

Living with low and zero carbon technology

Solar panels, Heat pumps, MVHR

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What you need to know

- What does it do?
- How do I know it is working
- Is there anything I should be doing/not doing?
- Should it really be making that noise?
- What maintenance does it need?

Solar PV panels

- How do I know it is working?
 - Check the generation meter
- What should I do?
 - Use the power when you have it
 - Possibly heat your hot water t



Hot water panels

Set the backup heating timer for early evening



Hot water timer set for the evening



Free heat from the sun



Top up with panel in the evening
and-for heat in the evening



Hot water timer set for the morning



Free heat from the sun but the tank is already hot



- Check the hot water tank is heating up
- Service every 5 years (?)

Heat pumps

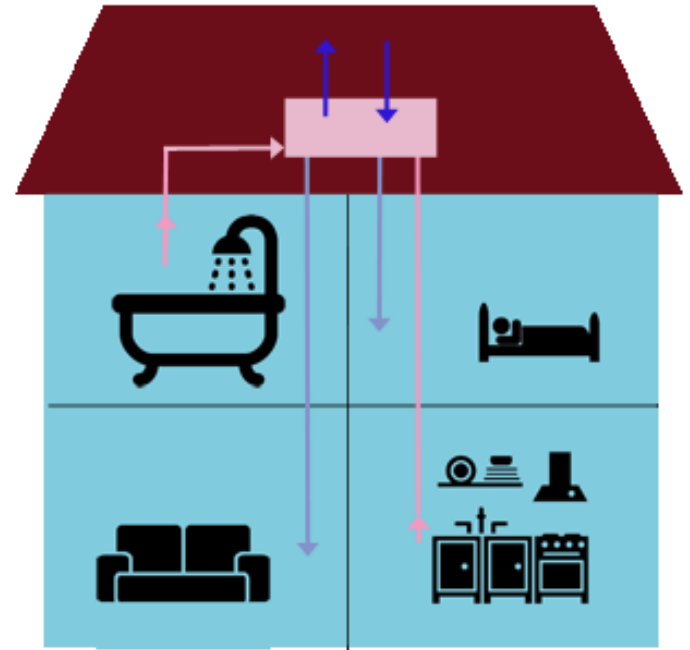
- Feel the radiators/floor
 - Warm but not hot
 - Keep them clear
- Efficiency depends on the circulation temperature, not the thermostat (except for high temperature heat pumps).
- Auxiliary heaters should only come on rarely
- Keep the fans clear and the de-icer drain
- Regular service



Use a book to
test
underfloor
heating

MVHR

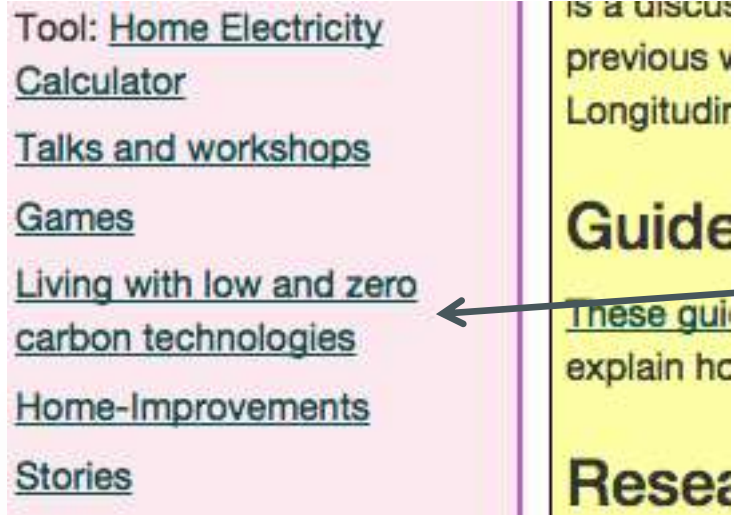
- Can you hear it working?
- Do the rooms feel stuffy?
- Keep windows closed
- Use boost setting for extra throughput e.g. wet paint or new furniture
- Summer time: turn off /use for cooling
- ***** Clean/replace the filters ******



The End

For more information:

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Your feedback
and
suggestions
will be
appreciated.