


Regional Study for gas supply expansion for South Sweden

Del. 4.2.2



Intelligent Energy  Europe

MADEGASCAR 

This publication is a result of
the project Madagascar, EIE/07/180/S12.466795
supported by

Intelligent Energy  Europe

Deliverable nr	D4.2.2
Dissemination level	Public
Partner name	SEA and ESS
Work Package	WP 4: Supply and distribution infrastructure for gas fuels
Country	Sweden
Region	South Sweden
Are there existing filling stations and natural gas and biogas driven cars already in the region?	Yes

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1. Expansion Plans for gas filling stations

1.1. Identify regional network or partners for new filling stations

The main partners concerning new gas filling stations in the region is E.ON, Svensk Biogas, Lunds Energi, Öresundskraft, NSR and Västervik Biogas AB.

Partners in the work to

1.2 Identify needs in your region

There is a great need for gas filling stations in the county Blekinge because there are none today. One filling station is planned to be built in Karlshamn in the spring 2009.

In Skåne, in the south of the region, there are already a larger number of public gas filling stations (20), but they are not spread over the whole region. Most of the filling stations are found along the west coast of Skåne, and the east coast has only a few where the south east corner has none. To be able to convince costumers to buy NGV's it would be much easier if you could run it unopposed through the county. People living in many parts of the region simply have to far to the nearest gas filling station.

1.3 Identify potential owners of new gas filling stations in your region

E.on and the municipalities are seen as the potential owners fore new gas filling station in the ESS working area. In Skåne we believe that the existing filling station owners will also be the ones that build new filling stations. In long term, when/if NGV's represents a greater amount of the total number of vehicles it could be possible that the traditional "fuel companies" starts to build gas filling stations as well.

1.4 Identify decision makers in your region

In the Skåne region we have identified a number of decision makers at many different levels. One central category of decision makers can be found at regional authorities and municipalities. If decision makers at municipalities and local authorities accept NGV's as a sustainable alternative for transport of people and goods we get a better starting position for expansion of filling stations.

1.5 What else is necessary to reach the planned expansion of gas filling stations in your region

There has to be a greater demand for CNG, from all sorts of vehicles. The operators of buses, heavy trucks and personal cars need to request CNG. One step in this direction could be to use a tax system where you pay for the amount of emissions your vehicle emits, this would mean that vehicles would be cheaper to run on CNG.

In the ESS region it is necessary that the society paid traffic such as buses, taxi and so on selects biogas as their choice of fuel.

2. Expansion Plans for biogas plants

2.1. Identify regional network or partners for new biogas plants

In the ESS area: Larger farms and the municipalities.

In the SEA area: Local authorities. Companies with know how when it comes to building biogas plants. The regional part of the National farmer's organization when it comes to biogas with agricultural links.

2.2 Identify needs in your region

The needs in this area are mainly to get a larger number of companies interested in building biogas plants and a number of companies prepared to build these plants. And parallel to this fact the goal is that every town gets a gas filling station so that the biogas plant builder can sell the produced gas locally as the transportation of the gas is expensive due to the absence of a gas grid.

2.3 Identify potential owners of new biogas plants in your region

In the ESS area there are some larger farmers who are interested in setting up biogas plants. There are several municipalities planing biogas plants.

In the SEA area: Farmers are interesting partners in this part of the region as well. Also the waist treatment companies that already has access to much of the substrates for biogas production. There are also some industries with large amounts of organic waists that could be interesting to keep in touch with. The municipalities are also an important partner when it comes to biogas production. There are also a couple of large companies in the energy business that are interested in building biogas plants in the region, they are of course also interesting network partners.

2.4 Identify biogas plant decision makers in your region

It is important that decision makers at the regional authorities are up to date when it comes to the biogas production and all so that the authorities become a helping hand instead of a barrier when companies start to build biogas plants.

2.5 What else is necessary to reach the planned expansion of biogas plants in your region

It is crucial to find consumers of the produced biogas, or else it will be impossible to find profitability in a biogas plant. One use is for example that the municipalities and local companies buy biogas vehicles.

3. Expansion Plans for plants for upgrading biogas to biomethane

3.1. Identify regional network or partners for upgrading

In the ESS area: The municipalities are the main part for upgrading.

In the SEA area: Main partners when it comes to upgrading are the University, companies with technical competence (mainly consultants that helps municipalities and companies that run biogas plants to project and build biogas plants) and of course the companies that builds and develops upgrading equipment.

3.2 Identify needs in your region

wider spread knowledge of Biogas as a fuel for vehicles, and also a higher knowledge about the NGV's themselves is of high importance to be able to get economy in a upgrading plant for biogas. Another need in the region is technical equipment for with relatively small capacity. There are no alternatives on the market today that can upgrade low volumes of biogas to biomethane with good cost efficiency.

3.3 Identify upgrading decision makers in your region

The decision makers in the region are mainly that who develops and builds the upgrading equipment and also those who order the equipment (companies, or municipality).

3.5 What else is necessary expand the upgrading in your region

A large demand for CNG is a crucial factor when a upgrading plant is being considered. In the regions with none, or only a few NGV's it may be necessary that the municipality or some large companies makes the decision to buy biogas vehicles. Traffic such as buses, taxi and so on can also be important to select biogas.

4. Other comments