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RULES FOR THE MAINTAINING OF READINESS FOR USE OF POWER PLANT UNITS COVERED BY THE PEAK LOAD RESERVE SYSTEM, FOR THE USE OF SUCH POWER PLANT UNITS, AND FOR MAKING THE ELECTRICITY PRODUCED AVAILABLE TO THE MARKET

Fingrid or its subsidiary Finextra (hereafter Fingrid) sets the following rules for the maintaining of readiness for use of power plant units covered by the peak load reserve, for the use of such power plant units, and for making the electricity produced available to the market.

These rules are applied to the power plant unit and to the holder of the power plant (hereafter Producer) and also to the relevant share of a shared power plant unit and to the holder of such share.

1 MAINTAINING OF READINESS FOR USE OF A POWER PLANT UNIT

1.1 General rules

The Producer shall maintain the technical functioning of the power plant unit at the level required by the following starting times:

in the winter period of 1 December to 28 February, the starting time is at the most twelve (12) hours

at other times, from 1 March to 30 November, the starting time is a maximum of one (1) month.

If the circumstances so require, Fingrid may agree sufficiently early, however, at least one week in advance, with the Producer that the finishing of the 12 hour starting readiness period is postponed. Correspondingly, the parties can also agree on advancing the beginning of the winter period.

The Producer shall agree on the timing of repairs influencing the 12 hour starting readiness of the power plant unit with Fingrid.

The Producer shall make sure that the power plant unit has valid agreements concerning electricity transmission.

1.2 Operating personnel

The Producer shall ensure that it has sufficient personnel in terms of quantity and expertise to carry out the obligations laid down in these rules.

1.3 Fuel supply

For the winter period, the power plant unit shall have sufficient fuel for a total of at least 200 hours of production at full power. The Producer shall agree with Fingrid on how the fuel supply will be replenished in conjunction with a potential longer production period.

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1.4 Emission allowances

The power plant unit shall have a valid emission permit.

The Producer shall make sure that the power plant unit has the necessary statutory emission allowances in accordance with the schedule relating to the reporting of annual emissions and to the invalidation of the allowances, corresponding to the actual production volume.

1.5 Environmental permits

During the agreement period, the power plant unit shall have all necessary valid environmental permits for each production period of 200 hours annually at full power.

1.6 Trial operation

The power plant unit shall carry out successful trial operation annually at a period of time agreed upon separately with Fingrid no more than one month before the 12 hour starting readiness commences. The trial operation is used for ensuring the technical functioning of the plant and the expertise of the operating personnel. The Producer shall be responsible for the execution and costs of the trial operation.

2 USE OF POWER PLANT UNIT FOR THE NEEDS OF THE POWER SYSTEM

2.1 General rules

Fingrid and the transmission system operator in Sweden (hereafter SvK) apply uniform principles to the availability of the peak load reserve in the electricity market and to the use of the peak load reserve so as to ensure the optimal use of the peak load reserve capacity in the Nordic power system and to minimise the market impacts of the peak load reserve arrangement.

Fingrid does not participate directly in the market sales of electricity which has been produced by the capacity covered by the agreement, but the Producer is responsible for the sales of electricity to the market. A power plant unit is started either through the Elspot market or at Fingrid's request.

The Producer accepts that Nord Pool Spot AS (hereafter NPS) has a right to monitor the electricity sales bids made by the Producer and to report them in retrospect to Fingrid and to the Energy Market Authority.

2.2 Variable production costs

In order to estimate the variable production costs, the Producer shall supply Fingrid with the price information (hourly price, €/MWh) of each power plant unit at least on a monthly basis. When calculating the variable production costs, the following factors are taken into account: fuel costs, value of the emission allowances required by production (€/MWh), and starting costs. On the basis of the Producers' suggestions, Fingrid accepts annually the statistics used as the basis of the fuel costs and the method of determining the value of emission allowances.

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2.3 Peak load reserve capacity in Elspot market

2.3.1 Submitting and processing of bids

The Producer shall offer the total capacity available for each hour at any given time to the Elspot market, considering the starting time. When making the bid, the Producer does not give a price to the capacity offered.

In the Elspot trading system, the peak load reserve capacity in Finland constitutes one peak load reserve bid based on the volume for the bidding area of Finland. Correspondingly, the peak load reserve capacity in Sweden constitutes a peak load reserve bid based on the volume for each bidding area in Sweden.

