

nooil.

**A FOSSIL FUEL
FREE REGION.**

Kalmar County

Objectives **nooil.**

Energy and environment as a base
for sustainable growth

Fossil fuel free region 2030

Decouple economic growth from
increased use of fossil energy



PROPORTION RENEWABLE ENERGY SOURCES 2007

KALMAR COUNTY

63%

SWEDEN

31%

EU-27

8%

EU GOAL 2020

20%

WORLD

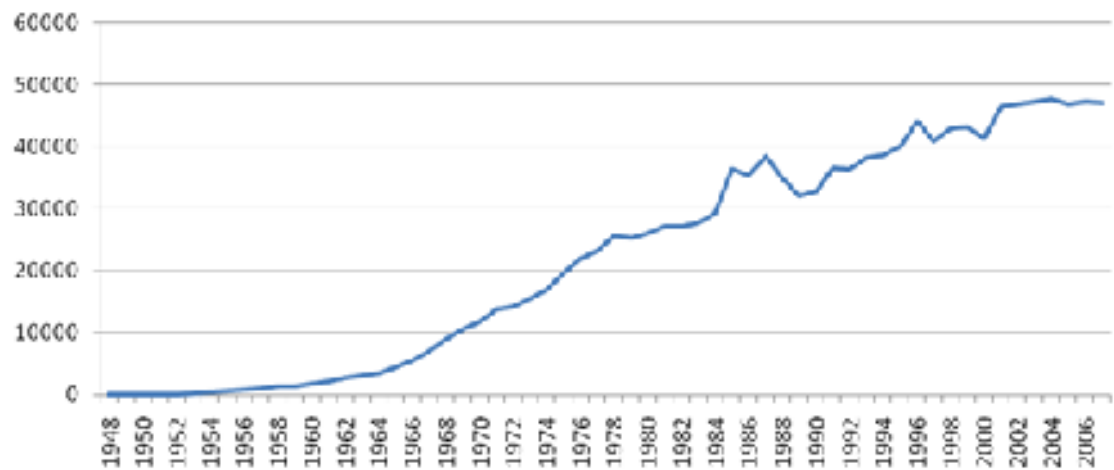
13%

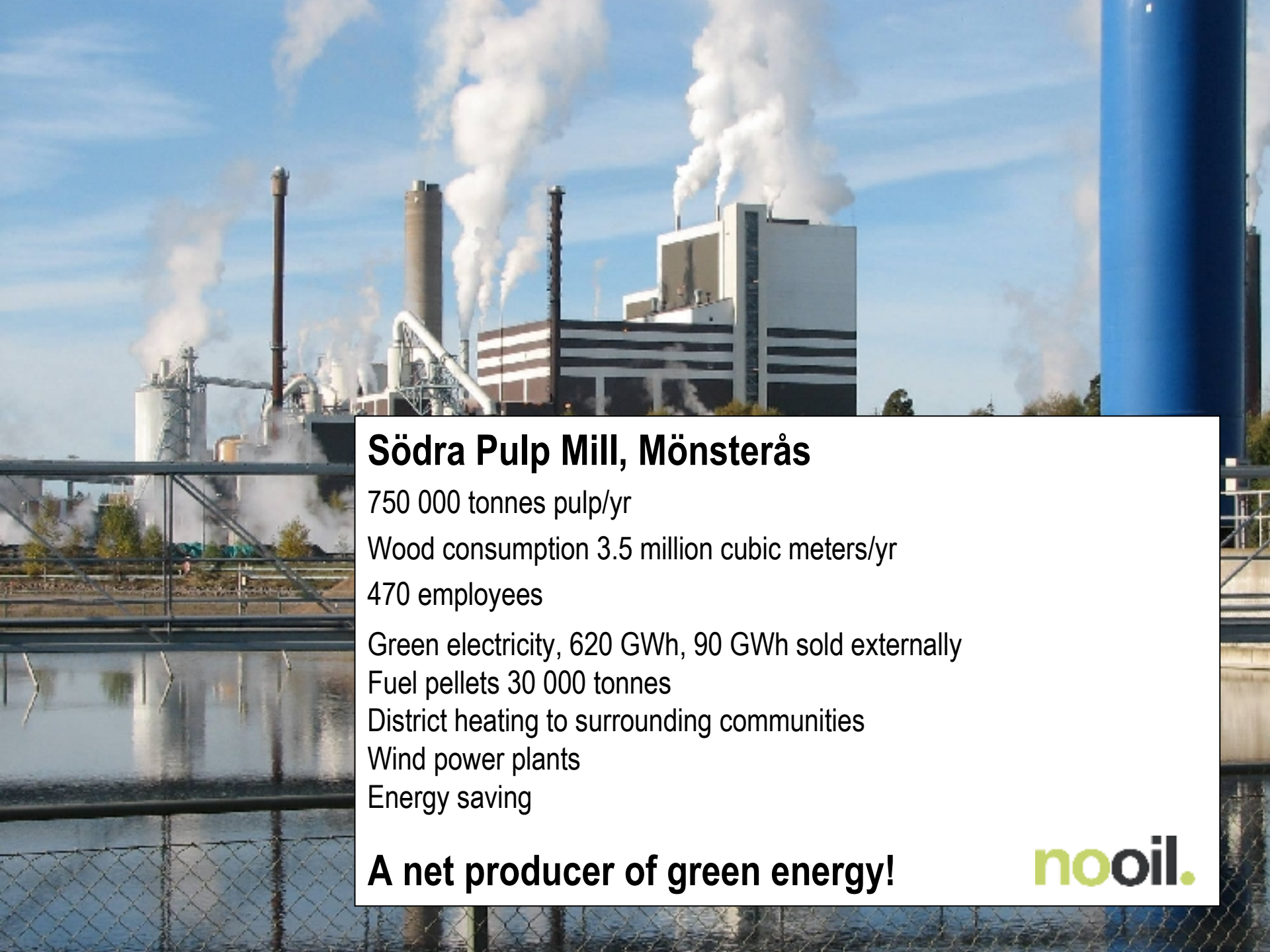
nooil.

