THE POTENTIAL HEATING AND COOLING TECHNOLOGIES IN HOUSEHOLDS IN THE EU

CURRENT USE OF ENERGY CARRIERS for heating and cooling (2015)

- Electricity: 69%
- Biomass: 11%
- District heating: 10%
- Solar heating: 9%
- Others (non-renewable): 1%

POSSIBLE FUTURE USE OF ENERGY CARRIERS for heating and cooling (2050)

- Heat pumps: 80%
- District heating: 11%
- Solar heating: 7%
- Local biomass: 11%
- Fossil fuels: 2%

89% of the total need for electricity of heat pumps can be generated by prosumers.

41% of the electricity needed for heat pumps can directly be used in the heat pumps, without use of batteries or the electricity grid.

This could increase to 67% if batteries are used.

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