

## Disclosure obligations on a central data platform for providing transparency in electricity trading<sup>1</sup>

Specified on 22 April 2009 by the associations BDEW, VIK, VKU and the Federal Network Agency

### Information about generation and consumption

Information <sup>2</sup>	Time of publication	Time frame / Termination	Update	Data supplier
<p>1.) Ex-ante information on installed generation capacity of generation units with an installed capacity larger 100 MW per unit</p> <p>List of generation units specifying:</p> <ul style="list-style-type: none"> <li>• Station name: name of the power plant (including planned power plants),</li> <li>• Unit name: Name of the power generation unit (including planned units),</li> <li>• Installed capacity (net maximum capacity/ net bottleneck output<sup>3</sup>),</li> <li>• Location (post address),</li> <li>• Control area (interconnection control area)</li> <li>• Bidding area</li> <li>• State</li> <li>• Production type according to the list in <b>annex 1</b></li> <li>• Forecast of available power<sup>4</sup> for each year,</li> <li>• Remarks</li> </ul>	<p>One week before yearly capacity auction, at the latest by 15 November of the relevant calendar year</p>	<p>Installed capacity current year and 3 following years / annually</p> <p>Available power: 3 following years/ annually</p>	<p>Not necessary</p>	<p>Power plant operator</p>

<sup>1</sup> The so-called BMWi list was agreed between BDEW, VIK, VKU and the German transmission system operators (TSO) under this title in summer 2008 as part of the transparency initiative of the Federal Ministry of Economics and Technology (BMWi). It specifies the disclosure obligations that were stipulated on the basis of the Congestion Management Guidelines as part of the Transparency Report. Compared to the Transparency Report, the BMWi list includes minor changes suggested transitionally by the market participants in the interest of a rapid implementation that the Federal Network Agency considers to be innocuous.

<sup>2</sup> According to the Federal Network Agency, the publication on a central data platform at EEX has the advantage that differentiation is possible between data provided and data published. A detailed provision of data is sometimes required to ensure compliance with the reporting obligation, however, not as information for the market. This explains the differentiation between data provided and data published.

<sup>3</sup> Turbine operation is relevant for pumped storage plants A prognosis of available energy for each year is not required for pumped storage plants.

<sup>4</sup> Available energy = maximum quantity of electricity that can be produced and that is available for power supply into the public network allowing for scheduled standstills: Net bottleneck capacity \* (annual hours minus total of scheduled standstills in the relevant year in hours)

Information <sup>2</sup>	Time of publication	Time frame / Termination	Update	Data supplier
<b>2.) Ex-ante information on the total sum of generation capacity installed</b> of all generation units (existing units) with more than 1 MW and less than 100 MW of installed net bottleneck capacity in the respective bidding area/control area, broken down according to the production type according to annex 1	One week before yearly capacity auction, at the latest by 15 November of the relevant calendar year.	Following year/annually	Not necessary	Power plant operator
<b>3.) Ex-ante information on planned outages (known non-availability) of power generation units with more than 100 MW of installed capacity per generation unit<sup>5</sup></b> with the following details: (Note: Anonymous publication, access for the Agency to identification data <sup>6</sup> )	Unavailabilities starting in the current year or in the following year are reported one week before yearly capacity auction, at the latest on 15 November of the relevant calendar year.	Current year and following year / date and hour of start and end	Update required 1) in the case of changes to the reported non-availabilities (immediately) at least on a daily basis, 2) additional specification of the day before the scheduled commencement of the reported non-availability (to be reported at the latest by 10.00 h, publication at 11.00 h): hourly reporting on time of commencement and expected end of non-availability	Power plant operator

<sup>5</sup> Any known unavailability of a power generation plant is only required to be reported if the known unavailability of this generation unit exceeds 100 MW (i.e. difference between the available net maximum capacity (net bottleneck output) and the available capacity > 100 MW) and last for over 1 hour.

<sup>6</sup> The Federal Network Agency is authorized to control whether the obligation of the transmission system operators (TSO) to publish these generator/consumer data has been correctly fulfilled. It must be checked, for example, whether a supplier has provided data and/or if the data provided are complete. The Agency is to be informed at regular intervals about this. In the case of complaint, it can be reviewed whether the publication period of H+2 (H+4) was complied with. Full access to the non-anonymised data must be granted to the Federal Network Agency in this case.

