

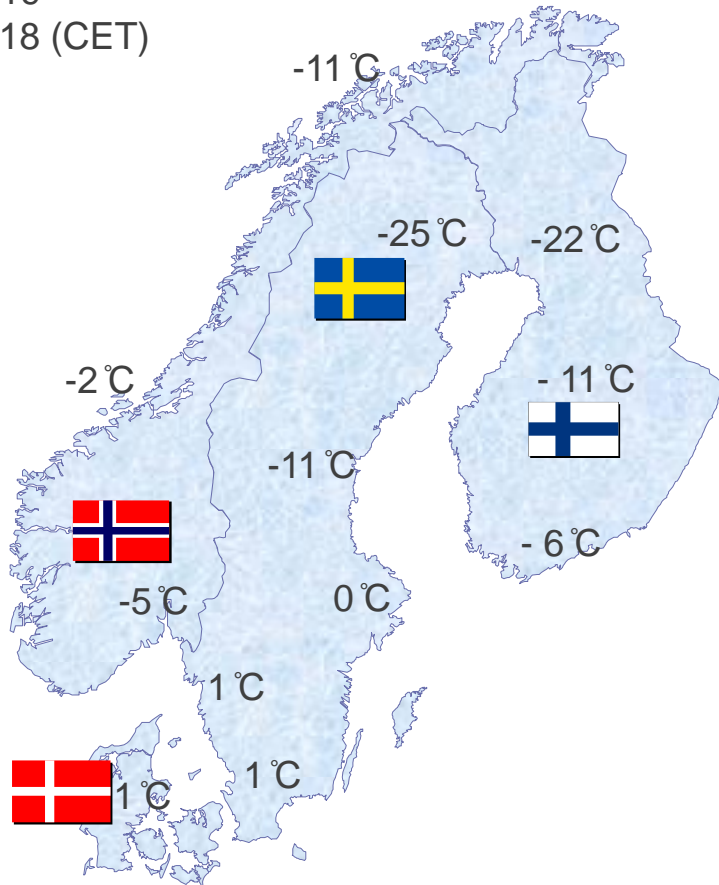
Nordic Summary of the Winter 2018-2019

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 |

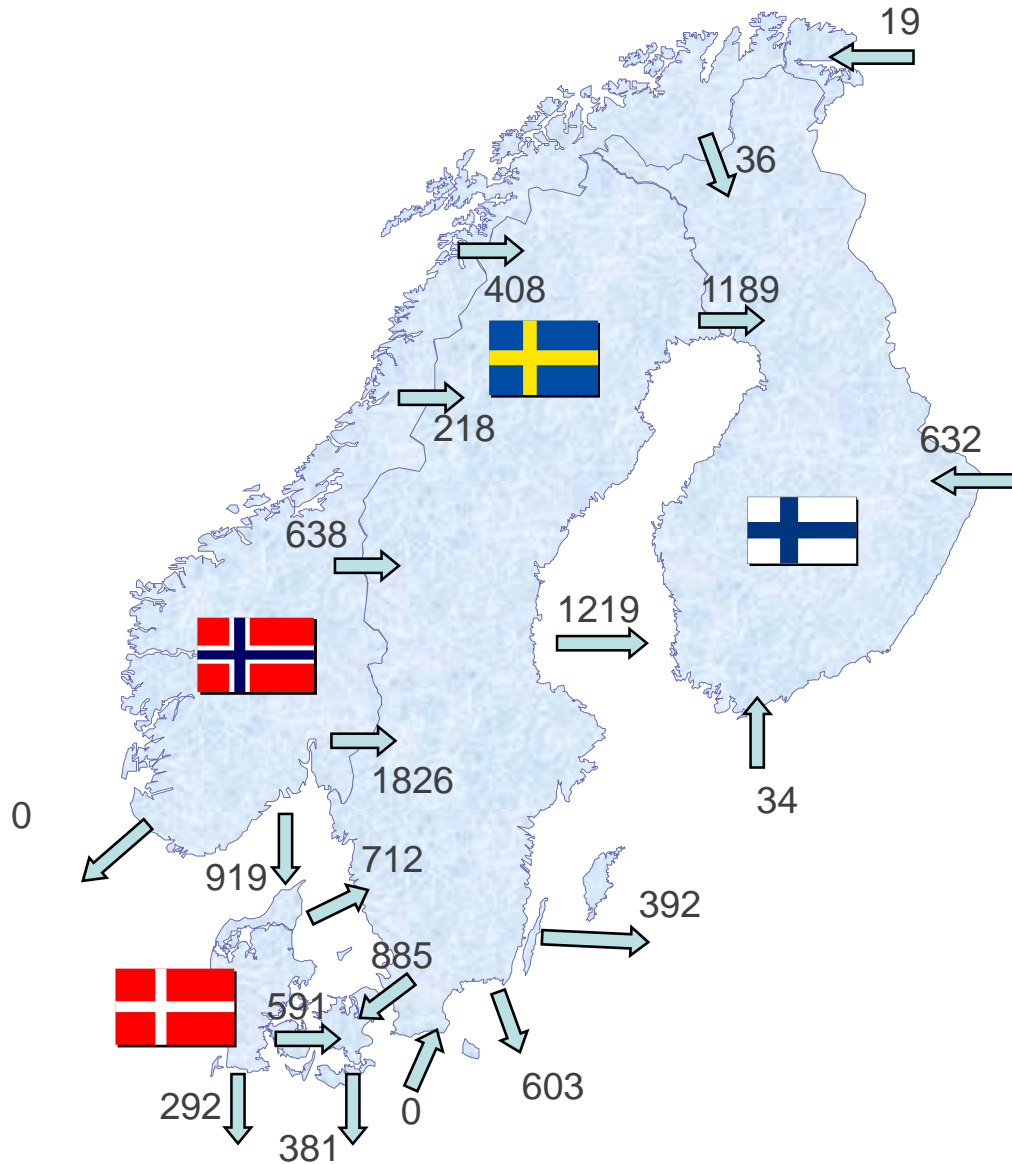
* 2% lower than sum of national peaks

| | 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]



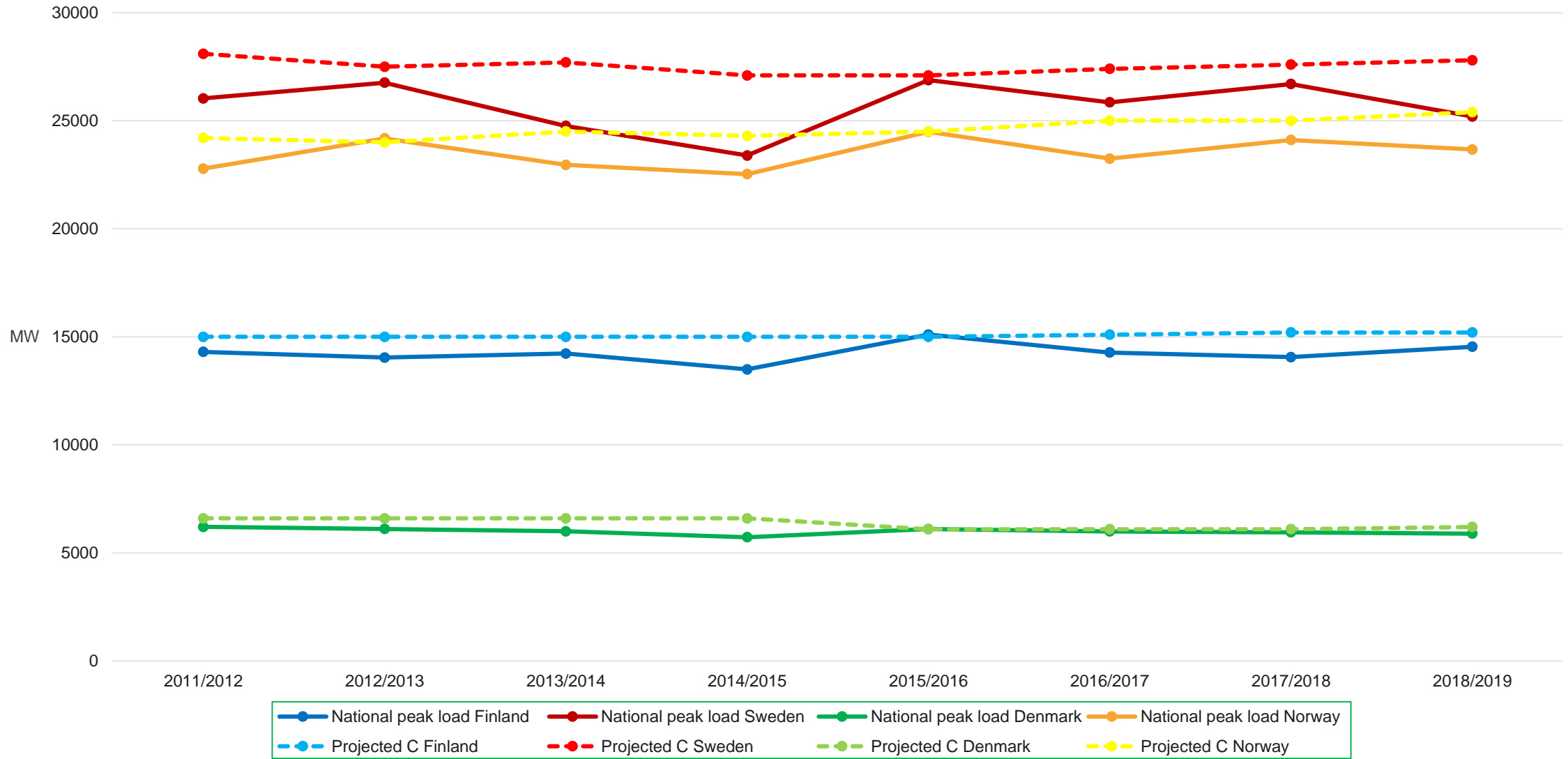
| Area | Spot Price During Peak Hour (EUR) |
|------|-----------------------------------|
| DK1 | 57,31 |
| DK2 | 66,68 |
| FI | 70,03 |
| NO1 | 60,27 |
| NO2 | 57,31 |
| NO3 | 60,27 |
| NO4 | 57,31 |
| NO5 | 57,31 |
| SE1 | 60,27 |
| SE2 | 60,27 |
| SE3 | 60,27 |
| SE4 | 66,68 |

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)

