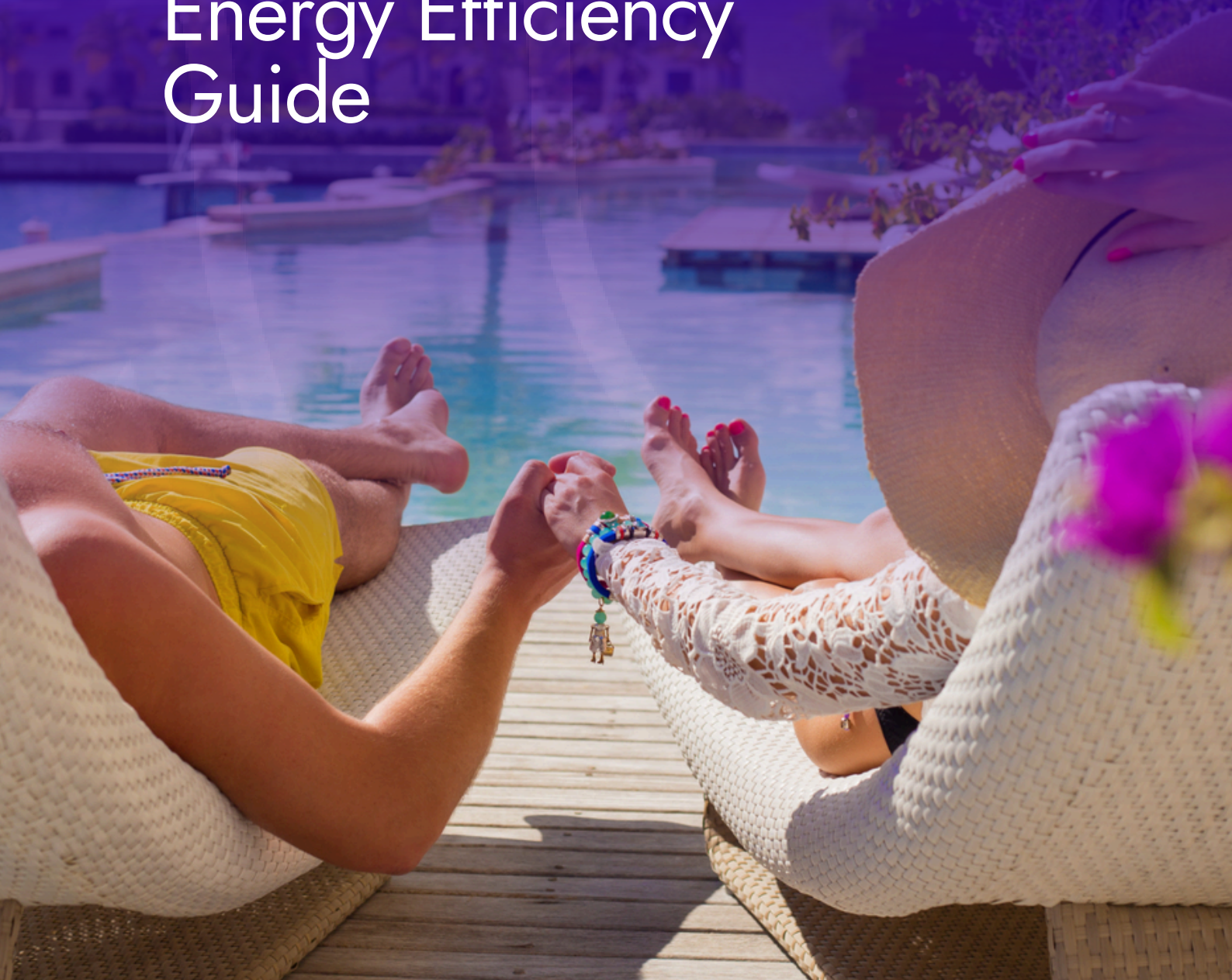




HOTELS

Energy Efficiency
Guide



Cutting carbon without cutting comfort.

Why It Matters

Energy costs are a hidden room charge. Whether it's hot water, hallway lights, or background heating ticking over all night – inefficiency eats into your bottom line. With net zero targets tightening and guests increasingly eco-conscious, improving your energy profile isn't just good housekeeping – it's a competitive edge.

Where the Energy Goes

- **Heating and Hot Water** – Guest comfort drives demand
- **Lighting** – Corridors, lobbies, bathrooms, and bedside lamps
- **Ventilation and Cooling** – Rooms, kitchens, lounges
- **Laundry and Facilities** – Often high volume, all-day operation
- **Empty Rooms** – One of the biggest hidden inefficiencies



Smart Moves That Don't Disrupt!

- **Zoned heating and cooling**
 - Use different temperature settings for guest rooms, communal areas, and back-of-house zones. Don't heat the whole hotel the same.
- **Dead band controls**
 - Avoid heating and cooling running at the same time by setting a 'dead zone' (e.g. heat off at 19°C, cooling doesn't kick in until 24°C).
- **Night-time temperature setback**
 - Reduce corridor and lounge heating overnight when guests are in rooms. Most won't notice — but your bill will.
- **Occupancy-based controls**
 - Key card systems or occupancy sensors can ensure lights and HVAC only run when rooms are actually in use.
- **Regular plant checks**
 - A poorly serviced boiler can be 10–15% less efficient. Make maintenance part of your cost-saving plan, not just a safety box-tick.



**ENERGY
EFFICIENCY**



**GUEST
COMFORT**

**WELL-BALANCED
ROOM
TEMPERATURES**



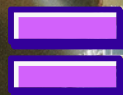
**BETTER
REVIEWS**

**CLEAN AIR AND
QUIETER SYSTEMS**



**IMPROVED
SLEEP
SCORES**

**CLEAR
SUSTAINABILITY
MESSAGING**



**STRONGER
BRAND
PERCEPTION**



Long-Term Upgrades with Big Impact

- **Upgrade to modern boilers, heat pumps or BMS**
 - Building Management Systems let you control zones centrally, schedule more accurately, and spot anomalies early.
- **Insulate building fabric**
 - Older B&Bs and townhouses bleed heat. Insulating walls, pipes and lofts can pay back fast — especially in winter.
- **Fit triple glazing in key zones**
 - Rooms near roads, exposed top floors or cold-facing elevations benefit most.
- **Switch to efficient water heating**
 - Consider solar pre-heating, low-flow shower heads and insulated cylinders. Just 5°C too hot wastes more than you think.
- **Laundry improvements**
 - If in-house, upgrade to energy-efficient commercial washers and consider heat-recovery systems. If outsourced, ask your supplier how they manage energy.



Behaviour: Small Fixes, Big Difference

**Staff should report
overheated rooms or
faulty thermostats**

**Housekeeping to turn
off unused equipment
in vacant rooms**

**Maintenance to check
door seals, TRVs and
extractor systems**

**Encourage guests to
reuse towels – but
only if the messaging
feels genuine**



YOUR CHECKLIST

Room Thermostats

Fit and educate staff on correct use

Motion sensors

for hallway lights

Low energy lighting

in bedrooms, bathrooms & signage

Walk-arounds

find draughts and hot spots

HVAC Filters

as well as door seals and pipe insulation monthly

Publisise

guests do notice your efforts



More from PE

PE offers bespoke advice for hotels, B&Bs and serviced apartments – from quick audits to full-site optimisation.

We help you find the savings that don't impact guest experience – and make your energy use a selling point.

We can offer 1-1 consultancy on sustainability where we can deep dive your business.

To find out more please contact us!

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