



THE PUBLICATION OF FUNDAMENTAL DATA IN ELECTRICITY MARKET

Market Division EMS JSC Belgrade November 2018





- ► Changes of the Rules on the publication of Electricity Market Fundamental data :
 - Year-ahead Forecast Margin;
 - Total Capacity Nominated;
 - Total Scheduled Commercial Exchanges;
 - Congestion Management –Redespatching;
 - Day-ahead Generation Forecast for Wind and Solar;
 - Planned and Actual Unavailability of Generation/Production Unit.



The Publication Of Fundamental Data In Electricity Market

- Changes of the Publication Of Fundamental Data In Electricity Market are in progress
- Text proposal is submitted to the Energy Agency of the Republic of Serbia

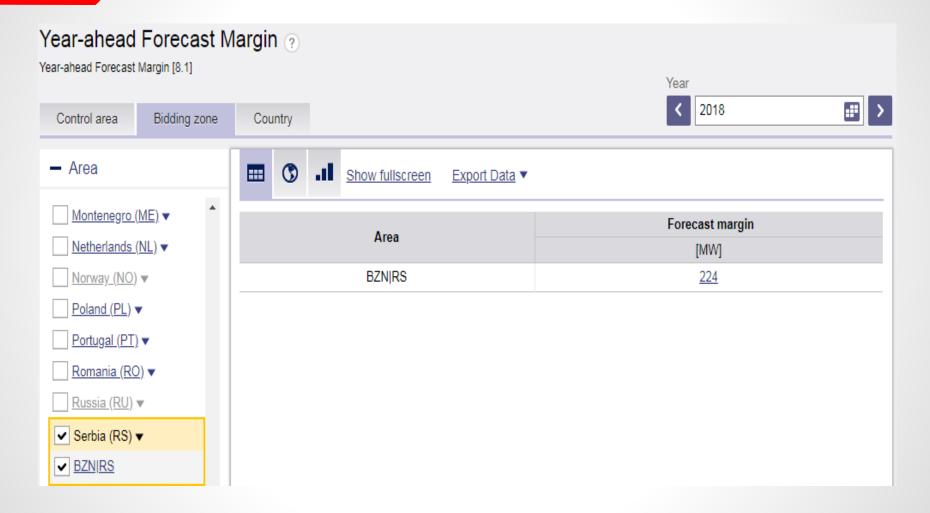


Year-ahead Forecast Margin

- The change relates to the description of the data:
 - A year-ahead forecast margin ("remaining capacity") is calculated as the difference between yearly forecast of Reliable Available Capacity and yearly forecast of Total Load.
 - The Reliable Available Capacity (RAC) is the difference between the net generating capacity (NGC) and the Unavailable Capacity (UC).
 - The UC consists of Non-Usable Capacity, Maintenance and Overhauls, Outages and System Services Reserve.



Year-ahead Forecast Margin



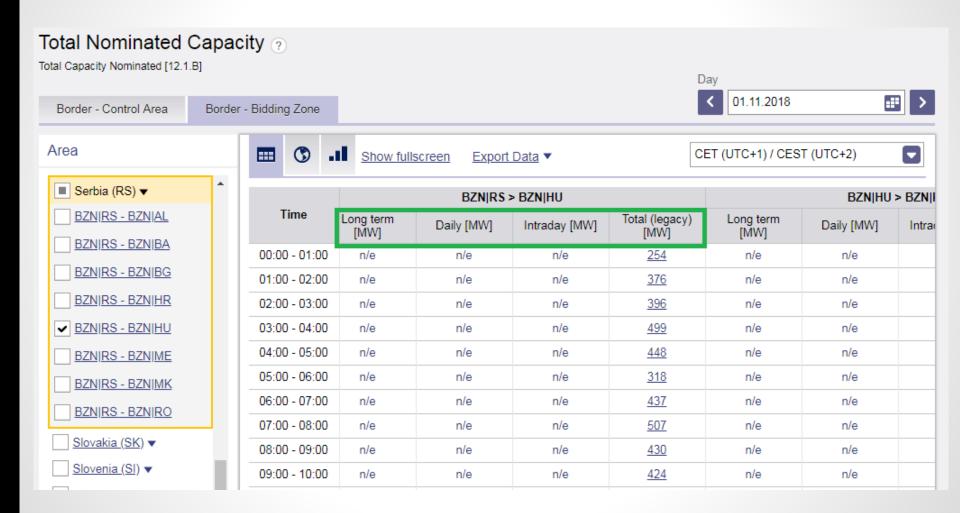


Total Capacity Nominated

- Transmission system operator shall publish for each border and direction:
 - The value for the **long-term** time horizons
 - consists of nominations from the following allocations: yearly, quarterly, monthly and weekly.
 - The value for the day ahead time horizon
 - consists of nominations from the following allocations: yearly, quarterly, monthly, weekly and daily.
 - The value for the Intraday time horizon
 - consists of nominations from the following allocations: yearly, quarterly, monthly, weekly, daily and intraday.



