

# Locally produced biogas as a fuel for vehicles in Gotland



Strategy and action plan  
for Gotland



***Gotland -  
57,200 inhabitants  
Business; agriculture,  
tourism,  
lime stone & cement***

# Consumption



- Region Gotland will act in favour for establishment of biogas as a fuel for vehicles according to following:
  1. Leasing vehicles, when replacing cars biogas will always be considered as first choice if possible
  2. Municipality owned vehicles, new and conversion of old. Biogas will always be considered as first choice if possible.
  3. Procured transport services  
Biogas will always be considered as an option in procurements and shall be chosen if possible.
  4. Stimulating the private car market  
Activities, campaigns, cooperation with the businesses and companies.

# Production



- **Security of supply**  
Biogas must be available at all times
- **Small or big scale?**  
Alternative suppliers are available. Region Gotland will support co-operation between the actors.
- **Local production preferable**  
Use for ferry transports may be limited, but cars, lorries, buses are suitable.

# Distribution



- Region Gotland shall not own nor operate fuel stations
  1. The local biogas supplier operates the fuel station
  2. Cooperation with distributors of traditional fuels.
- Regional spreading of fuel stations

Important for the households in order to inspire them to invest in biogas cars but also for good service to the Municipal leasing cars.

# Procurement

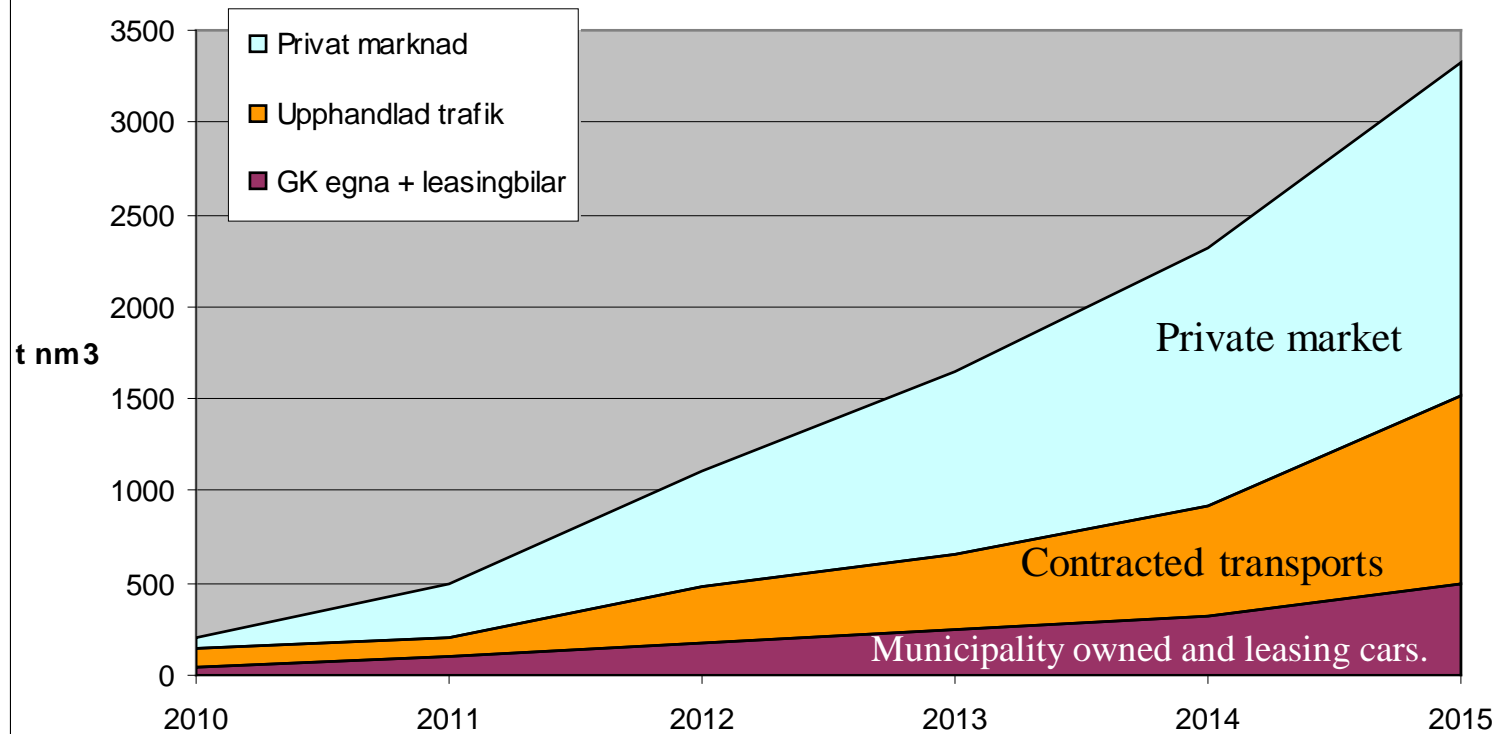


- Has to be completed according to the legislation and § LOU
- Important factors during procurement
  - Stable price development
  - Safe and secure supply
  - Long term stability

# Biogas – potential for development

## Biogas - utvecklingspotential på Gotland

### Biogas- Potential for development in Gotland



# Summary

## Biogas as a fuel for vehicles – How do we proceed ?

- Procurement of public bus passenger transportation with biogas buses - OK
- Adopt strategy and action plan - OK
- Procurement of biogas as a fuel - OK
- Replace Municipality leasing cars and municipality owned cars with biogas vehicles Started
- Contracted transports operate on biogas – Started
- Cooperate with stakeholders for building distribution grid (bankable project) Today 8 km grid Started
- Stimulate the private market –House holds Started



# Justification for the proposed strategy

- In accordance with the Environmental Programme for Gotland
- Other Municipalities in Sweden are active, expansion of the number of fuel stations and biogas production plants ongoing
- The Government has presented the goal to phase out fossil driven cars until 2030
- Gotland has good conditions for local biogas production
- Possibilities for EU funding for development of infrastructure.



# The former Mayor inaugurating four new biogas/CNG buses in Gotland





# Biogas grid in Gotland



# New biogas plant 8 km:s from Visby 2 M Nm<sup>3</sup> biogas / year



Thank You !



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[www.gotland.se/tkf](http://www.gotland.se/tkf)