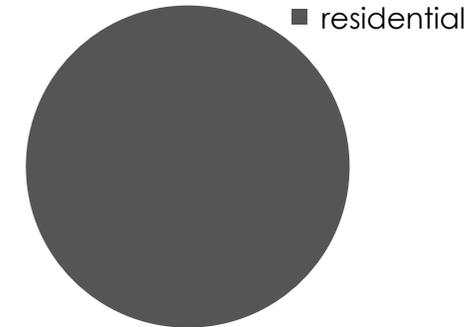


- no. of buildings: 6
- total heated floor area: 276 aptmts

- building typology:



- years of construction:

all buildings constructed 1967

- renovation measures already carried out: yes
- implementation period: 2017-18

Overall aim and objective

To replace district heating with geothermal heat pumps in order to reduce energy use.

Involved stakeholders

The private company Skånska Energilösningar and the housing cooperative Brf Hagalund.

- **What kind of renovation measures were/are being carried out?**
 - renovation of the thermal envelope
 - renovation of the existing heating systems (decentralized in buildings)
 - new central district heating
 - modification of the existing district heating
- **heating demand before renovation: 3100 MWh/a**
- **heating demand after renovation: ca 1000 MWh/a**
- **cooling demand existing: no**

- **energy supply system(s) before the renovation:**
 - heat pump
 - natural gas
 - oil
 - biomass
 - district heating
 - renewables
 - fossil
 - mix
 - other....

- **renewable energy generation before the renovation:**
 - none
 - PV
 - solar thermal
 - other....

- **energy supply system(s) after the renovation:**
 - heat pump
 - natural gas
 - oil
 - biomass
 - district heating
 - renewables
 - fossil
 - mix
 - other....

- **renewable energy generation after the renovation:**
 - none
 - PV
 - solar thermal
 - other....

Why is this intervention worth studying? / Why should it be part of the Case Studies?

It has reduced the energy use for heating significantly and thereby also reduced the cost for the housing cooperative. However, we lack full information of the energy sources for the electricity to the heat pumps and to the district heating to be able to have a broader picture.

further information:

<http://www.hpborrowing.se/2018/05/borrowing-startat-pa-stort-energiprojekt-i-malmo/>