

# Transmission information Kraak for the storage year 2018/2019<sup>1</sup>

## Transmission costs

Network feed-in (**withdrawal from storage**) at the Kraak storage facility is primarily<sup>2</sup> on the distribution network level<sup>3</sup> so it is **free of charge**<sup>4</sup> under GasNEV Section 18 (1). However, allocation to the balancing groups takes place at the VP and is effective throughout the entire Gaspool market area for balancing purposes. Gas withdrawal is therefore not linked to balanced sales on the final distribution network level but can be freely traded at the Gaspool VP.

For network withdrawal (**injection to storage**) the costs according to the Ontras price sheet published at <https://www.ontras.com/de/downloads/geschaeftsbedingungen/> are charged for the UGS Kraak exit point.

## Costing example

For storage operation usually customers want high gas transmission flexibility. For the „real-case“ example shown below, which is based on historical data, transmission fees are in the region of 0.28 €/MWh.

The costing example is for all of the offered lots. It has been assumed that the total quantity is churned once. Based on historical data it has been assumed for gas withdrawal that 89% is fed into the grid on the distribution level and 11% into the Ontras network.

Example „real-case“												
		WGV breakdown					Ontras Price sheet					
Entry/Exit	Month	Band	[%]	[MWh]	K [kWh/h]	d [-]	$f_{uj}$ [-]	$E_k$ [ct/kWh/ h/d]	$f_{utb}$ [-]	E [€]	Incidental Costs [0,2587 EUR/ kWh/h/a]	E [EUR]
Exit	April	Month		445.536	618.800	30	1.25			171.731	13.158	184.888
		Day	15%	0	0	30	1.4	0.83	0.89	0	0	0
	May	Month		0	0	31	1.25			0	0	0
		Day	1%	29.702	39.923	31	1.4	0.83	0.89	12.820	877	13.697
	June	Month		490.090	680.680	30	1.25			94.626	14.473	109.099
		Day	33%	490.090	680.680	30	1.4	0.415	0.89	105.939	14.473	120.412
	July	Month		534.643	718.606	31	1.25			103.228	15.789	119.017
		Day	36%	534.643	718.606	31	1.4	0.415	0.89	115.570	15.789	131.359
	Aug.	Month		222.768	299.419	31	1.25			43.012	6.579	49.590
		Day	15%	222.768	299.419	31	1.4	0.415	0.89	48.154	6.579	54.733
	HHNG/SHNG	-	-	-	-	-	-	-	-	-	-	-
Entry	Ontras	Q1	11%	330.537	229.539	60	1.4	0.19243	0.9	33.392		33.392
	HHNG/SHNG	Winter	89%	2.639.703	1.833127	60	-	-	-	10.767		10.767
	Sum			2.970.240						554.687		826.955
<b>specific transport fee [€/MWh]</b>												<b>0.278</b>

<sup>1</sup> Non-binding description. You will receive binding details from the respective network operators.

<sup>2</sup> The entry capacity on the distribution network level depends on the load situation and the storage customers' utilisation behaviour at the time. In a bottleneck situation the free-of-charge capacities will be allocated on a pro-rata basis (at least 50%). In the past 89% of the total working gas capacity were fed into the network free of charge.

<sup>3</sup> Network feed-in (withdrawal from storage) is into the distribution grids of Schleswig-Holstein Netz AG (SHNG) and Hamburg Netz GmbH at a fixed ratio of 34:66.

<sup>4</sup> Fees are charged for allocation and billing. Gas transmission is free of charge.

### Guidelines for gas transmission arrangements

Once you have been allocated storage capacities on the strength of your successful bid, you will be invited to arrange gas transmission. Separate procedures and contact details apply for the different network operators.

Gas is injected at the „UGS Kraak“ network exit of ONTRAS. If you have any questions about capacity booking or contractual matters, please contact the Ontras Capacity Marketing Team at the address below.

As the allocation of gas withdrawal into your balancing group is through the neighbouring network operators Schleswig-Holstein Netz AG (SHNG) and Hamburg Netz GmbH (HHNG), master supplier contracts must also be concluded with SHNG and HHNG for free-of-charge withdrawal. Please contact Mr. Roloff or Mr. Steinbrück at the address below for further details.

### Contact details for transmission procedures

Please use the contact details below should you require further information on gas transmission procedures from the different network operators:

#### Hansewerk AG

(Service provider for Schleswig-Holstein Netz AG and Hamburg Netz GmbH)

- Withdrawal from Kraak (network feed-in)
- Master supplier contract

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D-25450 Quickborn  
(Service provider for Schleswig-Holstein Netz AG and Hamburg Netz GmbH)

#### ONTRAS Gastransport GmbH

- Injection into Kraak (network exit)
- Capacity booking

Capacity Marketing  
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