

Determination of probability of interruption according to Decision BK9-18/608 ("BEATE 2.0")

The probability of interruption *Pro* according to decision BK9-18/608 ("BEATE 2.0") is derived from the data of the last three gas years of the respective entry and exit point according to the following formula:

$$Pro = \frac{\sum_{t=1}^J [(K)_u]_t}{\sum_{t=1}^J [(K)_v]_t} + 10\%$$

$(K)_u$ describes the maximum interrupted interruptible capacity on day t and $(K)_v$ describes the interruptible capacity marketed on day t . The probability of interruption is rounded up to full percentage and contains a safety margin of 10%, which represents the forecast uncertainty. The applicable discount corresponds to the probability of interruption and is independent of the product duration.

The data to calculate the discount (sales and interruption of interruptible capacity) can be obtained at the ENTSO-G transparency platform. In the last three gas years, interruptions occurred at the following storage points, leading to a discount of more than 10%.

Storage point	Direction	$\sum_{t=1}^J [(K)_u]_t$	$\sum_{t=1}^J [(K)_v]_t$	Discount
Etzel (Speicher ESE), Bitzenlander Weg 3	Entry	772.997	623.782.303	11%
Friedeburg-Etzel, Bitzenlander Weg 2	Entry	45.238	75.213.765	11%
Friedeburg-Etzel, Schienenstrang, EGL	Entry	3.479.115	290.700.811	12%
Haiming 2 7F	Entry	25.558.501	1.134.820.665	13%
Speicher Bierwang	Entry	585.698	114.771.560	11%
Speicher Breitbrunn	Entry	2.542.133	214.099.376	12%
Speicher Epe H	Entry	3.546.893	685.405.343	11%
Speicher Gronau-Epe H1	Entry	47.401	299.327.623	11%
Zone MND GSG	Entry	3.320.500	154.818.213	13%
Haiming 2 7F	Exit	29.267.863	1.798.330.117	12%
Speicher Bierwang	Exit	1.407.971	66.138.690	13%
Speicher Breitbrunn	Exit	5.656.531	55.704.400	21%