

# Tips & tricks to reduce energy poverty

## Wood Heating

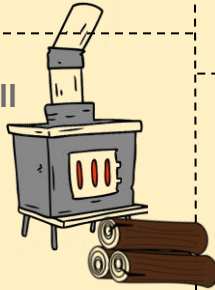
When buying a furnace, select one that fits the size of the room.

Regularly inspect & clean the chimney.



Make sure that there is no exhaust gas leakage into the living space.

Don't overfill the furnace with wood.



Consider stovepipe heat reclaim radiators to increase heat transfer to the room.

Close air intake whenever the furnace is not in use to avoid heat loss through the chimney.

## Gas/ Central Heating

Reduce thermostat set points for unused rooms.

Insulate hot water piping, especially if passing through "cold" areas.

Service the system regularly.

Use night/'cheap' electricity for water heaters.

Avoid excessively low water heater temperatures to prevent the growth of Legionella bacteria.

Remove lime scale (especially in case of hard water) from electric heating elements to increase efficiency.

## Sanitary Hot Water

Check pipe fittings - faulty water mixers & shower heads cause hot water leakages.

Take a shower instead of a bath.





If the existing water heater is poorly insulated, consider additional insulation.


Limit water heater temperature - around 60C is enough for most household needs.

The size of the water heater should match the needs of the household - water heaters larger than necessary are less efficient.

# Insulation & Building Envelope

Use insulation + reflective pads between heating elements & the wall.	Utilize window blinds for passive energy efficiency.	Use rubber seals on doors/ windows to eliminate unwanted airflow.
Thick carpets can reduce heat loss through the floors. 	Look for mold & damp walls to determine cold spots on the walls – consider additional insulation around these spots.	Close blinds during the night to reduce heat loss through the windows. 
Open blinds to allow the sun to warm up the rooms.		

# Electricity

Use socket timers to heat only rooms that are in use at certain part of the day. 	Use night/'cheap' electricity tariff for heating, especially for electric thermal storage heaters & electric water heaters.	Keep heating elements clean & free of airflow obstruction.
		Use insulation & reflective pads between heating element & the wall.

# Lighting

Turn off the lights in unoccupied rooms.	Use natural lighting when possible. 	Correct light fixture can reduce power required for lighting a room.
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# Home Appliances

Defrost refrigerators regularly.	Don't set refrigerator setpoint too low – suggested values are 4C for refrigerators & -18C for freezers.	When buying a new appliance, pay attention to the appliance energy class.
Consider using lower water temperature while doing laundry.	Check if the refrigerator doors are airtight.	Use laundry washing machines & dryers during low electricity tariff periods.
Keep refrigerators away from heat sources & leave enough empty space behind them to allow efficient heat rejection.	Consider natural drying instead of electric dryer. 