A peak load reserve bid is taken into account in Elspot calculation if no balance between demand and supply is reached with the available bids made at market terms in the bidding areas of Finland and/or Sweden.

Peak load reserve capacity in Finland and Sweden is activated on a ratio to the peak load reserve capacities offered between the countries and within the available transmission capacity. The appendices present examples of how the activation is carried out in a situation where the transmission capacity between Finland and Sweden does not restrict the activation of the peak load reserve, and in a situation where there is no available transmission capacity between Sweden and Finland while there is a need for peak load reserve in Finland.

2.3.2 Pricing of bid in NPS

When a bid is activated, NPS sets a price for the peak load reserve capacity on the basis of the highest commercial hourly bid in the Elspot market.

2.3.3 Activation of peak load reserve capacity

When a peak load reserve bid is activated, NPS informs the bidding Producers of the activated volume of peak load reserve. The activated peak load reserve is determined on a ratio to the bids given by the various Producers. On the basis of the information submitted by NPS, the Producer shall inform Fingrid of the power plant units to be started and of their operating plans with technical conditions.

Fingrid and SvK verify the feasibility of the operating plans reported by the Producers and make a decision of the power plants to be started and of their optimal operating sequence. This verification covers the transmission restrictions within the countries, potential changes in cross-border transmission capacities between the countries, minimum powers and starting times of peak load reserve capacity, and other technical and commercial conditions. The goal is to start those power plants reported by the Producers which, within the framework of the above conditions, produce the activated peak load reserve volume reported by NPS at the lowest production costs.

If the operating sequence must be changed, Fingrid and SvK as well as Fingrid and the Producer shall agree on the necessary changes. These changes shall be implemented

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using fixed transactions between the Producer and Fingrid within the starting times of the power plant units.

When a bid is activated in Finland, Fingrid and the Producer shall agree on the details pertaining to starting and stopping. When a power plant unit starts for just one hour, the Producer and Fingrid can agree on a fixed transaction for the preceding hour in order to ensure the electricity production of the power plant unit in the hour in question.

The Producer is responsible for the costs of the balance deviation resulting from the starting and stopping of the power plant.

2.3.4 Pricing of transactions when a bid is activated in NPS

A fixed transaction between Fingrid and the Producer is closed at the Elspot price if a power plant unit is not started in Finland.

If a power plant unit is started in Finland, the potential fixed transaction is carried out using the variable production costs which are calculated in accordance with item 2.2 of these rules. The appendix presents examples of pricing upon the activation of the peak load reserve when it is decided to start a power plant unit in Finland and when one is not started in Finland.

2.4 Starting and stopping of peak load reserve capacity at Fingrid's request

The Producer is obliged to start a power plant unit covered by the agreement whenever Fingrid requests this either for the needs of the peak load reserve system or other needs relating to the management of system responsibility. When Fingrid requests the starting of a power plant unit, the Producer shall start the plant unit to the agreed power and close a fixed transaction of this with Fingrid. The variable production costs in accordance with item 2.2 shall be taken into account in the costs of the first hour of operation. Moreover, the Producer shall submit a bid to the balancing power market in accordance with item 2.5.

When a power plant unit is no longer required for the needs of the power system, Fingrid shall inform the Producer of the stopping of the power plant unit at least one hour in advance.

2.5 Peak load reserve capacity in the balancing power market

2.5.1 General rules

The Producer shall arrange its operations so that the Producer is entitled to participate in the balancing power market in accordance with the valid rules.

When peak load reserve capacity is started either in the Elspot market or at Fingrid's request, the Producer is obliged to submit to the balancing power market an ear-marked up-regulating bid of the available production capacity concerning a specific power plant unit, taking into account the power increase capability of the specific power plant unit.

Of these bids, Fingrid activates a necessary volume after all balancing power bids made at market terms have been activated.

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2.5.2 Handling of balancing bids when peak load reserve is activated in the Elspot market

The Producer shall offer the peak load reserve capacity to the balancing power market at the power plant's variable production costs, which are calculated in accordance with item 2.2, without starting costs.

The price of the most expensive market-term balancing bid activated in the balancing power market is set as the price of an activated balancing bid; however, at least the Elspot price of the corresponding hour.

