

IEA Bioenergy Task 37

Country Report: Sweden

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Energy gases in Sweden

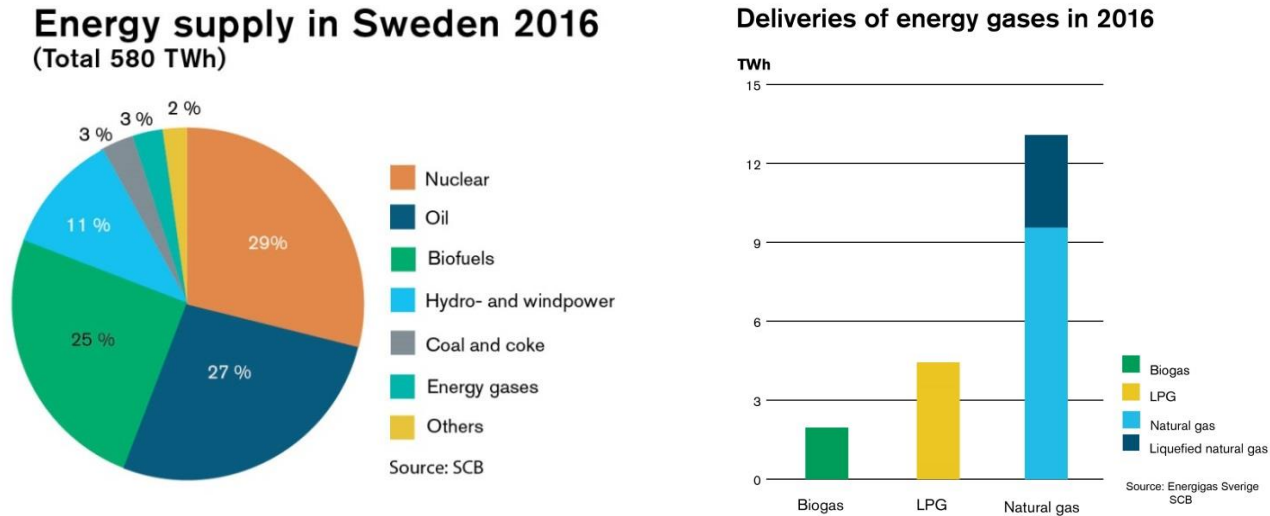


Figure 1. Total energy supply and deliveries of energy gases in Sweden 2016. Source: SCB and Swedish Gas Association.

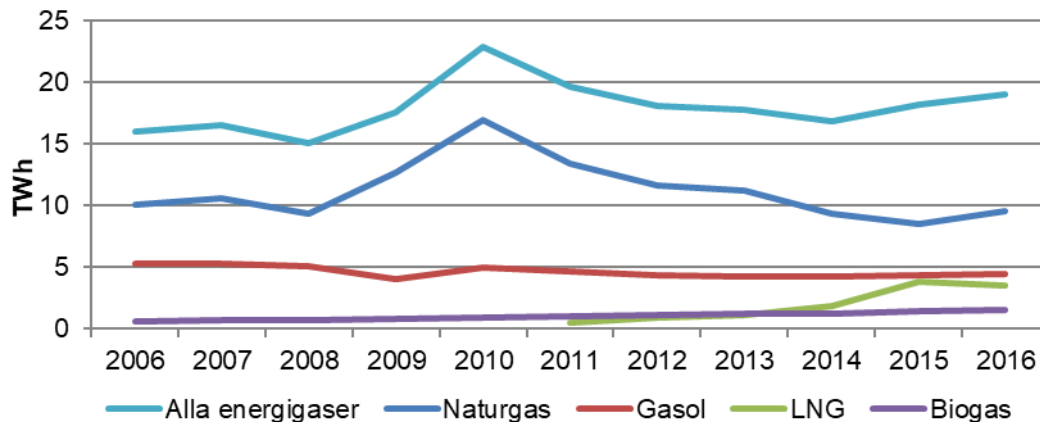
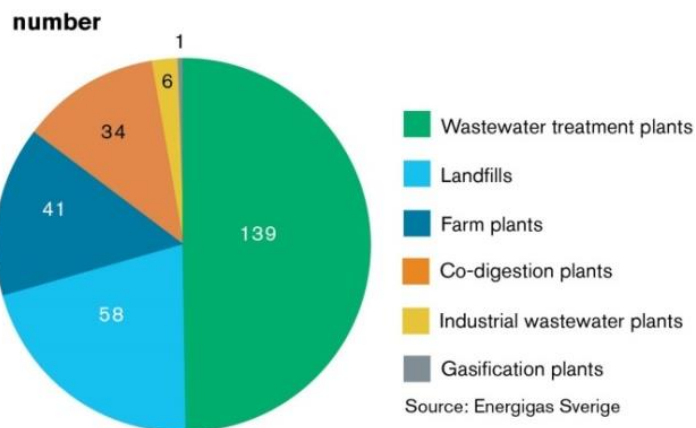


