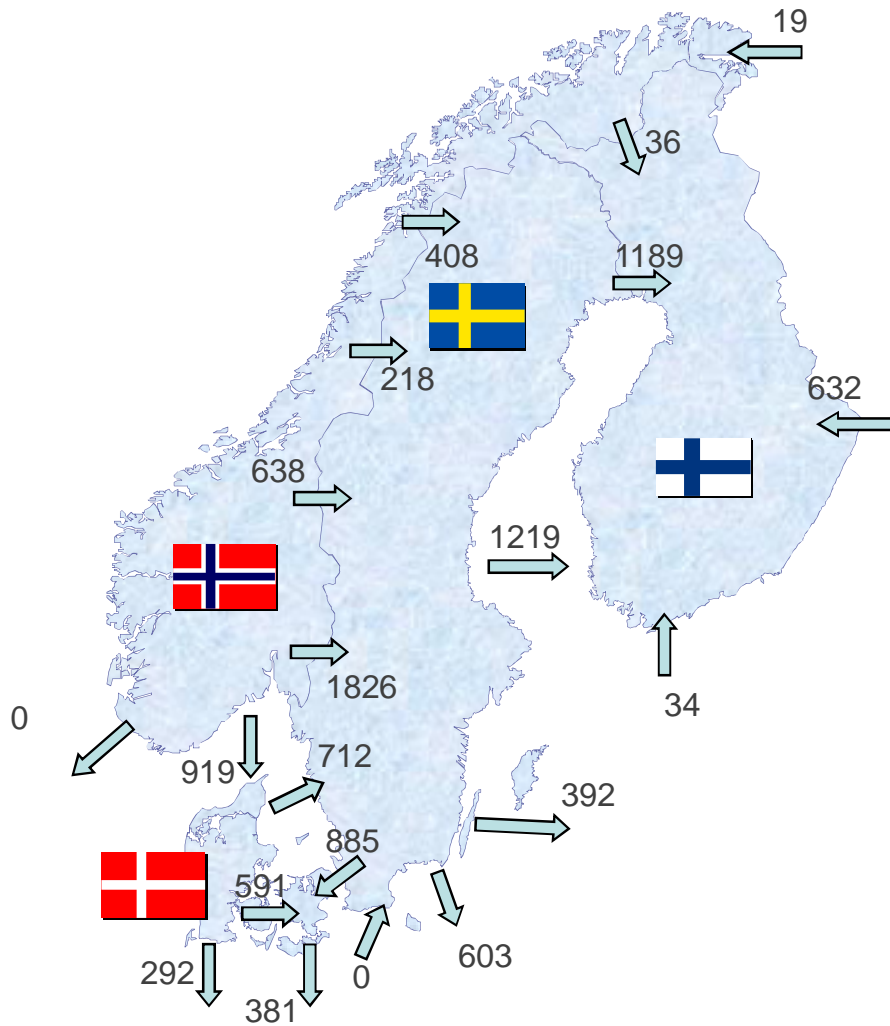
* 2% lower than sum of national peaks

	Forecast (10 year winter)	Nordic peak load 31.01.2019 hour 17-18 (CET)	National peak load during the winter 2018/2019 (CET)	
Finland				
C	15 200	13 077	14 542	28.01.2019 hour 07-08
P	12 000	10 041	10 978	
Sweden				
C	27 800	23 900	25 200	30.01.2019 hour 17-18
P	26 300	24 400	24 500	
Norway				
C	25 400	23 672	23 672	31.01.2019 hour 17-18
P	26 800	27 087	27 087	
Denmark				
C	6 200	5 471	5 892	28.11.2018 hour 17-18
P	5 000	5 143	6 416	

Data source: Nord Pool Spot or TSO

MEASURED FLOW AND DAY-AHEAD PRICES AT NORDIC PEAK LOAD ON 31.01.2019

Hour 17-18 (CET) [MWh/h]



