

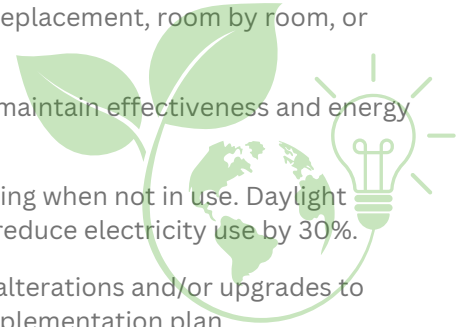


# Energy Efficiency Tips

The Notts LMC Green Group want to share ideas on how practices can improve energy efficiency in practice

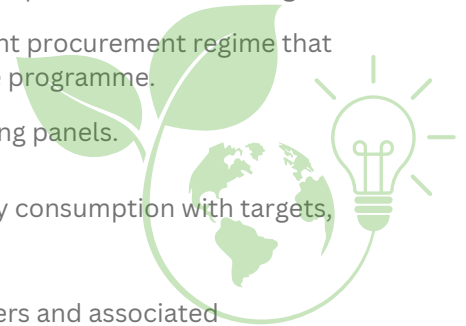
## Lighting

- Replace existing lighting with LED type. This can be done as an entire replacement, room by room, or when existing lighting fails.
- Implement a programme of planned lighting systems maintenance to maintain effectiveness and energy efficiency.
- Install daylight and motion sensor that will automatically turn off lighting when not in use. Daylight sensors can reduce energy use by up to 40% and motion sensors can reduce electricity use by 30%.
- Engage experts to review the building lighting strategies and propose alterations and/or upgrades to daylighting provisions, luminaries and their control systems and an implementation plan.



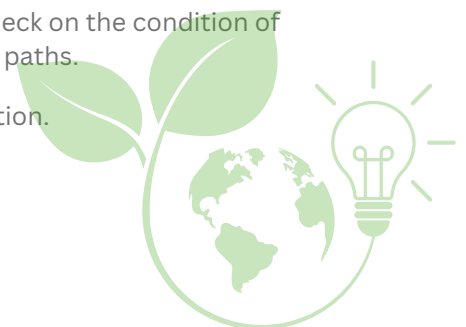
## Energy

- Consider utilising web based energy analysis tools that enable building managers to measure their energy consumption and assess their saving potential. An example is <http://www.smeasure.org.uk>
- Consider with experts implementation of an energy efficient equipment procurement regime that will upgrade existing equipment and renew in a planned cost-effective programme.
- Consider installing building mounted photovoltaic electricity generating panels.
- Consider engaging with building users to economise equipment energy consumption with targets, guidance on their achievement and incentives.
- Enable power save settings and power down management on computers and associated equipment.



## Insulation

- Consider adjusting existing, or installing new, automatic external door closers, or consider adopting revolving door solutions.
- Consider how building fabric air tightness could be improved, for example sealing, draught stripping and closing off unused ventilation openings, chimneys.
- Consider implementing regular inspections of the building fabric to check on the condition of insulation and sealing measures and removal of accidental ventilation paths.
- Consider constructing draught lobbies to reduce unwanted air infiltration.
- Consider introducing or improving loft insulation.
- Consider introducing or improving cavity wall insulation.
- Consider replacing or improving glazing.





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## Heating & Ventilation

- Ensure the automatic closers on the doors are able to function correctly to prevent unnecessary loss of heat and prevent drafts.
- Ensure natural ventilation flow is operating as designed, i.e. ensure window, vents and grilles are operable and free from obstructions and partitions do not prevent cross flow.
- Consider reviewing the heating schedule, so the building reaches 'Set Point' closer to when the practice is open.
- Consider whether staff can change the thermostat on radiators and if they are changed back when needed. Stickers/reminders next to thermostat may help with this.
- Look to prevent obstructions to free flowing air around radiators.
- Consider fitting zone controls to reduce over and under heating where structure, orientation, occupation or emitters have different characteristics.
- Consider reviewing the comms-room air conditioning, consider mechanical ventilation/extraction as alternative.
- Engage experts to propose and set up an air conditioning servicing and maintenance regime and implement it.
- Engage experts to survey the condition of the heating systems and propose remedial works.
- Seek to minimise simultaneous operation of heating and cooling systems.
- Consider installing weather compensator controls on heating and cooling systems.
- Engage experts to review overall heating strategy and propose an investment programme for upgrading and/or switching to alternative solutions.
- Consider applying reflective coating to windows and/or fit shading devices to reduce unwanted solar gain.
- Boiler plant should be regularly tested and adjusted by experts for optimum operating efficiency.
- Engage experts to propose specific measures to reduce hot water wastage and plan to carry this out.