Total Capacity Nominated



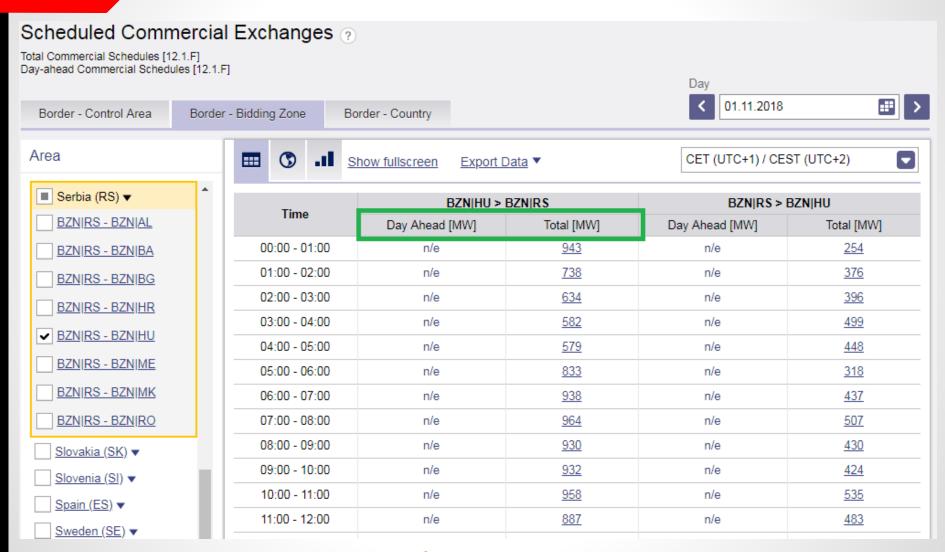


Total Scheduled Commercial Exchanges

- Transmission system operator shall publish for each border and direction:
 - The value for the day ahead time horizon
 - consists of commercial exchanges in aggregated form from the following allocations: yearly, monthly, quarterly, weekly and daily.
 - The value for the intraday time horizon
 - consists of commercial exchanges in aggregated form from the following allocations: yearly, monthly, and quarterly, weekly, daily and intraday.



Total Scheduled Commercial Exchanges





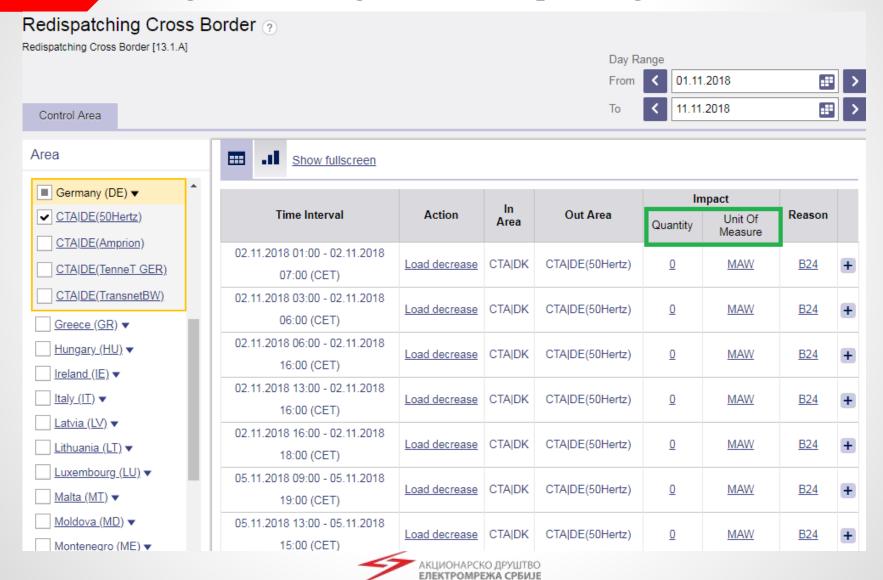
Congestion Management - Redespatching

- The following information shall be published:
 - Action taken (increase or decrease in generation, increase or decrease in consumption);
 - EIC of element which is the reason for applying redispatching measures;
 - Location marking of border;
 - Name of asset;
 - Type of asset;
 - The reason for the action (2 possibilities): "Load flow overload" (current problem), "Voltage level adjustment";
 - Redispatched energy (MWh) resulting from changes of affected generation/load capacity.
 - The control area where energy is going
 - The control area where energy is taken from
 - The start and end date (day, hour) of the action;
 - Comment or additional information, if any.