nooil. Kalmar County 1990–2007: +100%



Public district heating in Sweden, 1948-2007, GWh





Södra Pulp Mill, Mönsterås

750 000 tonnes pulp/yr

Wood consumption 3.5 million cubic meters/yr

470 employees

Green electricity, 620 GWh, 90 GWh sold externally

Fuel pellets 30 000 tonnes

District heating to surrounding communities

Wind power plants

Energy saving

A net producer of green energy!

nooil.



NYBRO KOMMUN

Schools, nursery schools, homes for elderly care, sport arenas, offices
Renewable district heating, heating pumps, wooden pellets, wooden chips
Green electricity

100% renewable in own buildings!

nooil.

A yellow Volvo bus is driving on a paved road. The bus has "22 Ljungbyholm" displayed on its front. In the background, there are green trees and a blue sky with white clouds. A bus stop shelter is visible on the left side of the road.

Public buses in Kalmar County

Common procurement

53% renewables (biogas and RME)

EURO CAP 5

The cleanest buses in the world?

nooil.



START ABOUT THE PROJECT CLIMATE PILOTS CHALLENGES CLIMATE COACHES WHAT YOU CAN DO BLOG www.climatepilots.com



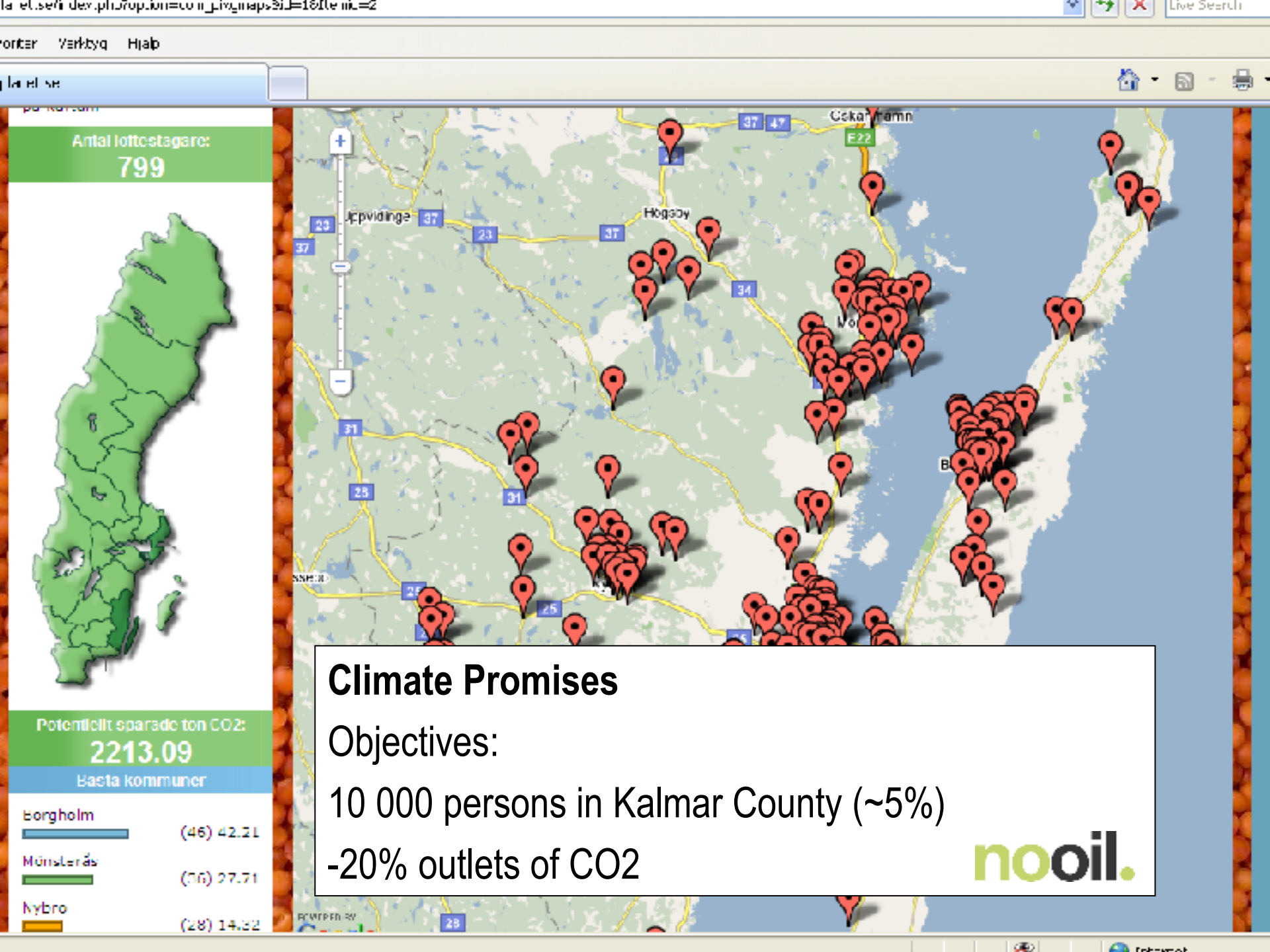
Climate Pilots in Kalmar

12 families and 12 challenges

32% reduction of CO₂, 53 tons

Now in Washington DC

nooil.



Ecocars*

40% of all new cars in Kalmar County

Regional grants

Public sector

Common procurement

100% yr 2010

nooil.



* Ethanol, biogas, electricity, hybrid, petrol and diesel if < 120 g CO₂/m³

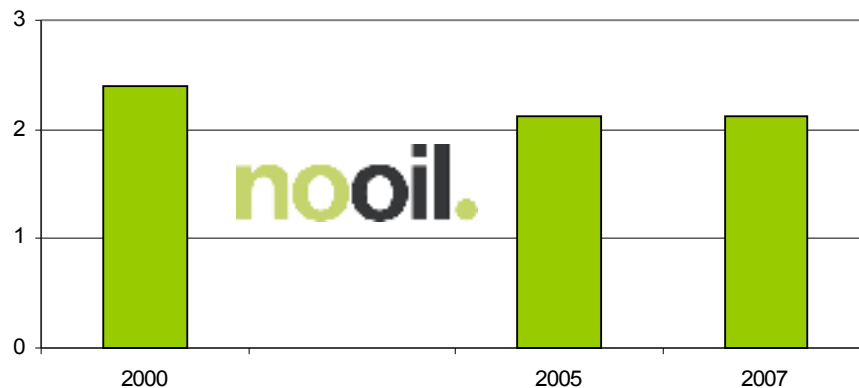
Energysaving, public sector

Education of caretakers

Consultant cheques to SMEs

EPC contracts

Kalmar County - kWh/GRP(EUR)



CHANGES IN CARBON DIOXIDE EMISSIONS
FROM BURNING FOSSIL FUELS SINCE 1990



nooil.

**A FOSSIL FUEL
FREE REGION.**

Kalmar County

carolina.gunnarsson@kalmar.regionforbund.se