



4th EEX-Trader-workshop gas - “Control Energy Market Gas” from the perspective of GASPOOL Balancing Services GmbH

Experiences with procurement and use of “control energy” in the market area
GASPOOL in the gas business year 2009/2010 and future prospects

Düsseldorf, 18.01.2010
Jörg Kreher

Flexibility:

Object of contract:

- short-term acceptance and/or provision of surplus/shortage of gas
- Keeping a gas-account with accepted respectively provided gas quantities
- the object of each contract is limited only concerning the quantity of gas per hour, but no cumulative limit
- further use may be changed daily for the following day by the supplier

Intended use:

- temporary borrowing or parking of gas volumes
- generally on an interruptible basis
- daily balance sought to be zero

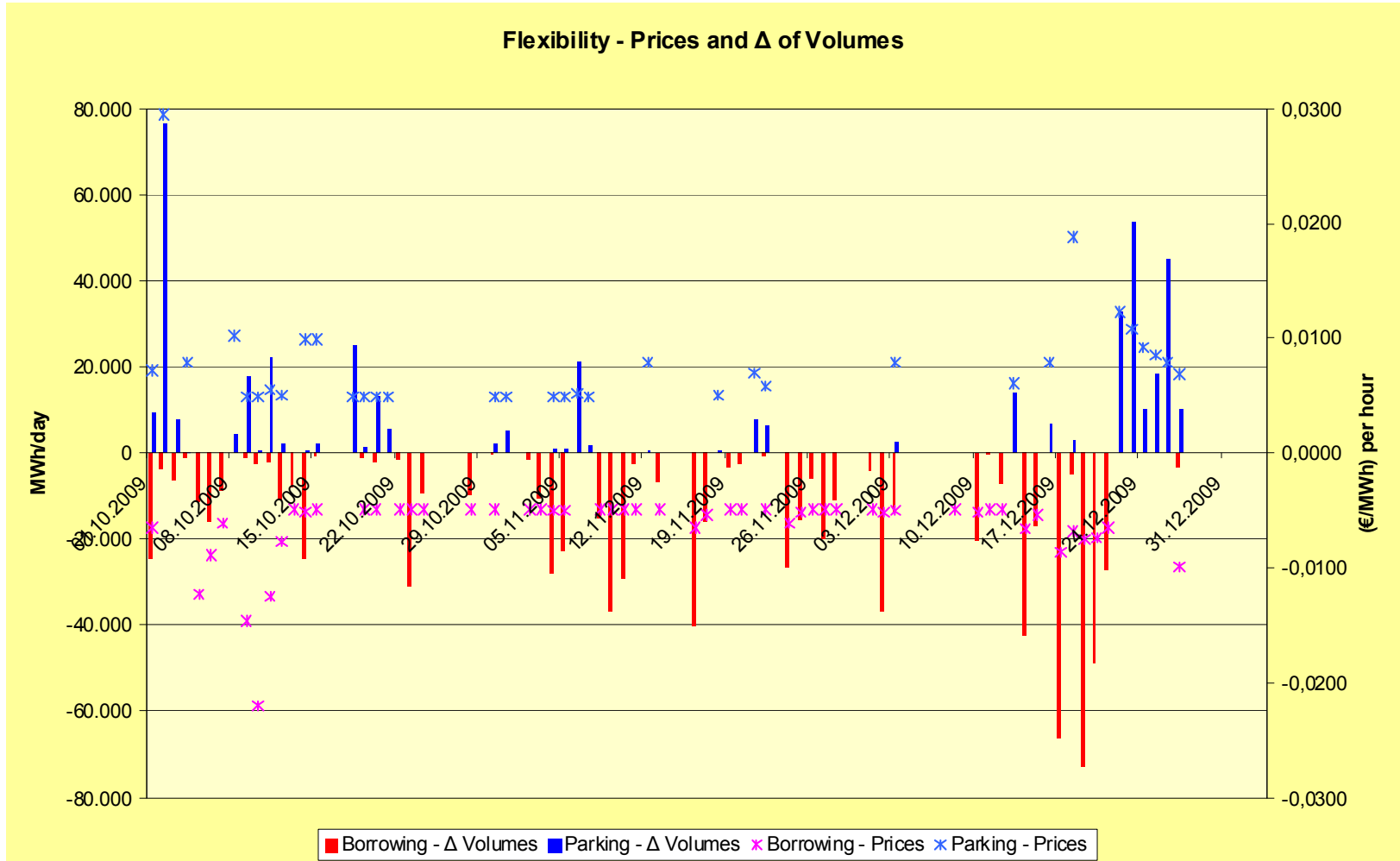
Flexibility (cont.):

