



Biogas and the German ordinance of gas network access (GasNZV)

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- New German ordinance of gas network access (GasNZV) since 9 September 2010
- Distribution of the investment costs according to § 33 (1) GasNZV
- Contract of grid connection
- Availability
- Schedule of realisation
- Priority access to the network
- Quality standards of the biogas
- Monitoring by the Bundesnetzagentur



New German ordinance of gas network access (GasNZV) since 9 September 2010

- Feed-in target as until now 6 billion m³ 2020 / 10 billion m³ 2030
- New part 6 with §§ 31 – 37 GasNZV
- In principle valid for projects before the access opening
- Economical improvement of the net connection
- Common planning of the net connection point



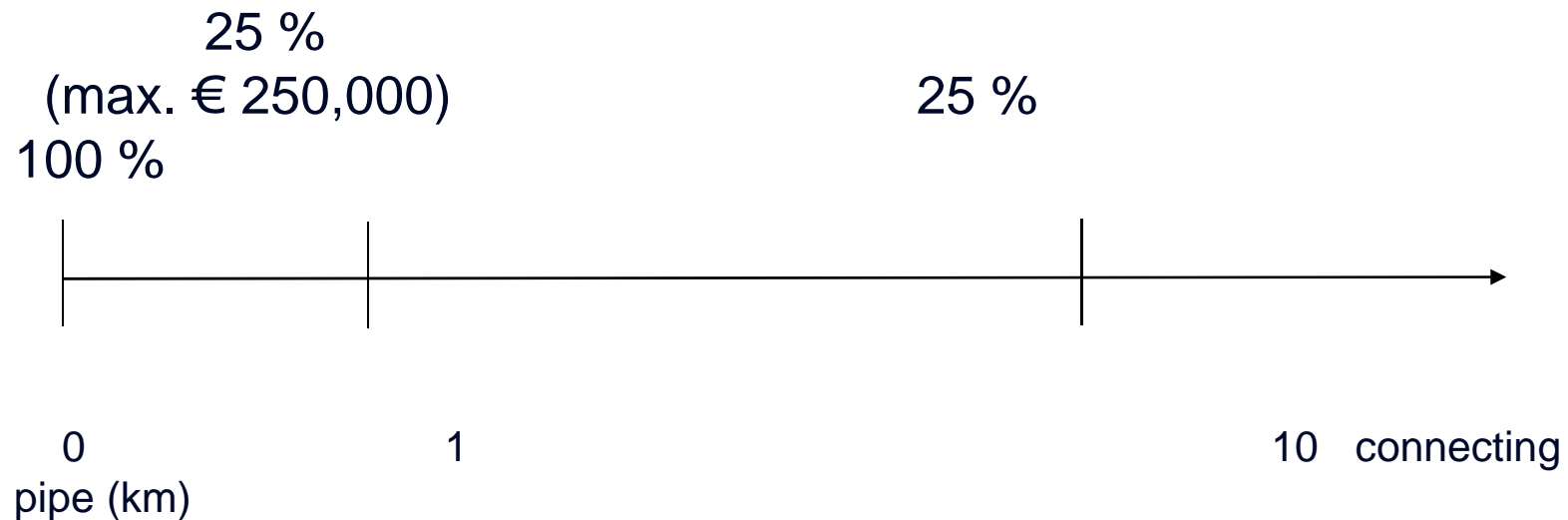
Distribution of the investment costs according to § 33 (1) GasNZV

- 25 % taker of the connection, 75 % network operator
- Limitation of € 250,000 for the taker of the connection
- Net connection according to § 32 subpara. 2 GasNZV
 - Connection pipe between processing plant and gas supply grid
 - Gas pressure regulation measurement equipment
 - Feature for pressure increase
 - Calibrated measurement of the biogas



Contract of grid connection

- Cost division of the net access according to § 33 (1) GasNZV from the point of view of the taker of the connection:



Net connection according to
§ 32 subpara. 2 GasNZV



Availability according to § 33 (2) GasNZV

- Permanent availability of the net connection of at least 96 %
- Declaration of percentage based on technical examinations
- 96 % of 8,760 h/a corresponds to 8,410 h/a
- 350 h/a for maintenance work, foreseeable repairs and unplanned interruptions like interruptions of operation
- 300 h/a for the emergency torch



Schedule of realisation according to § 33 (7) GasNZV

- Considerable delays in the past before completion of the net connection contract
- Mutual planing of the realisation steps
- Ordinance for the grid-connection of power-plants (KraftNAV) as an example
- Failure of the duty to bear the costs of the taker's connection of the blamed for non-compliance by the net operator
- Possibility of adjustment of the plan in the event of changed circumstances



Priority net access according to § 34 GasNZV

- Refusal only in the case of technical impossibility or economical unreasonableness
- Technical impossibility only in very extreme cases imaginable
- Economical unreasonableness: view of the plant operator or net operator?
- Feeding-back as a problem of the transport capacity
- Duty of the net operator to deodorize and to dry



Quality demands on the gas to be fed in

- Spreadsheets G 260 and G 262 of the DVGW
- Static reference (as at 2007) and drawing competence under § 50 (1) subpara. 8 GasNZV (enforcement of the law of the gas net access)
- Share of oxygen as a major point of discussion
- Share of hydrogen as admixture possibility?
- (Intensification of the methane slip of 0.2 % after 30 April 2012 => no exacting quality standard)



Monitoring of the Bundesnetzagentur under § 37 GasNZV

- First 31 May 2011, afterwards annually
- Addressee of entry are plant operators, network operators and biogas dealers
- Examination areas of the report
 - Target achieved in accordance with § 31 GasNZV
 - Cost structure for the feed-in of biogas
 - Reachable proceeds
 - Cost burden of the networks and reservoirs
 - Necessity of sample contract



Thank you very much for your attention!