Information <sup>2</sup>		Time of publication	Time frame / Termination	Update	Data supplier
<p><b>To be reported</b></p> <ul style="list-style-type: none"> <li>• Station name: name of the power plant,</li> <li>• Unit name: name of the power generation unit</li> <li>• Installed capacity (net bottleneck capacity),</li> <li>• Location (post address),</li> <li>• Production type according to the list in <b>annex 1</b></li> <li>• Estimated start and stop dates (day, hour) of the outage,</li> <li>• Unavailable capacity (unavailable grid supply capacity),</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Remarks</li> </ul>	<p><b>To be published</b></p> <ul style="list-style-type: none"> <li>• Production type of generation according to the list in <b>annex 1</b></li> <li>• Estimated start and stop dates (day, hour) of the outage,</li> <li>• Unavailable capacity (unavailable grid supply capacity),</li> <li>• State</li> </ul>				Power plant operator

Information	Time of publication	Time frame / Termination	Update	Data supplier				
<p><b>4.) Ex-ante information on the scheduled unavailability of consumption units with more than 100 MW of maximum consumption capacity per consumer unit<sup>7</sup> with the following details:</b> (Note: Anonymous publication, access for the Agency to identification data)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left;">To be reported</th> <th style="width: 50%; text-align: left;">To be published</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>• Name of the consumption unit,</li> <li>• Location (post address),</li> <li>• Start and estimated stop dates (day, hour) of the unavailability</li> <li>• Maximum consumption capacity (maximum consumer load capacity),</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Notes</li> </ul> </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>• Start and estimated stop date (day, hour) the unavailability,</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• State</li> </ul> </td> </tr> </tbody> </table>	To be reported	To be published	<ul style="list-style-type: none"> <li>• Name of the consumption unit,</li> <li>• Location (post address),</li> <li>• Start and estimated stop dates (day, hour) of the unavailability</li> <li>• Maximum consumption capacity (maximum consumer load capacity),</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Notes</li> </ul>	<ul style="list-style-type: none"> <li>• Start and estimated stop date (day, hour) the unavailability,</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• State</li> </ul>	<p>One week before yearly capacity auction, at the latest by 15 November of the relevant calendar year</p>	<p>Following year / date and hour of start and end</p>	<p>Updated in case of changes as soon as possible</p>	<p>Consumer</p>
To be reported	To be published							
<ul style="list-style-type: none"> <li>• Name of the consumption unit,</li> <li>• Location (post address),</li> <li>• Start and estimated stop dates (day, hour) of the unavailability</li> <li>• Maximum consumption capacity (maximum consumer load capacity),</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Notes</li> </ul>	<ul style="list-style-type: none"> <li>• Start and estimated stop date (day, hour) the unavailability,</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• State</li> </ul>							

<sup>7</sup>Any scheduled unavailability of a consumption unit is only required to be reported if the scheduled unavailability of this consumption unit exceeds 100 MW (i.e. difference between maximum consumption capacity and the available consumption capacity > 100 MW) and lasts for over 1 hour. According to the Federal Network Agency, the publication should include big consumers such as aluminium manufacturers or paper factories for which a singular event may result in a change of consumption of 100 MW.

<p><b>5.) Aggregated ex-ante information on the scheduled generation</b> in the relevant control area (relevant are primarily all generation units with more than 100 MW of installed bottleneck capacity) (the current design status must be reported at the latest by 17.00 h on D-1)<sup>8</sup></p> <p><b>To be reported:</b></p> <ul style="list-style-type: none"> <li>• Scheduled generation</li> <li>• Control area</li> </ul> <p><b>To be published:</b></p> <ul style="list-style-type: none"> <li>• Scheduled generation</li> <li>• State</li> </ul>	D-1 by 18.00 h	1 day / hourly	Not necessary	Power plant operator
<p><b>6.) Aggregated ex-ante information on the forecasted generation by wind and solar energy</b> in the respective control area</p> <p>Generation forecasts from the morning of the previous day that are used by the TSOs for electricity generation from wind and solar energy the following day</p> <p>Note: To be published only if the threshold values stipulated in the transparency report are reached.<sup>9</sup></p>	D-1 by 18.00 h	1 day / every 15 minutes	Not necessary	TSO
<p><b>7.) Aggregated ex-post information on the actual generation from wind and solar energy</b><sup>10</sup> in the respective control area</p> <p>Note: To be published only if the threshold values stipulated in the transparency report are reached.<sup>11</sup></p>	Within 2 hours	1 hour / every 15 minutes	Updated in case of changes	TSO

<sup>8</sup> These data shall be reported for pump storage plants if schedules are submitted.