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Congestion Management - Redespatching



Day-ahead Generation Forecast for Wind and Solar

- Electricity producer shall submit forecast data for generation connected to the transmission system:
 - Current forecast: The information is the last update of the current forecast. The information shall be regularly updated and published during intra-day trading;
 - Day ahead forecast until 17.30: This value is the most recent forecast at 17:30 the day before. The information shall be published no later than 18.00 Brussels time, one day before actual delivery takes place;
 - Intraday forecast until 7.50: This value is the most recent forecast at 7:50 the day of delivery. At least one update to be published at 8.00 Brussels time on the day of actual delivery for intra-day.

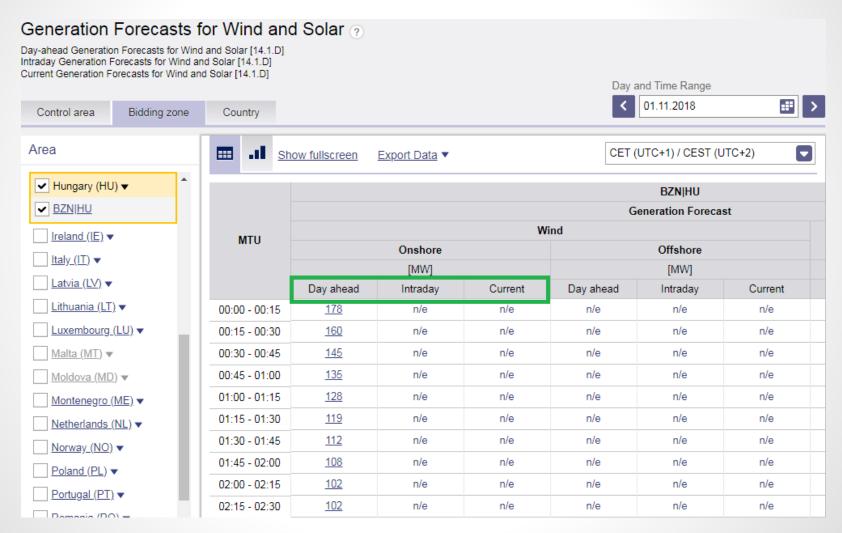


Day-ahead Generation Forecast for Wind and Solar

- Distribution system operator or closed distribution system operator shall submit forecast data for generation connected to the distribution system or closed distribution system:
 - Current forecast: The information is the last update of the current forecast. The information shall be regularly updated and published during intra-day trading;
 - Day ahead forecast until 17.30: This value is the most recent forecast at 17:30 the day before. The information shall be published no later than 18.00 Brussels time, one day before actual delivery takes place;
 - Intraday forecast until 7.50: This value is the most recent forecast at 7:50 the day of delivery. At least one update to be published at 8.00 Brussels time on the day of actual delivery for intra-day.



Day-ahead Generation Forecast for Wind and Solar





Planned and Actual Unavailability of Generation/Production Unit

- If the actual unavailability have been planned and already reported with the correct available capacity, it's not necessary to deliver again the data.
- The "available capacity during the event" means the available generation capacity during the period specified.



Sweden (SE) ▼

Planned and Actual Unavailability of Generation/Production Unit

Unavailability of Production and Generation Units ? Planned Unavailability of Generation Units [15.1.A] Changes in Actual Availability of Generation Units [15.1.B] Planned Unavailability of Production Units [15.1.C] Changes in Actual Availability of Production Units [15.1.D] Day Range From 01.11.2018 To 02.11.2018 Control area Bidding zone Area Show fullscreen Export Data < Unit Name Unit Code Filter Montenegro (ME) ▼ Capacity Unavailability period Netherlands (NL) ▼ Status Nature Type Area Unit Name Installed Available Start - End [MW] [MW] Norway_(NO) ▼ 01.01.2018 00:00 - 31.12.2018 23:59 TETO Novi Sad Poland (PL) ▼ **CTAIRS** 135 0 G1 (CET) Portugal (PT) ▼ 01.01.2018 00:00 - 31.12.2018 23:59 TETO Zrenjanin Romania (RO) v **CTAIRS** 0 0 (CET) G1 Russia (RU) ▼ 15.07.2018 00:00 - 01.11.2018 22:01 CTAIRS TE Kolubara G5 110 0 ✓ Serbia (RS) ▼ (CET) ✓ CTAIRS 05.09.2018 19:26 - 31.12.2018 01:00 4 CTAIRS HE Derdap 1 G2 0 176 Slovakia (SK) ▼ (CET) 12.09.2018 00:26 - 05.11.2018 15:31 Slovenia (SI) ▼ 4 CTAIRS TENT A G2 210 0 (CET) Spain (ES) ▼



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THANK YOU FOR YOUR TIME AND ATTENTION







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