2.5.3 Handling of balancing bids when peak load reserve is started at Fingrid's request

When the power plant starts to generate electricity, the Producer shall offer the peak load reserve capacity to the balancing power market at the power plant's variable production costs, which are calculated in accordance with item 2.2, without starting costs.

The price of the most expensive market-term balancing bid activated in the balancing power market is set as the price of an activated balancing bid; however, at least the Elspot price of the corresponding hour.

3 USE OF POWER PLANT UNIT FOR THE PRODUCER'S OWN NEEDS

Electricity production for the Producer's own account is not covered by the obligation of the public service referred to in the act on the peak load reserve, so this can only take place during extraordinary situations such as in the event of serious damage at the Producer's other power plants in Finland. Such use of the power plant unit shall not jeopardise the fulfilment of the obligation of the public service. These extraordinary situations can only take place between 1 March and 30 November.

If the Producer wishes to use the power plant unit for its own needs, this requires a separate consent granted by Fingrid in these extraordinary cases. Upon receiving the relevant consent, the Producer is responsible for all costs relating to the re-commissioning, starting, operation and re-storage of the power plant unit.

If the Producer uses the power plant unit exceptionally between 1 March and 30 November for sales outside the bids referred to under item 2 of these rules, Fingrid does not pay the Producer a maintenance compensation for those days on which the power plant unit has been in the Producer's own use. This calculation shall take into account all operation periods in excess of one day, which reduce the monthly maintenance compensation by 1/30 for every commencing day.

4 HANDLING OF ELECTRICITY PRODUCED IN IMBALANCE SETTLEMENT

The production by the power plant unit and all actual sales related to the production are handled in accordance with valid imbalance settlement rules. The Producer is responsible for drawing up the imbalance settlement.

Moreover, the electricity produced by the power plant unit, actual sales in accordance with item 2 of these rules, and the use of electricity produced for the Producer's own

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needs shall be handled in a separate settlement. The Producer shall submit a separate monthly settlement report to Fingrid of all those periods during which the power plant unit has been in production or during which peak load reserve capacity has been activated in the Elspot market.

The separate settlement is used for continuously calculating a deviation arising from an imbalance between production and sales. The Producer is responsible for the purchase and sales of imbalance power required to cover this imbalance.

5 UNAVAILABILITY OF POWER PLANT UNIT

5.1 Reports

The Producer shall inform Fingrid without delay of changes in the starting readiness of the power plant unit and of other issues which may limit the use of the power plant unit or prevent it altogether, such as a failure of the power plant unit. Moreover, the Producer shall submit a UMM notification to NPS of power plants in excess of 100 MW, if the power plant unit is not in a starting readiness required by the peak load reserve system.

5.2 Fees

The maintenance compensation specified under item 6 is not paid for the period of time when the power plant unit is not available to the peak load reserve system as specified under item 1 of these rules. When calculating the unavailability time, all unavailability periods in excess of one day shall be taken into account. Such periods reduce the monthly maintenance compensation by 1/30 for every commencing day.

6 MAINTENANCE COMPENSATION FOR READINESS FOR USE

The compensation to be paid for the maintenance of the peak load reserve is determined on the basis of a bid submitted by the Producer offering production capacity to the system and a procurement decision for peak load reserve, made by the Energy Market Authority.

The maintenance compensation for readiness for use is paid to the Producer in retrospect in periods of three months commencing at the beginning of a calendar year. The Producer shall send an invoice concerning the maintenance of readiness for use in the previous three months on the 6th day of the month following an invoicing period or on the following first weekday. Fingrid shall pay the maintenance compensation within two months after the end of the invoicing period.

The sales proceed received by the Producer is deducted from the maintenance compensation if the Elspot market price and/or balancing power market price is higher than the variable production cost of a power plant unit participating in the peak load reserve arrangement. The deducted sales proceed is calculated as the difference between the Elspot price / balancing power market price and the variable production cost of a power plant unit participating in the peak load reserve arrangement as far as the volume of peak load reserve started in the Elspot market / balancing power market is concerned. When the above difference is calculated, the Elspot price is used when a bid is activated in the Elspot market, and the balancing power market price is used when a bid is activated in the balancing power market.