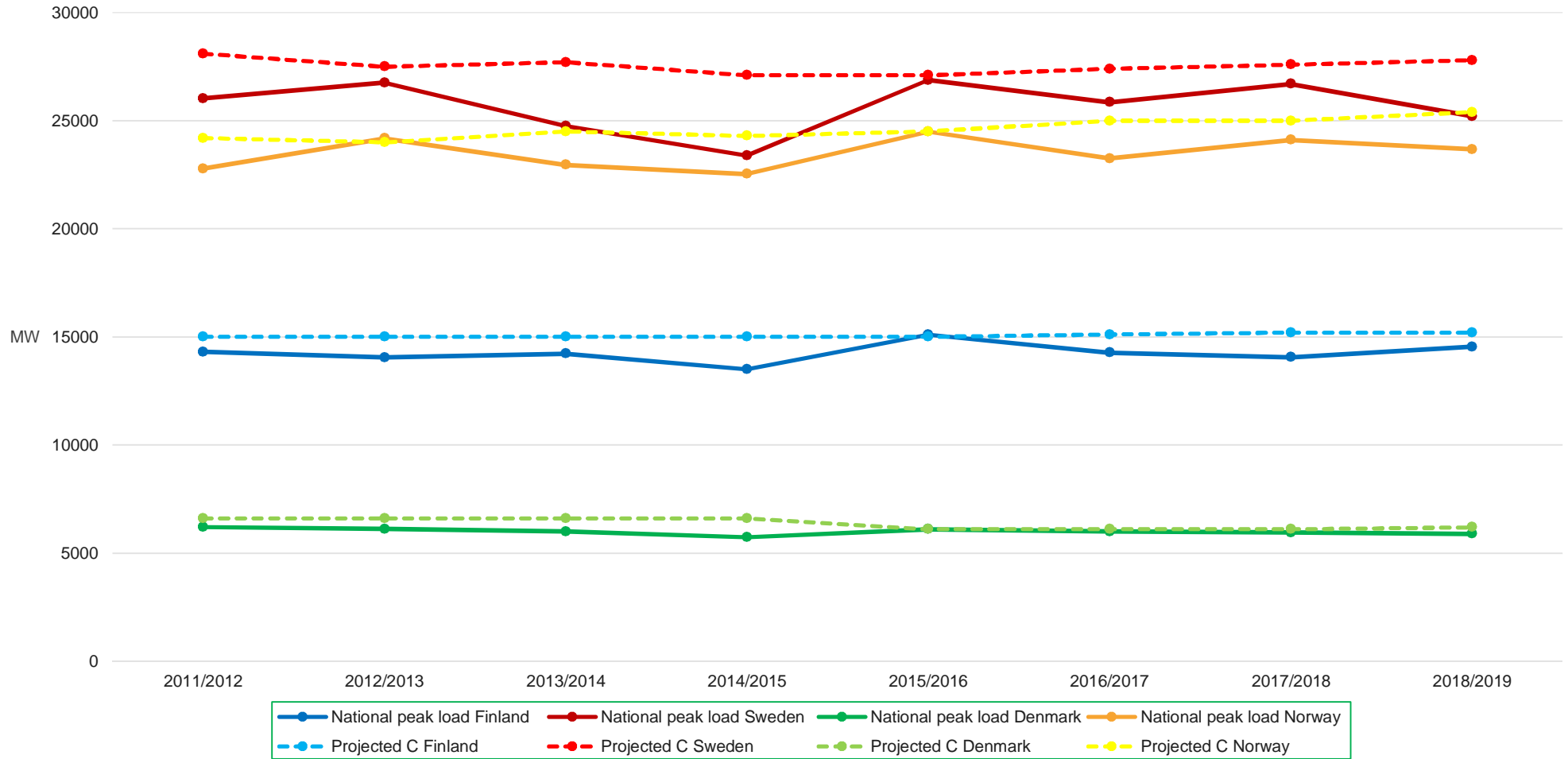
Area	Spot Price During Peak Hour (EUR)
DK1	57,31
DK2	66,68
FI	70,03
NO1	60,27
NO2	57,31
NO3	60,27
NO4	57,31
NO5	57,31
SE1	60,27
SE2	60,27
SE3	60,27
SE4	66,68

Data source: Nord Pool Spot

Nordic summary

- The winter was characterized by relatively warm weather.
- In the peak load hours the Nordic area was an exporting area.
- Output of wind power during Nordic peak hour was 4 465 MW (1 687 MW in Denmark, 1 045 MW in Norway, 1 694 MW in Sweden, 39 MW in Finland)
- In order to secure a sufficient margin for the power balance, the standby time was changed for a portion of the Swedish peak load reserve during 23-24 January after a sudden drop in nuclear production. No actual production was ultimately needed. The peak load reserve was not activated during the winter in Finland.

National peak load compared to projected peak load 1/10 winters



Comparison of Nordic winter summary and outlook (1/10 winters)

