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Greening the Gas Grid in Denmark

Denmark is the country in Europe with the highest share of green (decarbonized) gas in the gas grid and could be the first European country to become independent of fossil natural gas by satisfying all of gas consumption through green gas produced from food waste, industrial organic waste and agricultural by-products. As of 2019, more than 10 % of the gas in the Danish gas grid is green throughout the year. In the summertime the decarbonized share is 25 %. It is estimated that 100 % of the expected gas consumption could be green by 2035 (this equates to 72PJ) according to assessments from Aarhus University and Green Gas Denmark. Denmark plans to reduce GHG emissions from transport, housing and agriculture by 39 % by 2030. One fifth of this targeted reduction could be achieved through use of green gas as a vehicle fuel for buses and trucks.

Source: Newsletter IEA Bioenergy Task 37: 06/2019

More information: IEA Bioenergy Task 37

task37.ieabioenergy.com/case-stories.html?file=files/daten-redaktion/download/case-studies/IEA_Greening%20the%20Gas%20Grid_end.pdf