

# CO<sub>2</sub>-Emission trade with biogas

## Biogas recycling to natural gas

Replacing natural gas  
with bio natural gas  
250 g CO<sub>2</sub> / kWh

Example  
100 Nm<sup>3</sup>/h biogas  
70 % methane  
30 % CO<sub>2</sub>

5.600.000 kWh/a

CO<sub>2</sub>-certifikate  
1.400 kg CO<sub>2</sub> / a  
t CO<sub>2</sub> = 4 to 11 €  
5.600 to 15.400 €/a

CO<sub>2</sub>-use  
Replacing CO<sub>2</sub> from  
fossil raw materials

Calculation corresp.  
to problem  
60 kg/h  
→ CO<sub>2</sub>-production

480 t/a CO<sub>2</sub>

CO<sub>2</sub>-certifikate  
Difference from pro-  
duction with fossil  
raw materials  
Calculation for spe-  
cial case

## Current production acc. to EEG

no certificates