



Welcome to Linz – Now we can

Karl Ochsner (Chairman)

Welcome to Linz

Cultural capital of Europe in 2009

Upper Austria - a country leading in heat pump use

Market share of 50 % with newly built family houses

What happened since our last Forum a year ago in Zurich?

Last year review

Oil-price of over 150 \$ per barrel

Gas supply to Europe was partly cut during the gas crisis

The 20/20/20 goals of Renewables Directive by 2020

Efforts of interest groups within the renewables to position their individual technologies

Our organization, the EHPA had to raise
hands in Brussels

Heat Pumps did not always have
proponents

Risk or hindrance for wider expansion in many cases

Last autumn the commission has
been formulating the roadmap for the
RES-Directive

Most critical issue for long, for the future
development of the heat pump market

Endless processes of discussions with members of EU parliament and energy experts within the commission

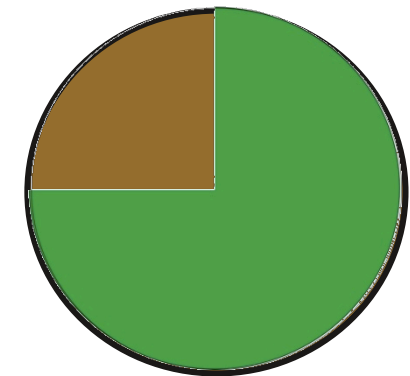
EHPA team managed to have ambient heat being named and thus recognized as renewable energy source

Heat out of the ground, the water and the open air is literarily mentioned as renewable source

Without the contacts and connections which EHPA has been building up during the last years this result would not have been possible.

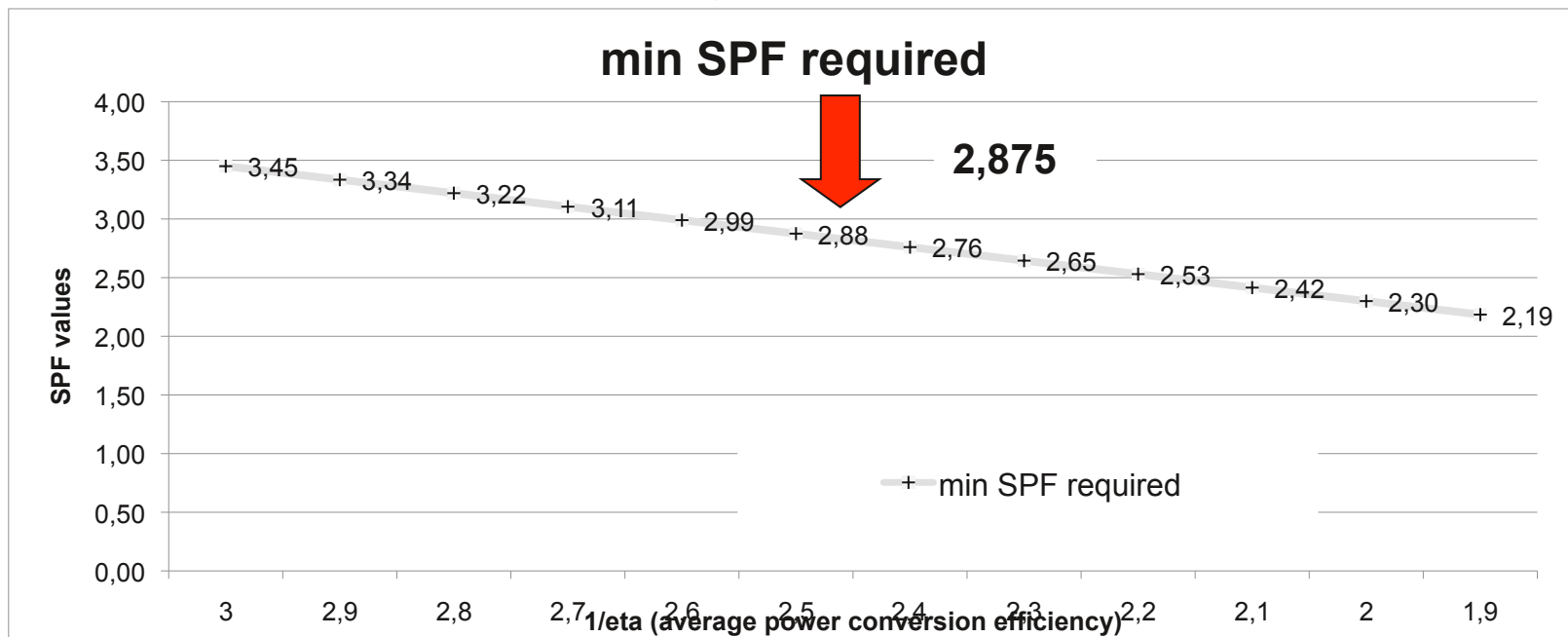
For calculating the amount of energy used by heat pumps the following formula will be applied:

$$E_{RES} = Q_{usable} * (1 - 1/SPF)$$



Thus total source-energy will be taken into account.
Minimum performance :

$$\text{SPF} > 1.15 * 1/\eta$$



On 17.12.2008 the European Parliament
in Straßbourg voted for the roadmap

In the meantime the directive has been
accepted by the council

Now we can be sure that discrimination of ambient heat and heat pump technology would no longer be tolerated in European member states

Member states will have to adopt this future-oriented technology in the national action-plans for renewable energy sources.

Now member states can be sure to meet
the ambitious goals of the RES-Directive.
– a benefit for society and policy-makers!

Now it's the term of the national heat pump associations to assist the national policy makers to incorporate ambient heat in their laws.

Main activities of EHPA in 2009:

- Energy Using Products Directive
- Building Directive



Thank you for your attention!