Product	Flexibility 1	Flexibility 2
"Direction"	"Parking" and "borrowing" (only both, not alternatively!)	Only "parking" or only "borrowing" (alternatively!)
Capacity per control energy contract	30 MW or a multiple thereof	30 MW or a multiple thereof
Increment for use	1 kWh	30 MW or a multiple thereof
Possible start date	On the input day $t = t + 15$ working days	On the input day $t = t + 2$ gas days
Possible end date	In each case at the end of a quarter	In each case at the end of a quarter
Minimum term	3 months	3 months
Maximum term	Within validity of the approval according to the GASPOOL terms and conditions of portal use	Within validity of the approval according to the GASPOOL terms and conditions of portal use
Pricing	(€/MWh)/h	(€/MWh)/h

Flexibility (cont.):

Product	Flexibility 1	Flexibility 2
Price adjustment	Impossible after conclusion of contract	Impossible after conclusion of contract
Transfer station	Physical (resolution within network area)	GASPOOL hub or an entry/ exit point from a preselection
Call-off period	None	3 hours
Binding nature	Interruptible in accordance with Part B 1.7	Interruptible in accordance with Part B 1.7
Price base	Fixed price	Fixed price

Use of flexibility-products and prices as of 01/10/09:



Commodity:

Object of contract:

- Purchase or sale of gas quantities in order to compensate imbalances
- possible duration one day to two years (only a few restrictions)
- requests on a daily basis (flat)
- Purchase or sale contracts
- Different pricings possible (fixed, surcharge/ deduction to/ from Index)
- generally on an interruptible basis
- Changes in pricing and availability possible for each single day

Intended use:

- Buying and selling for sustainable cover of shortfalls respectively exonerating an overloaded system
- Equalization of an existing balance at the moment of request; however a dull instrument

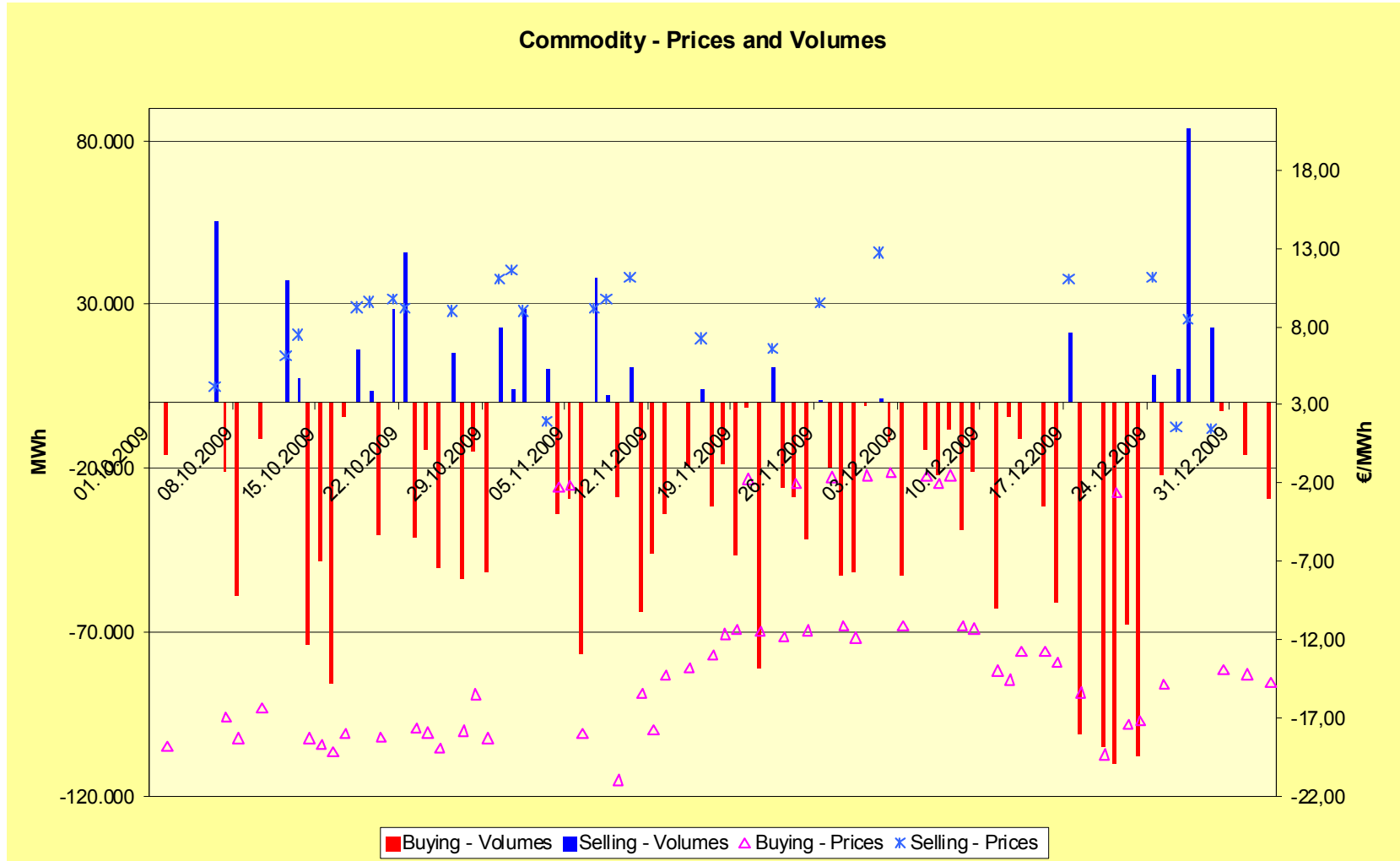
Commodity (cont.):

