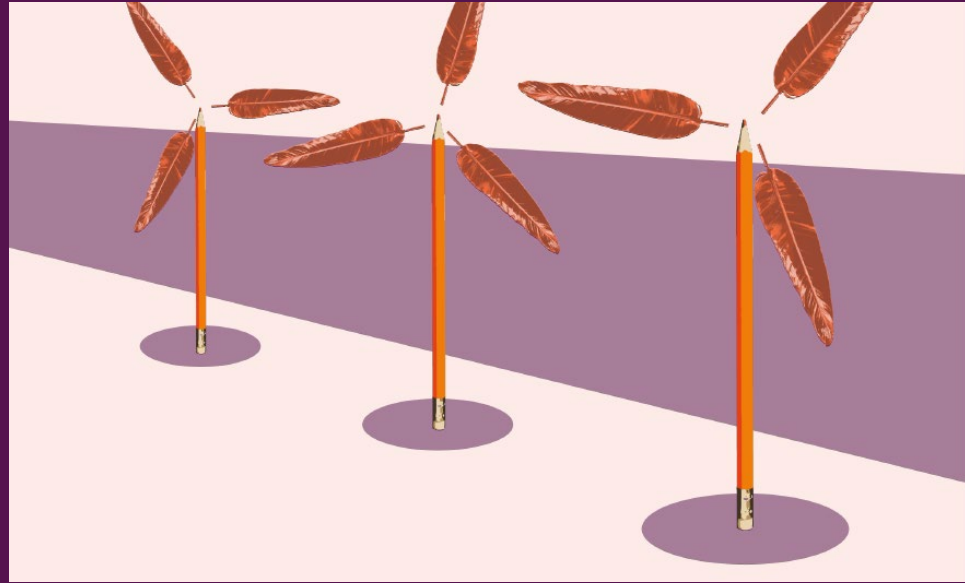


EUCF City of Lund Investment concept

Jon Andersson, 2022-08-17



Climate neutral Lund 2030

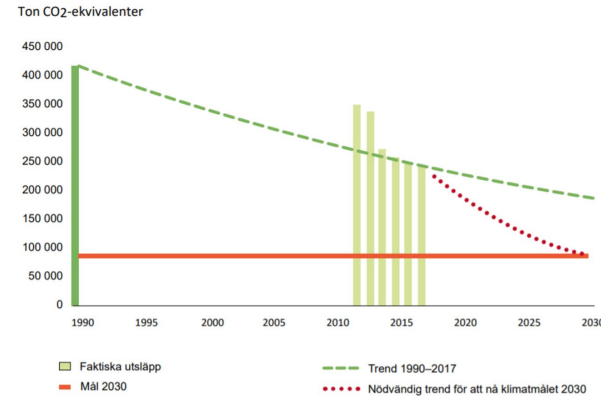
Climate goal

In 2030, Lund will be a climate-neutral and fossil fuel-free city that is adapted to a changing climate.



Climate action and reporting

- SECAP
- Carbon budget
- National climate contract 2030, Viable Cities
- EU Mission 100 Climate Neutral Cities
- Covenant of Mayors 2050, Energy and Climate
- Reporting to CDP – A-listed
- Green bonds framework



Klimatkontrakt 2030

MELLAN LUNDS KOMMUN OCH MYNDIGHETENA
ENERGIMYNDIGHETEN, VINNOVA, FORMAS OCH TILLVÄXTVERKET
SAMT Viable Cities

11 DECEMBER 2020

ViableCities
enligt EU-kommissionens rekommendation



Energiplan för Lunds kommun
Med åtgärder 2019-2026



LUNDS
KOMMUN

Public buildings and building integrated renewables

- Lundafastigheter (Public owned buildings)
 - 450 buildings, 650 000 sqm
 - Schools, offices, sport and culture
 - Energy efficiency and integrated RES



Sustainable urban mobility

- Electric road
- Demonstration of technology in Lund
- Expanding the concept with business actors
- Goods transport



Innovative energy infrastructure

- Concept for DH-system
- Combined system solution
 - geothermal heat
 - Wind power
 - Hydrogen for storage and fuel



Carbon Capture/Negative emissions

- Örtoftaverket, CHP-plant
 - 500 GWh, heat
 - 220 GWh, power
 - BECCS
- Biochar
 - Pyrolysis of organic waste material
 - Improvement of soil, water purification, etc



Summary

- Total investment size: 192 570 000 €
- Energy savings: 53 GWh/y
- RE production: 4 GWh/y
- CO2 savings: 220 000 tCO₂eq/year