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A usage compensation payable to the Producer is added to the maintenance compensation if the Elspot market price and/or balancing power market price is smaller than the variable production cost of a power plant unit participating in the peak load reserve arrangement. The usage compensation is calculated as the difference between the Elspot price / balancing power market price and the variable production cost of a power plant unit participating in the peak load reserve arrangement as far as the volume of peak load reserve started in the Elspot market / balancing power market is concerned. When the above difference is calculated, the Elspot price is used when a bid is activated in the Elspot market, and the balancing power market price is used when a bid is activated in the balancing power market.

7 INFORMATION EXCHANGE AND REPORTING

The production of a power plant unit covered by the agreement shall be measured in real time by Fingrid's Power System Control Centre.

The Producer shall report the following regularly to Fingrid:

- Action for maintaining readiness for use during both maintenance periods within 2 weeks from the finishing of the relevant period.
- Separate settlement information monthly, including actual electricity sales, sales proceeds from the sales, usage compensations to be paid, and corresponding production with variable production costs and starting costs.
- The Producer shall inform Fingrid immediately of all events which have prevented the 12 hour starting readiness of a power plant unit, of failed starts, and of all disturbances during the operating period of the unit. The Producer shall send related reports to Fingrid no later than within 2 working days after the event.
- Trial operation
- Fuel reports always after finished production periods.

8 AMENDMENTS AND CHANGES TO THE RULES

If these rules and conditions need to be changed due to legislative amendments or other action by authorities, they shall be subjected to the approval of the Energy Market Authority before they come into effect.

9 DISSOLUTION OF AGREEMENT, AND REFUNDING AND RECOVERY OF MAINTENANCE COMPENSATIONS

The dissolution of the peak load reserve agreement and the refunding and recovery of the maintenance compensations take place as stipulated under Sections 16 and 17 of the peak load reserve act.

If The Producer violates intentionally the obligation of the public service, the Energy Market Authority may order the peak load reserve agreement to be cancelled and may require the Producer to refund the compensations that Fingrid has paid the Producer by

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virtue of the agreement, if the peak load reserve agreement has been cancelled as stipulated under Section 16, Subsection 1 of the peak load reserve act or if the Producer has otherwise violated the peak load reserve agreement.

10 FORCE MAJEURE

In the case of force majeure, Fingrid and the Producer have the right to restrict the maintaining and operation of power plant capacity specified in these rules or to interrupt it completely.

Cases of force majeure are deemed to cover any events which the Producer or Fingrid could not have prevented through reasonable caution and which make the fulfilment of these rules impossible or impair it essentially or make it financially or otherwise unreasonable.

Cases of force majeure include war, country's internal unrest, vandalism, sabotage, explosion, fire, flooding, storm or other exceptional weather conditions, general interruption in traffic, strike or stoppage of a key employee group, lock-out ordered by an employer organisation, measures by authorities, or some other similar reason with as significant and unusual consequences. Force majeure is also considered to cover such damage in the power production or power transmission system caused by the above causes for which no reasonable preparations could have been made, taking into account the principles for electricity supply security generally applied to the Nordic power systems.

Fingrid and the Producer shall inform each other of the occurrence of force majeure as well as of its end without delay.

The maintenance compensation is not paid for the period of force majeure.

Appendix Activation and pricing of peak load reserve capacity in the areas of Finland and Sweden within the Elspot market

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Appendix to the rules of use of peak load reserve**ACTIVATION AND PRICING OF PEAK LOAD RESERVE CAPACITY IN THE AREAS OF FINLAND AND SWEDEN WITHIN THE ELSPOT MARKET****Activation**

The Producer in Finland and Svenska Kraftnät in Sweden shall offer the total capacity of the peak load reserve available for each hour at any given time to the Elspot market, considering the starting time.

In the Elspot trading system, the peak load reserve capacity in Finland constitutes one peak load reserve bid based on the volume for the bidding area of Finland. Correspondingly, the peak load reserve capacity in Sweden constitutes a peak load reserve bid based on the volume for each bidding area in Sweden. No price is set for the peak load reserve bids.

A peak load reserve bid is taken into account in Elspot calculation if no balance between demand and supply is reached with the bids made at market terms in the bidding areas of Finland and/or Sweden.

