Country report - Sweden -Sept. 2005



Progress in institutional framework

- National target to replace 3% of all fossile fuels in the transport sector by 2005 and 6% by 2010
- Tax on combustion and landfilling. 20/9 new deadline.
 50€ton for organic waste and combustible and 40€ton for other waste
- No tax exception if processing time >1 year
- 35% target for recycling of organic waste until 2010.
- OFMSW will not give green cerificates
- Legislation on alternative fuels unclear yet
- Budget negotiation about 200 M€for new Climate investment program (approved!)

Government policy on Environmental Targets - September 2005

- 25% of all new governmental cars should be Eco friendly 2005. 35% in 2006
- National action plan for adaption of the public tendering process (more environmentally oriented)
- Biogas in transport sector can contribute by 10% to the national GHG targets in 2010
- Free parking for biogas vehicles in Stockholm, exception from congestion fees
- Collection of OFMSW to be tenfolded in 2009 in Stockholm

R&D

- Analysis of micro-organisms in biogas
- Counter measures to biological growth in upgrading plants
- SNG-production from solid biomass
- Analysis of methane emissions from post treatment of digestate
- Biogas train in Linköping



Biogas train

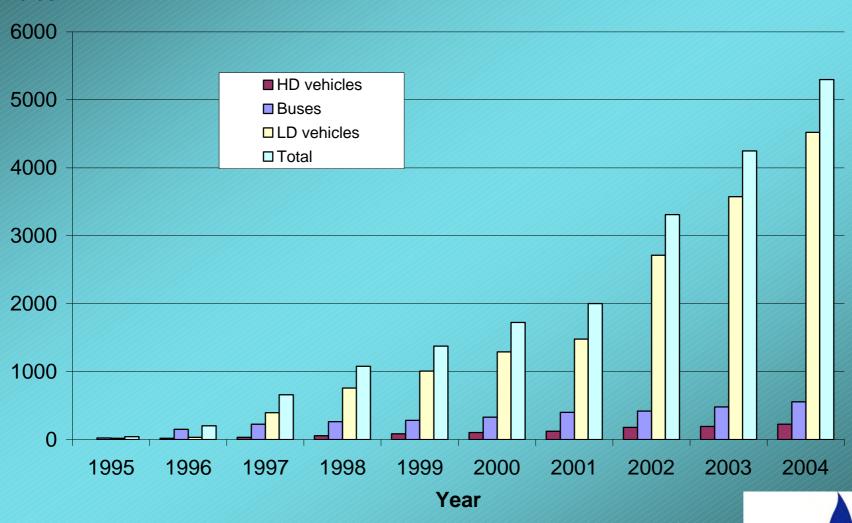
- Tekniska Verken in Linköping invested in train
- Linköping Västervik (115 km)
- Y1 bought januari 2005
- Two new Volvo engines
- Range 500 km on biogas
- First trip 20 june 2005



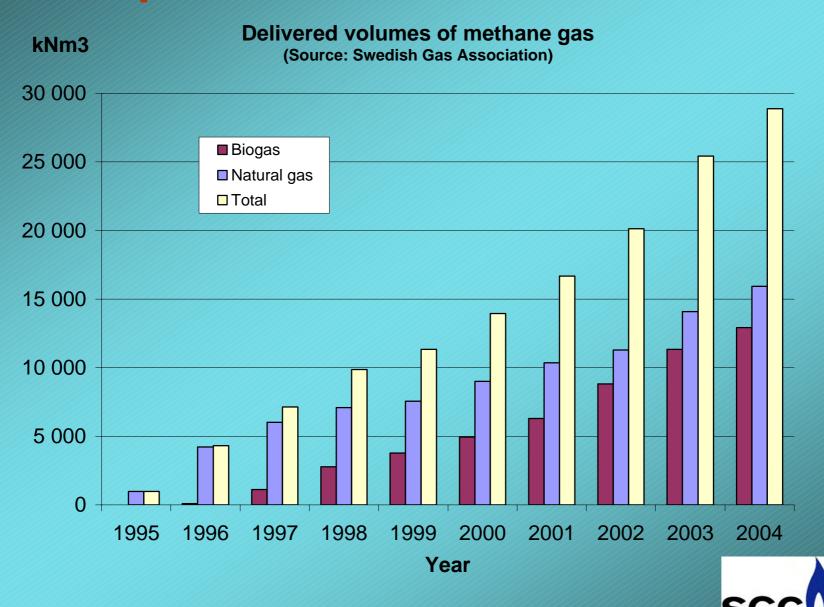


Development of gas vehicle market





Development of market for CNG/CBG



Selected news from SE biogas plants

- Kristianstad New upgrading plant 2005 1,8 M€ 600 m3/h, mobile filling station, farmscale biogas/upgrading, covered manure pits
- Gothenburg new upgrading plant 2005 1400 m3/h -CIRMAC - injection into MP grid
- Southern Sweden WT-company forms AD company
- Sydkraft 20% biogas in fuel to NGV's, 2 Mm3 to Malmö gasgrid in 2007, 50% biogas in vehicle fuel 2010
- Trollhättan new plant for plants under study



Selected news from SE biogas plants

- Falkenberg 180 000 tpy plant under design
- Helsingborg New upgrading plant for 1,7 Mm3/year + new upgrading from sewage (1 Mm3/year)
- New biogas plant on dairy in Umeå
- New upgrading plant in Boden 1 Mm3/year (sewage)
- Norrköping new biogas plant with raw material from ethanol plant



International activities

- Marcogaz Code of practice for biogas injection under development
- BIOCOMM finalized Regulation draft for introduction of biogas into the natural gas grid developed - May 2005. Project partners: SGC, German Biogas Ass., ICAEN, Barcelona

