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)

<table>
<thead>
<tr>
<th>NORDIC AREA</th>
<th>Forecast (10 year winter)</th>
<th>Nordic peak load 31.01.2019 hour 17-18 (CET)</th>
<th>National peak load during the winter 2018/2019 (CET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSUMPTION (C)</td>
<td>73 100*</td>
<td>66 120</td>
<td></td>
</tr>
<tr>
<td>PRODUCTION (P)</td>
<td>70 100</td>
<td>66 671</td>
<td></td>
</tr>
</tbody>
</table>

Data source: Nord Pool Spot or TSO

* 2% lower than sum of national peaks
MEASURED FLOW AND DAY-AHEAD PRICES AT NORDIC PEAK LOAD ON 31.01.2019
Hour 17-18 (CET) [MWh/h]

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

- National peak load Finland
- National peak load Sweden
- National peak load Denmark
- National peak load Norway
- Projected C Finland
- Projected C Sweden
- Projected C Denmark
- Projected C Norway

MW

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

- Nordic peak load Consumption
- Production during Nordic peak load
- Projected peak consumption
- Projected production available

MW

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Nordic peak load Consumption
Production during Nordic peak load
Projected peak consumption
Projected production available