

A photograph of a dense forest with tall, slender trees and a thick canopy of bright green leaves. Sunlight filters through the branches, creating a dappled light effect on the forest floor. The ground is covered in grass and some fallen leaves. The overall scene is vibrant and natural.

**Kick-start of Fossil Fuel Free Växjö
back in the 1990s**

Växjö

- Population ~83 000
- Forests and 200 lakes
- Centre of trade and education
- 8 000 companies



It all started with the lakes...



**Lake Trummen
(restoration 1970-1971)**

Before restoration

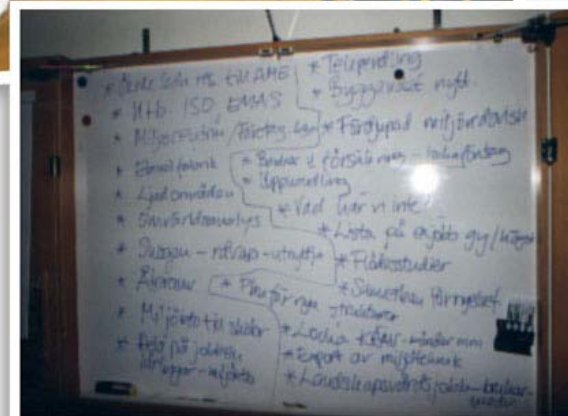


After restoration

1980 The first steps towards a fossil fuel free Växjö were taken

1995 Co-operation with SSNC started

1996 Political decision on Fossil fuel free Växjö



Fossil Fuel Free Växjö

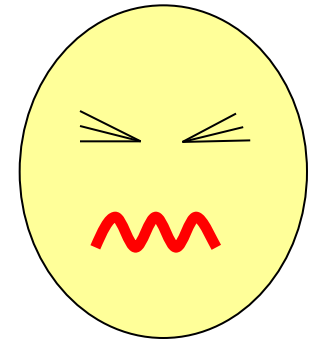
- The global climate change – we take our responsibility
- To show that it is possible to achieve results on local level
- To show that you don't have to wait for international agreements
- Sustainable growth and development of regional business



Happy politicians

Fossil Fuel Free....

- Why should we do it?
- Is it possible?
- What will the companies say?
- What will the citizens say?



Worried politician

Formula for success



- Political consensus – decisions
- Good relations between politicians and staff
- Broad collaboration and networks
- Resources - financial support

Fossil Fuel Free Växjö – the policy

- Unanimous political decision in 1996: Växjö shall become Fossil Fuel Free
- Focus both on **renewable energy sources** and **efficient use of energy**
- We take our local share of a global challenge



Växjö's biggest PV plant

Växjö's targets for the geographical area

- The CO₂ emissions per capita shall be reduced by 55 % between 1993 and 2015
- Växjö shall be fossil fuel free (-100 % CO₂) by 2030
- The energy use per capita shall be reduced by 15 % between 2008 and 2015



Passive houses in Växjö

Växjö and Covenant of Mayors



- The City of Växjö signed the Covenant of Mayors in 2008
- Växjö's CO₂ target within the CoM is -65 % per capita between 1993 and 2020
- Växjö's Sustainable Energy Action Plan is based on the Fossil Fuel Free Växjö strategy and the Final Report of the Local Climate Commission
- A new Energy Plan is being developed for the moment, and will replace the existing SEAP