Figure 2. Use of energy gases in Sweden 2006-2016 (TWh). Gasol = LPG. Source: Swedish Gas Association.

Production of Biogas

Number of biogasplants 2016



Biogas production 2016

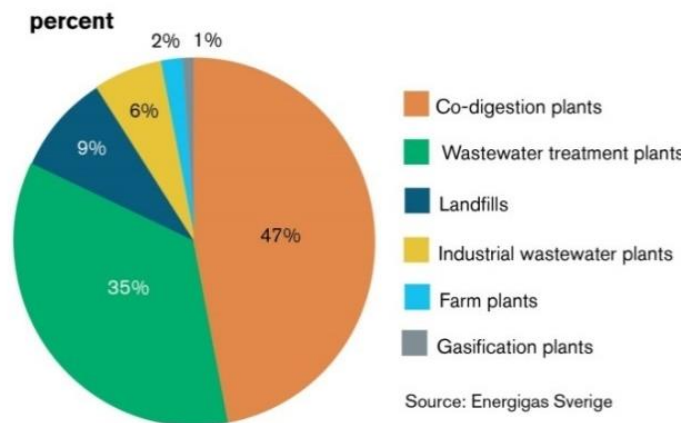
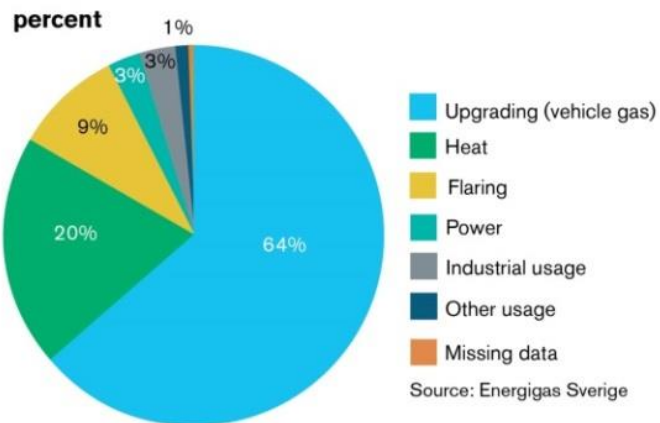


Figure 3. Biogas plants and distribution of biogas production in Sweden 2016. Source: Swedish Gas Association.

Biogas utilisation 2016



Biogas utilisation 2005-2016

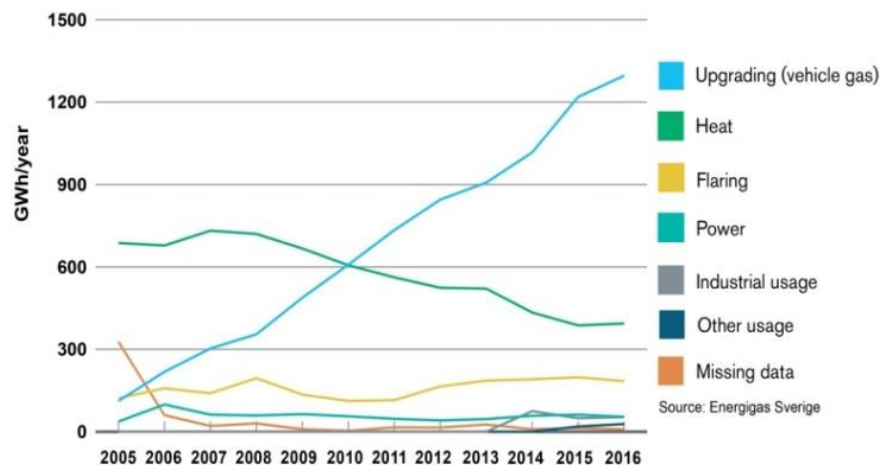


Figure 4. Use of produced biogas in Sweden 2016. Source: Swedish Gas Association.

