

Response to Public Consultation: draft GGP on Electricity Grid Connection and Access
Email: Peter Herbst, FRAKO
Date 15 May 2009

Dear Sirs,

Dear Mrs Geitona,

We would like to express our support to chapter:

5.3 Consumption Units

5.3.2 Requirements for Reactive Power

5.3.2.1 Consumption units shall compensate as far as possible their consumption of reactive power.

We would like to suggest adding the following phrase in order to specify more precise the aim of your already mentioned demand:

5.3.2.1 Consumption units shall compensate as far as possible their consumption of reactive power

with a power factor close to 1 (0.95 to 0.99).

Already in the ELECTRA Report power factor correction is mentioned as one possibility to reduce very efficiently T&D losses and to increase energy efficiency (http://ec.europa.eu/enterprise/electr_equipment/electra.htm#docs).

Power factor correction reduces the amount of current flowing in the transmission and distribution networks. Reduced current levels mean lower power losses in the distribution network, savings in electrical energy and hence reduced CO2 emissions.

Our work group in ZVEI e.V. with experts for power factor correction and power quality already answered to the public consultation of the green book "Energy efficiency" (EU commission) ([http://www.zvei.org/index.php?id=389&no_cache=1&tx_ZVEIpubFachverbaende_pi1\[download\]=617&type=98](http://www.zvei.org/index.php?id=389&no_cache=1&tx_ZVEIpubFachverbaende_pi1[download]=617&type=98)).

The calculations show clearly that the level of the power factor has big influence on the effectiveness of the measure. Therefore we would like to recommend fixing already a bandwidth for a demanding power factor.

Should you need further details please do not hesitate to contact me.

Best Regards

Peter Herbst



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