

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



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



Hot water timer set for the morning



Free heat from the sun but the tank is already hot



Heat pumps

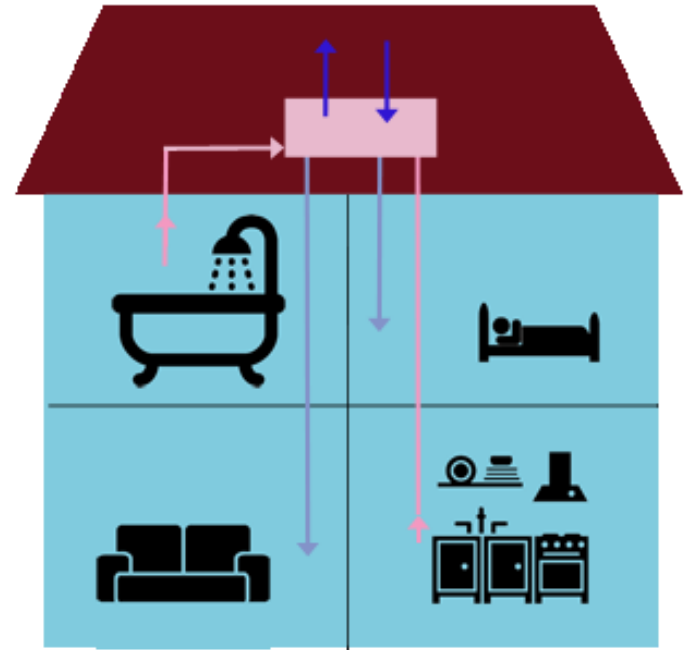
- Feel the radiators/floor
 - Warm but not hot
 - Keep them clear
- Efficiency depends on the circulation temperature, not the thermostat (except for high temperature heat pumps).
- Auxiliary heaters should only come on rarely
- Keep the fans clear and the de-icer drain
- Regular service



Use a book to
test
underfloor
heating

MVHR

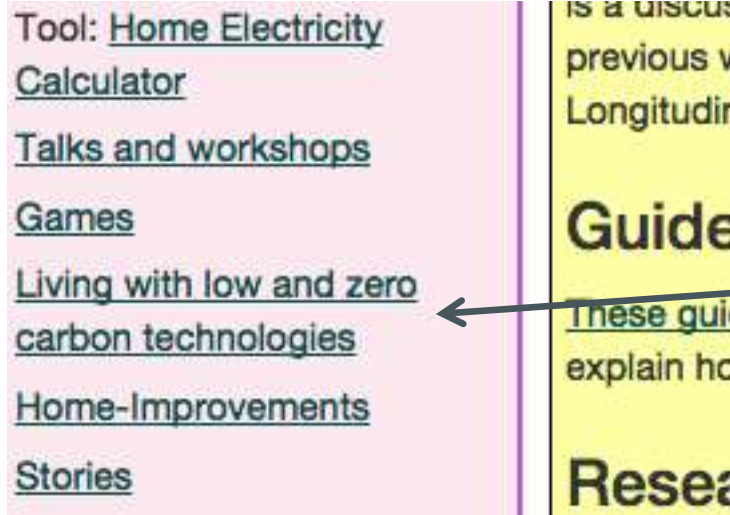
- Can you hear it working?
- Do the rooms feel stuffy?
- Keep windows closed
- Use boost setting for extra throughput e.g. wet paint or new furniture
- Summer time: turn off /use for cooling
- ***** Clean/replace the filters ******



The End

For more information:

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Your feedback
and
suggestions
will be
appreciated.