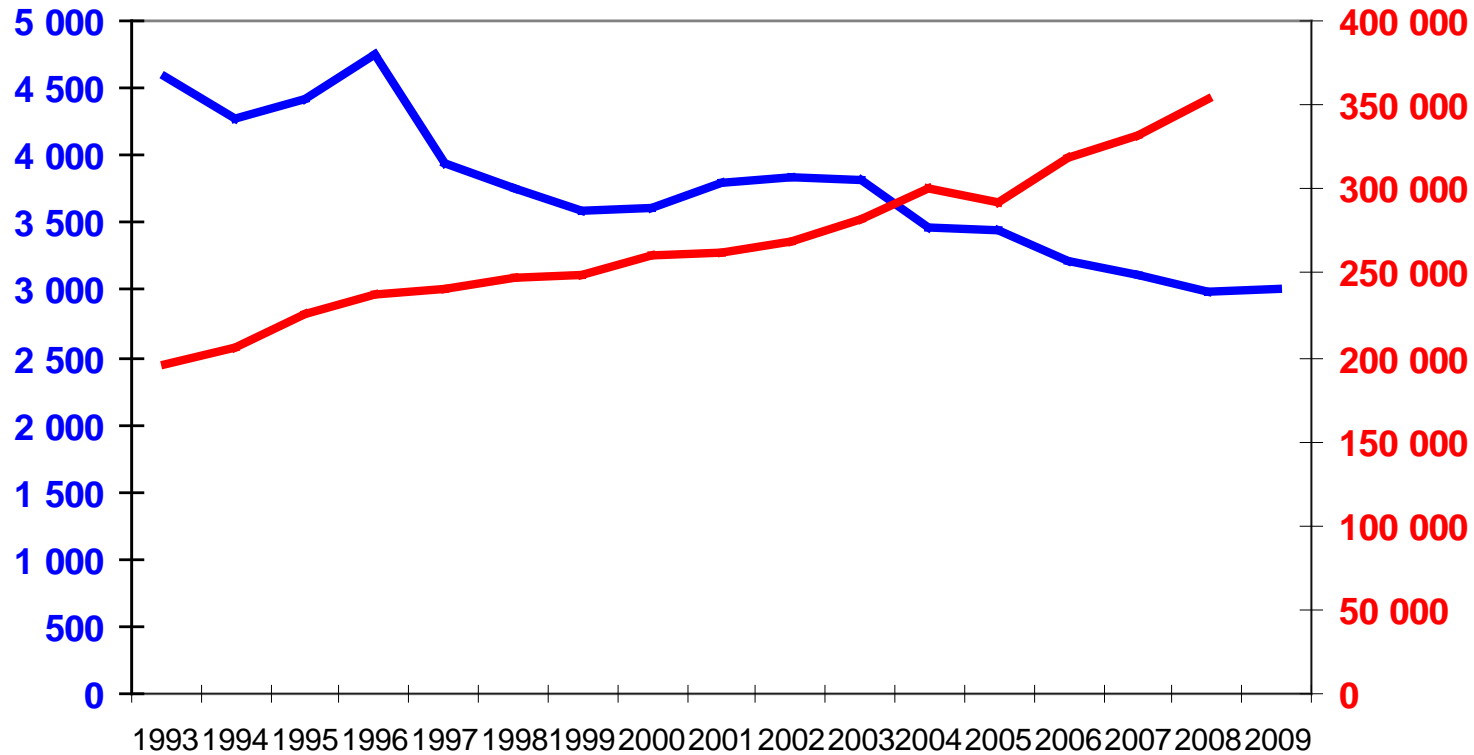
Cooperation between the City of Växjö and Energy Agency of Southeast Sweden (ESS)

- Cooperation in arranging energy and climate conferences
 - >>> *Local, regional, national and international conferences*
- The Local Climate Commission 2007 – input of expertise from ESS
 - >>> *Final report of the Commission = Växjö's SEAP*
- ESS was the Technical Coordinator in the EU-project SESAC
 - >>> *Construction of energy efficient buildings in Växjö*
- "Climate smart city centre"
 - >>> *ESS, City of Växjö among others, develop Växjö's city centre to become more climate friendly and energy efficient*
- Energy balances and CO₂ monitoring
 - >>> *The method developed by Växjö is transferred to other municipalities in the region, and is also used by the ESS*