<sup>9</sup> Therefore, only wind data shall be published.

<sup>10</sup> It is possible to report projected measured values if these are identified with reference to the quality of the information.

<sup>11</sup> Therefore, only wind data shall be published.

Information	Time of publication	Time frame / Termination	Update	Data supplier				
<p><b>8.) Ex-post information on the unplanned unavailability of power generation units</b> actually in operation <b>with more than 100 MW of installed capacity per generation unit</b><sup>12</sup> with the following details:</p> <p>(Note: Anonymous publication, access for the Agency to identification data)</p> <table border="1" data-bbox="174 359 1167 1018"> <thead> <tr> <th data-bbox="174 359 672 399">To be reported</th> <th data-bbox="672 359 1167 399">To be published</th> </tr> </thead> <tbody> <tr> <td data-bbox="174 399 672 1018"> <ul style="list-style-type: none"> <li>• Station name: name of the power plant,</li> <li>• Unit name: name of the power generation unit</li> <li>• Installed capacity (net maximum capacity/ net bottleneck output),</li> <li>• Location (post address),</li> <li>• Production type according to the list in <b>annex 1</b></li> <li>• Start and (estimated) stop dates (day, hour) the unavailability,</li> <li>• Unavailable capacity (unavailable entry capacity),</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Remarks</li> </ul> </td> <td data-bbox="672 399 1167 1018"> <ul style="list-style-type: none"> <li>• Production type according to the list in <b>annex 1</b></li> <li>• Start and (estimated) stop dates (day, hour) of commencement and end of the non-availability,</li> <li>• Unavailable capacity (unavailable entry capacity)</li> <li>• State</li> </ul> </td> </tr> </tbody> </table>	To be reported	To be published	<ul style="list-style-type: none"> <li>• Station name: name of the power plant,</li> <li>• Unit name: name of the power generation unit</li> <li>• Installed capacity (net maximum capacity/ net bottleneck output),</li> <li>• Location (post address),</li> <li>• Production type according to the list in <b>annex 1</b></li> <li>• Start and (estimated) stop dates (day, hour) the unavailability,</li> <li>• Unavailable capacity (unavailable entry capacity),</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Remarks</li> </ul>	<ul style="list-style-type: none"> <li>• Production type according to the list in <b>annex 1</b></li> <li>• Start and (estimated) stop dates (day, hour) of commencement and end of the non-availability,</li> <li>• Unavailable capacity (unavailable entry capacity)</li> <li>• State</li> </ul>	<p>Within 2 hours (during 1-year transitional period from start of the publication platform: within 4 hours)</p>	<p>- / date and hour of start and end</p>	<p>Immediately, in case of changes</p>	<p>Power plant operator</p>
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<sup>12</sup>Unplanned unavailability of a power generation plant is only required to be reported if the unplanned unavailability of this generation unit is more than 100 MW and lasts for more than 1 hour.