Peak load reserve capacity in both Finland and Sweden is activated on a ratio to the peak load reserve capacities offered between the countries and within the available transmission capacity as prescribed in the below examples.

Example 1, transmission capacity between Finland and Sweden does not restrict the activation of peak load reserve

Presumptions:

- Peak load reserve capacity in Finland 600 MW
- Peak load reserve capacity in Sweden 2000 MW
- No balance is reached between demand and supply in the Elspot market in the price areas of Finland and Sweden. The peak load reserve capacity to be activated so as to reach a balance is 200 MW.

Activated peak load reserves (total 200 MW):

a) Transmission restrictions within Sweden do not limit the activation of peak load reserve

- In the bidding area of Finland 46.2 MW ($200 \text{ MW} \times 600/2600$)
- In the bidding areas of Sweden 153.8 MW ($200 \text{ MW} \times 2000/2600$).

b) Transmission restrictions within Sweden limit the available peak load reserve in Sweden to 1000 MW

- In the bidding area of Finland 75 MW ($200 \text{ MW} \times 600/1600$)
- In the bidding areas of Sweden 125 MW ($200 \text{ MW} \times 1000/1600$).

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Example 2, there is no available transmission capacity from Sweden to Finland, there is need for peak load reserve in Finland

Presumptions:

- Peak load reserve capacity in Finland 600 MW
- Peak load reserve capacity in Sweden 2000 MW
- Capacity missing in the Elspot market in price area Finland: 200 MW.

Activated peak load reserves (total 200 MW):

- In the bidding area of Finland 200 MW
- In the bidding areas of Sweden 0 MW.

Pricing**Example 1, peak load reserve is activated in Elspot, the activated power is below the minimum power of the power plant, and it is decided to start the plant**

- Fingrid decides to start the power plant unit, and the unit is started to the minimum power.
- The Producer receives the compensation created in the Elspot market for the activated volume of power.
- Fingrid and the Producer conduct a fixed transaction for a volume corresponding to the difference between the volume of power activated within the peak load reserve arrangement and the minimum power of the plant. This transaction is closed at the variable production costs of the power plant unit, including the starting costs in the first hour up to the minimum power.
- If the price in the Elspot market is lower than the variable production cost of a power plant unit participating in the peak load reserve arrangement, Fingrid compensates, within the peak load reserve arrangement, to the Producer the difference between the Elspot price and the variable production cost of the power plant unit as far as the volume activated in the Elspot market is concerned.
- If the price in the Elspot market is higher than the variable production cost of a power plant unit participating in the peak load reserve arrangement, the Producer compensates, within the peak load reserve arrangement, to Fingrid the difference between the Elspot price and the variable production cost of the power plant unit as far as the volume activated in the Elspot market is concerned.

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Example 2, peak load reserve is activated in Elspot, the activated power is above the minimum power of the power plant, and it is decided to start the plant

- Fingrid decides to start the power plant unit, and the unit is started to the activated power.
- The Producer receives the compensation created in the Elspot market for the activated volume of power.
- If the price in the Elspot market is lower than the variable production cost of a power plant unit participating in the peak load reserve arrangement, Fingrid compensates, within the peak load reserve arrangement, to the Producer the difference between the Elspot price and the variable production cost of the power plant unit as far as the volume activated in the Elspot market is concerned, including the starting costs in the first hour up to the minimum power.
- If the price in the Elspot market is higher than the variable production cost of a power plant unit participating in the peak load reserve arrangement, the Producer compensates, within the peak load reserve arrangement, to Fingrid the difference between the Elspot price and the variable production cost of the power plant unit as far as the volume activated in the Elspot market is concerned, including the starting costs in the first hour up to the minimum power.
- If it is agreed that the power of the power plant is higher than the activated power, Fingrid and the Producer conduct a fixed transaction for a volume corresponding to the difference between the volume of power activated within the peak load reserve arrangement and the agreed power of the plant. This transaction is closed at the variable production costs of the power plant unit, excluding the starting costs.

Example 3, peak load reserve is activated in Elspot, but the power plant is not started

- Fingrid decides that the power plant unit is not started.
- The Producer sells the activated volume of power to the Elspot market at the Elspot price determined by the market.
- The Producer buys a corresponding volume of power from Fingrid through a fixed transaction and at the same price.
- No power production, costs or proceeds for the Producer.