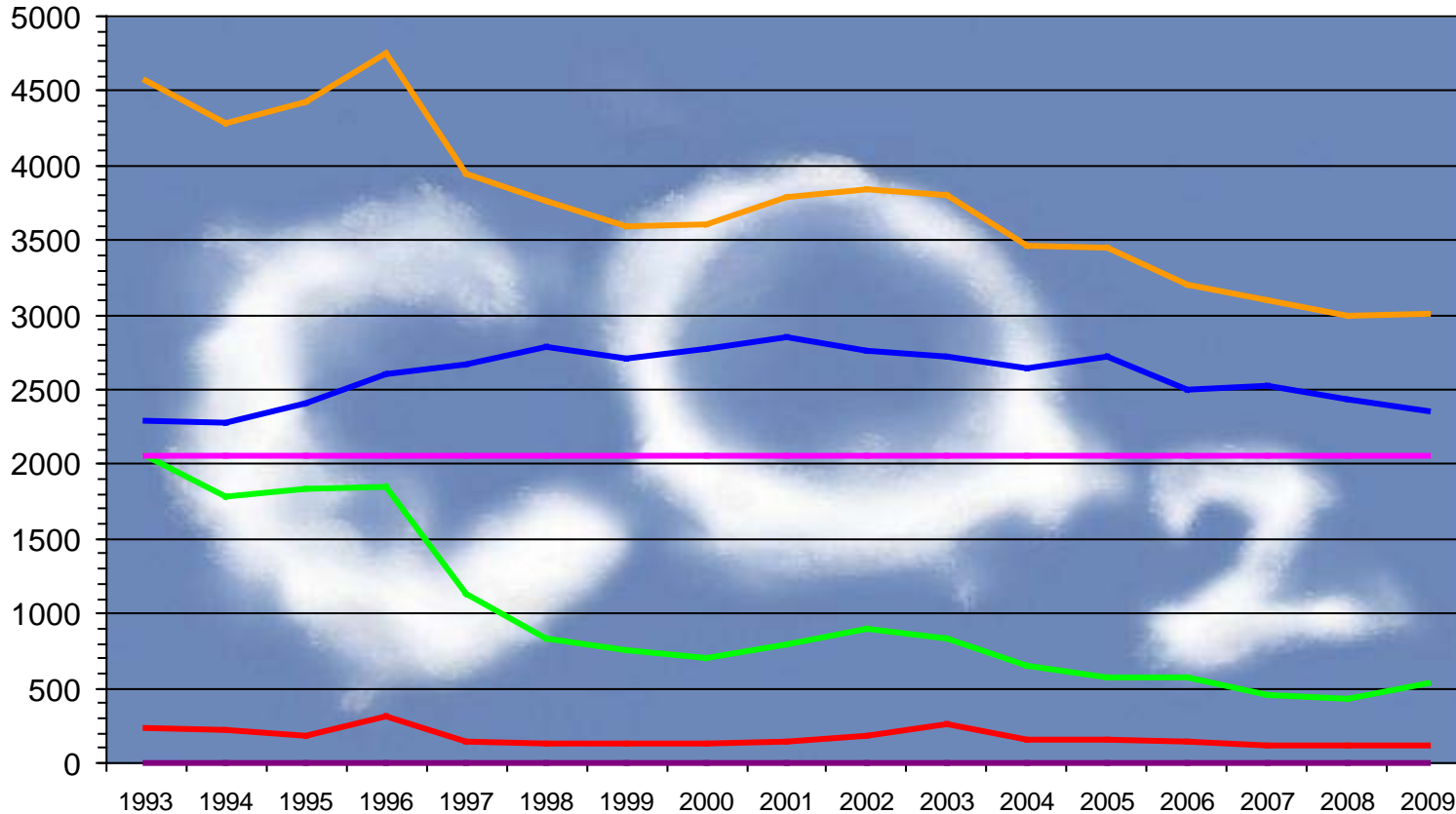
Economic growth and CO2

CO2/inh, kg

GDP/inh, SEK



CO₂ emission per capita in Växjö, kg



-34 %

— Total — Transports — Heating — Electricity — Target 2015 — Target 2030



www.vaxjo.se
www.vaxjo.se/english
Thank you for listening!

Thank you

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