Product	Day-ahead	Long-term
"Direction"	Acquisition or disposal	Acquisition or disposal
Capacity per control energy contract	30 MW or a multiple thereof	30 MW or a multiple thereof
Possible start date	On the input day t until 10:00 AM = t+1 gas day On the input day t after 10:00 AM = t+2 gas days	On the input day t until 10:00 AM = t+2 gas days On the input day t after 10:00 AM = t+3 gas days
Possible end date	t+2 gas days or t+3 gas days respectively	Starting at t+3 gas days
Minimum term	1 gas day	1 gas day
Maximum term	1 gas day	Within validity of the approval according to the GASPOOL terms and conditions of portal use
Pricing	€/MWh	€/MWh

Commodity (cont.):

Product	Day-ahead	Long-term
Price adjustment	Possible on the input day until 10:00 AM for the next gas day	Possible on any day until 10:00 AM for the next gas day
Transfer station	GASPOOL hub or a physical entry/ exit point from a preselection	GASPOOL hub or a physical entry/ exit point from a preselection
Call-off/nomination period	Call-off the calendar day before the gas day in question until 12:00 noon	Call-off the calendar day before the gas day in question until 12:00 noon
Binding nature	Firm	Interruptible on each day until 10:00 AM for the next gas day; afterwards firm
Price base	Fixed price	a) respective quotation of "GASPOOL natural gas two day ahead contracts" at EEX +/- absolute value in €/MWh; or b) respective quotation of "GASPOOL natural gas two day ahead contracts" at EEX +/- proportional surcharge and/or discount; or c) Fixed price in €/MWh

Use of commodity-products and prices as of 01/10/09:



- Availability of **Commodity**-Products offered is sufficient; no urgent need for action
- Prices of offered **Commodity**-Products are below ("Sell"-Contracts) respectively above ("Buy"-Contracts) market prices; alternative procurement of Commodity via EEX scheduled in quarter 1/2010
- Availability of the offered **Flexibility**-Products (particularly Flex2) is unsatisfactory and prices are disproportionally high; action is required
- Medium-term, partial or complete replacement of the products by "Within-Day" trading on the EEX possible! Precondition is sufficient liquidity at the hubs!!

Thank you for your attention

GASPOOL Balancing Services GmbH

Jörg Kreher

☎ +49 / 30 / 364 289 – 422

Joerg.Kreher@gaspool.de