Utilisation of Biogas

Sold volumes of CNG and CBG in Sweden

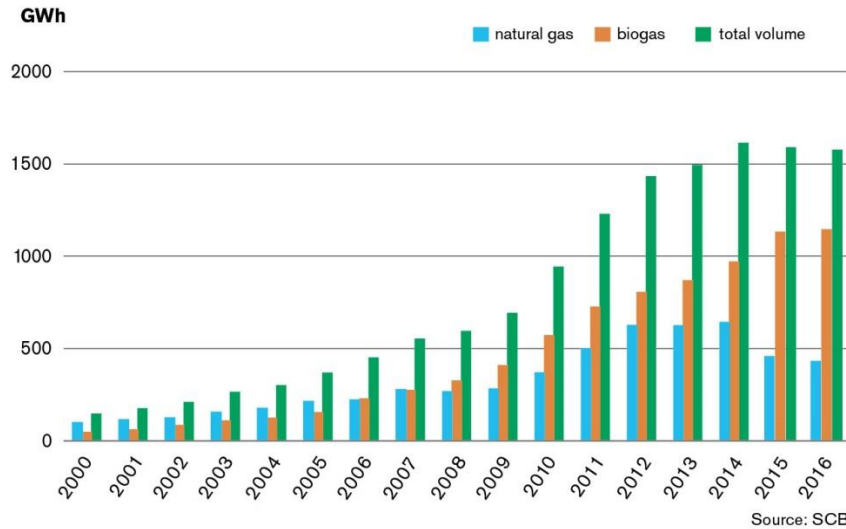


Figure 5. Sold volumes of CNG and CBG in Sweden 2000-2016 (GWh).

Number of gas vehicles in Sweden

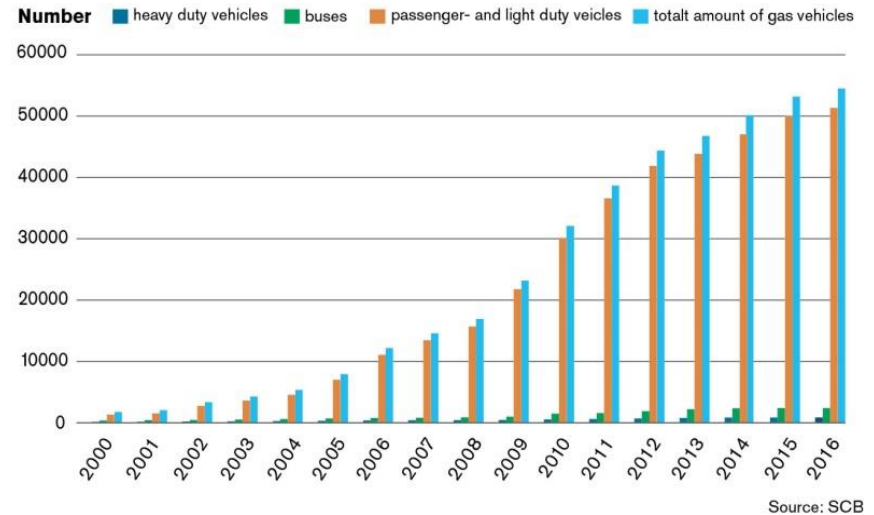


Figure 6. Number of gas vehicles in Sweden 2000-2016.
Source: SCB and Swedish Gas Association.

Financial support systems

Long term climate and energy goals:

- Climate neutral energy sector 2045 of which at least 85 % GHG emission reduction in Sweden. From 2045 negative emissions.
- 100 % renewable electricity production 2040
(agreement between 5 of 8 parties in parliament)
- 63 % GHG emission reduction in non-EU ETS sector in 2030 and 75 % 2040 comp. to 1990
- 70 % GHG emission reduction in domestic transport (excl. aviation) 2030 compared to 2010
- There is also a vision to have a fossil free transportation sector by 2050.

“Green gas 2050”:

- 50 TWh renewable gas production by 2050 and 100 % renewable gas in the national grid
- Climate neutral industry with gas
- Fossil-free land transportation with gas by 2030
- Cleaner shipping with gas
- Fossil-free heat and electricity with gas



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Thank You!

For details, please see: Country Report Summary 2017

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