Information	Time of publication	Time frame / Termination	Update	Data supplier				
<p><b>9.) Ex-post information on the unplanned unavailability of consumption units</b> actually in operation <b>with more than 100 MW of maximum consumption capacity per consumption unit<sup>13</sup></b> with the following details: (Note: Anonymous publication, access for the Agency to identification data)</p> <table border="1" data-bbox="174 336 1167 858"> <thead> <tr> <th data-bbox="174 336 674 379">To be reported</th> <th data-bbox="674 336 1167 379">To be published</th> </tr> </thead> <tbody> <tr> <td data-bbox="174 379 674 858"> <ul style="list-style-type: none"> <li>• Name of the consumption unit,</li> <li>• Location (post address),</li> <li>• Start and estimated stop dates (day, hour) of the unavailability,</li> <li>• Maximum consumption capacity (maximum consumer load capacity),</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Notes</li> </ul> </td> <td data-bbox="674 379 1167 858"> <ul style="list-style-type: none"> <li>• Start and estimated stop dates (day, hour) of the unavailability,</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• State</li> </ul> </td> </tr> </tbody> </table>	To be reported	To be published	<ul style="list-style-type: none"> <li>• Name of the consumption unit,</li> <li>• Location (post address),</li> <li>• Start and estimated stop dates (day, hour) of the unavailability,</li> <li>• Maximum consumption capacity (maximum consumer load capacity),</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• Control area</li> <li>• Bidding area</li> <li>• State</li> <li>• Notes</li> </ul>	<ul style="list-style-type: none"> <li>• Start and estimated stop dates (day, hour) of the unavailability,</li> <li>• Unavailable power (unavailable consumer load capacity)</li> <li>• State</li> </ul>	<p>Within 2 hours (during 1-year transitional period from start of the publication platform: within 4 hours)</p>	<p>- / date and hour of start and end</p>	<p>Immediately, in the case of changes</p>	<p>Consumer</p>
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<p><b>10.) Aggregated ex-post information on the actual generation<sup>14</sup></b> in the respective control area (relevant are primarily all generation units with more than 100 MW of installed net maximum capacity/ net bottleneck output)</p>	<p>Within 2 hours</p>	<p>1 hour / hourly</p>	<p>Data update the following day</p>	<p>Power plant operator</p>				

<sup>13</sup> An unplanned unavailability of a consumption unit is only required to be reported if the unplanned unavailability of this consumption unit is more than 100 MW and lasts for more than 1 hour. It is the objective of the Federal Network Agency to include big consumers for which a singular event may result in a change of consumption of 100 MW.

<sup>14</sup> It is possible to report measured values if these are identified with reference to the quality of the information.

## Voluntary additional reporting

<b>11.) Aggregated ex-ante information on the generation capacity (net maximum capacity/ net bottleneck output)<sup>15</sup> available for power supply into the public grid</b> (note: Aggregated publication per primary energy carrier, state and bidding area)		On a daily basis on 9.00 h for 365 consecutive days.	On a daily basis in the case of changes	Not necessary	Power plant operator
<b>To be reported</b> <ul style="list-style-type: none"> <li>• Name of the power plant</li> <li>• Name of the power generation unit</li> <li>• Average daily value of the available capacity (net bottleneck capacity)</li> <li>• Location (post address)</li> <li>• Primary energy carrier, according to annex 1</li> <li>• Bidding area</li> <li>• State</li> </ul>	<b>To be published</b> <ul style="list-style-type: none"> <li>• Average daily value of the available capacity (net bottleneck capacity)</li> <li>• Primary energy carrier, according to annex 1</li> <li>• Bidding area</li> <li>• State</li> </ul>	Publication: 10.00 h			

<sup>15</sup> Standard reports about the cause of the non-availability shall not be submitted. Technical restrictions that are not related to the plants are included.

## Annex 1: Picklist generation type

Only part of the pumped storage plants (see list) are reported and single-phase traction power plants are not reported at all.

Differentiation according to application control is only relevant for reporting master data; otherwise they shall be published according to primary energy carriers according to column 2.

Code	Primary energy carrier <sup>1)</sup>	Application control	
		mainly for free marketing	mainly not for free marketing <sup>2)</sup>
	<b>Thermal power plants</b>		
	Uranium	x	
	Lignite	x	
	Lignite		x
	Hard coal	x	
	Hard coal		x
	Gas	x	
	Gas		x
	Oil	x	
	Oil		x
	Waste		x
	<b>Hydraulic power plants</b>		
	Run-of-river plant		x
	Seasonal storage	x	
	<b>Renewable energy plants (thermal, hydraulic, wind, ...)</b>		
	Wind		x
	Solar		x
	Other renewable energy plants		x
	<b>Other plants</b>		
	<b>Other</b>	x	
	<b>Other</b>		x

1) Principal fuel

2) e.g. must run, customer-controlled and other plants not controlled by market price (combined heat and power plants, industrial power plants etc.)