

## ANNEX VII

### Accounting of energy from heat pumps

The amount of aerothermal, geothermal or hydrothermal energy captured by heat pumps to be considered energy from renewable sources for the purposes of this Directive,  $E_{RES}$ , shall be calculated in accordance with the following formula:

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

where

- $Q_{usable}$  = the estimated total usable heat delivered by heat pumps fulfilling the criteria referred to in Article 5(4), implemented as follows: Only heat pumps for which  $SPF > 1,15 * 1/\eta$  shall be taken into account,
- $SPF$  = the estimated average seasonal performance factor for those heat pumps,
- $\eta$  is the ratio between total gross production of electricity and the primary energy consumption for electricity production and shall be calculated as an EU average based on Eurostat data.

By 1 January 2013, the Commission shall establish guidelines on how Member States are to estimate the values of  $Q_{usable}$  and  $SPF$  for the different heat pump technologies and applications, taking into consideration differences in climatic conditions, especially very cold climates.