Sustainable Energy Action Plans Dealing with Transport and Mobility

Sustainable Mobility and Integrated Planning in Urban Areas: Trade Union Dialogue with Local Authorities

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About Gothenburg

- Gothenburg was founded in 1621
- 900,000 inhabitants in the Gothenburg Region and over 500,000 inhabitants in city
- 65,000 students
- 5% of Sweden's population lives in Gothenburg
- 50% of Scandinavia's industrial capacity is within a 300 kilometre radius
- Has the largest port in Scandinavia
- Gothenburg and western Sweden is Scandinavia's automotive centre with companies like Volvo Trucks and Volvo Cars
Our Vision 2020

30 % reduction of CO2 compared to 1990
Key Areas

- Increase energy efficiency - lower electricity usage
- Lower heating demand - energy efficiency in Buildings
- Lower CO2 emissions from transport
- Increase local renewable energy production
- Increase usage of renewables in the entire energy mix
<table>
<thead>
<tr>
<th>Field of Action</th>
<th>Expected CO₂ Reduction (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport</td>
<td>86000 tons -13%</td>
</tr>
<tr>
<td>Buildings, equipment, facilities &amp; industries</td>
<td>433000 tons</td>
</tr>
<tr>
<td>Local energy production (electricity &amp; heat/cold)</td>
<td>198000 tons</td>
</tr>
<tr>
<td>Land use planning</td>
<td>78000 tons</td>
</tr>
</tbody>
</table>
SEAP

• Is good tool for pooling resources and to create the bigger picture
• Enhanced cooperation between departments
• A communication tool
• Main Issue : Comparison of figures…
Some Examples from Gothenburg
90% of all apartment buildings heated by district heating.
Biogas

- Utilizes existing gas infrastructure
- Renewable and locally produced
- Will replace natural gas
GoBiGas

1 000 GWh in 2016
= fuel for 75 000 cars

65% of biomass converted to biogas, with an overall energy efficiency of 90%
Railway shuttles
The West Swedish 3.8 billion Euro Infrastructure Package
The West Swedish package contents

- Public transport investments
- Environmental and road safety measures
- Congestion tax (1 January 2013)
- The new Götaälv bridge
- The Marieholms tunnel
- The West Link – Railroad tunnel
K2020

Strategies to increase the share of trips made by public transport

2005 – 25% share
450 000 trips

2025 – 40% share
1 000 000 trips
Thank you for your attention!