



Energy-savings and Renewable Energy

Residences outside district-heating areas

In the period November 2003 and July 2005 we carried out “Energy check” in 42 residences, especially in 4 villages, outside the district heating areas on Samsøe.

Electricity consumption

The consumption was known in 35 of the residences. The consumption in 24 of these was lower than the average in the county for similar residences, including the occupant mix.

Water consumption

On Samsøe the annual consumption per person is 40 – 50 m³ in average.

In 11 of the residences the annual consumption/person was lower than the average. In 9 residences the consumption corresponded to the average and in 13 residences the annual consumption/person was higher than the average.

Heating consumption

It was possible to calculate the consumption in 33 residences. In 23 of these, the annual net heating consumption was lower than 150 kWh/m² (incl. 7 under 100 kWh/m²/year).

Heating plants & Renewable Energy

In 30 out of 42 residences the primary energy source was heating oil. The oil heating were supplied by RES in shape of wood-burning stoves, bio-boilers and solar heating in 16 residences.

In 7 residences the primary energy was electricity supplied by wood-burning stoves.

5 residences was heated by renewable energy in different combination of wood-burning stoves, bio-boilers, solar and a heat-pump.

Besides many suggestions concerning savings, there was carried out calculations of the consequences of changes from fossil to renewable energy in 14 residences.

