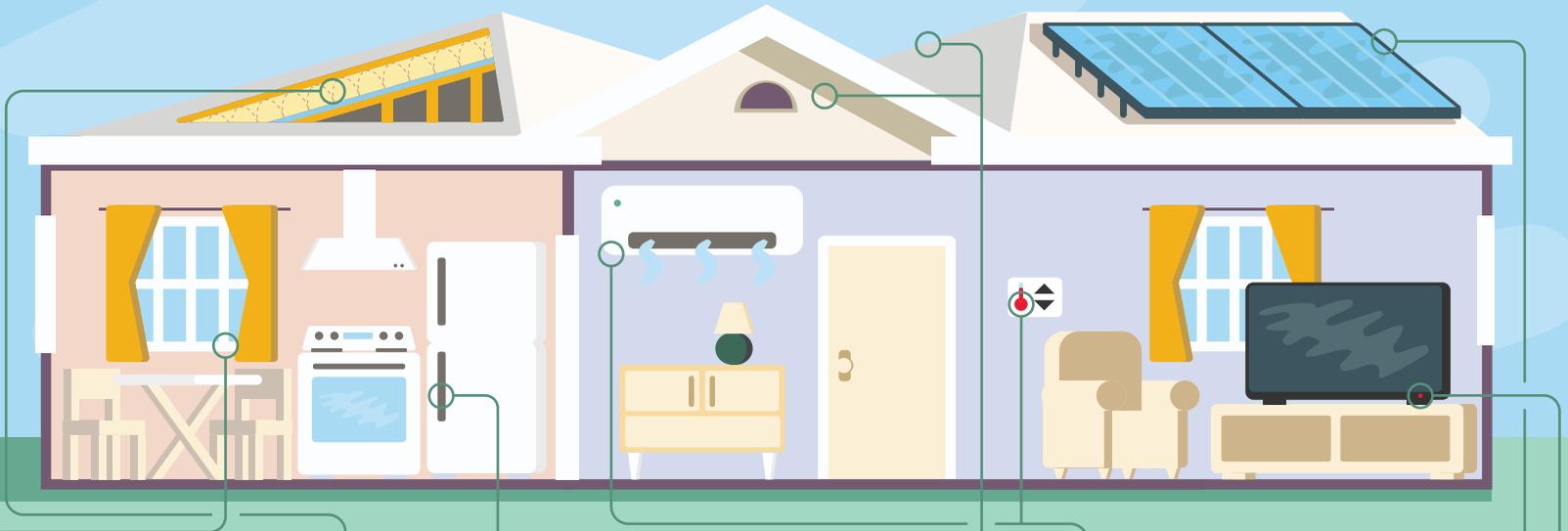




Do you want to lower energy costs in your home?

Here are ways to **\$ave** on your electricity bills and make your home energy efficient.



Roof insulation



Upgrading your roof insulation to an R-value of R-30 can significantly reduce your cooling needs.

Light-coloured exterior finish



White or light-coloured (high-albedo) roofing materials and exterior wall finish help keep your home cooler and reduce the need for air conditioning.

Solar photovoltaic panels



Install solar panels to earn electricity bill credits, or self-consume to reduce energy costs (depending on the utility programme).

Close all windows and doors



Close windows and doors properly when running your AC, and close blinds in rooms exposed to direct sunlight. Consider applying window tinting.

Seal your appliances



Make sure your refrigerator and freezer are well sealed and maintained.

Turn off electronics



Fully turn off your TV, screens, and computers when not in use (they release heat and increase air-conditioning needs).

Air conditioning efficiency



Upgrade to high-efficiency inverter AC units, with a SEER of 16 or above.

Thermostat control



While at home, increase your AC setpoint to 78°F or the highest comfortable temperature. If your unit comes with a programmable thermostat or controller, schedule different setpoints for day and nighttime.

Filters



Change your air conditioning filters every 1-3 months.

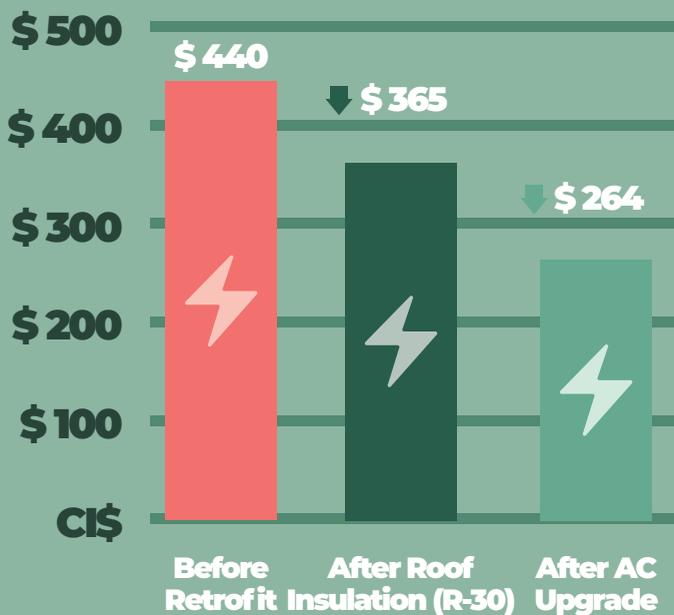
See the last page of this leaflet for more energy efficiency tips!



How homeowners in the Cayman Islands are slashing their energy bills

Average savings achieved by some homeowners

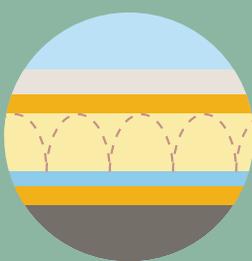
Impacts on monthly electricity bills after retrofits for some Caymanian homes



*Savings estimated based on data collected from homes participating in the Residential Buildings Energy Efficiency Programme.

Key steps for reducing the energy cost of your home

- 01** Increase AC temperature by a few degrees
 
- 02** If possible, schedule day and nighttime temperatures on your programmable thermostat
 
- 03** Fully turn off electronics when not in use (avoid leaving in standby)
 
- 04** Close drapes in rooms exposed to direct sunlight and close windows when running AC
 
- 05** Verify that refrigerators and freezers are properly sealed and maintained, fix if needed
 
- 06** Change AC filter regularly
 
- 07** Light-coloured exterior house finish and roofing
 
- 08** Insulate your roof with R-30 insulation
 
- 09** Upgrade your AC for a more energy efficient model
 
- 10** Install solar panels and connect to the utility grid
 



Roof Insulation Up to CI\$105 / month

Insulating their roof with open-cell spray-foam (R-30) resulted in savings between CI\$55 and CI\$105



High-Efficiency Air Conditioning Up to CI\$125 / month

Upgrading to high-efficiency air conditioning (from SEER 13 to 20) resulted in savings between CI\$65 and CI\$125

See the last page of this leaflet for more energy efficiency tips!

Planning to build your new house?

Here are energy efficient features to look or ask for when buying a newly constructed home to **save on your future electricity bills**

Efficient AC & ventilation



Opt for central or wall-mounted AC systems with high seasonal energy efficiency ratings (SEER) and ensure they are properly sized for your home to avoid improper cooling, increased wear, and higher costs. Use round, rigid ducts and well-planned ducting layouts to enhance overall energy efficiency.

Renewable energy



Consider rooftop solar PV panels and solar water heaters to harness clean energy. These systems cut electricity expenses and reduce your environmental footprint.

Hurricane-rated roof overhangs

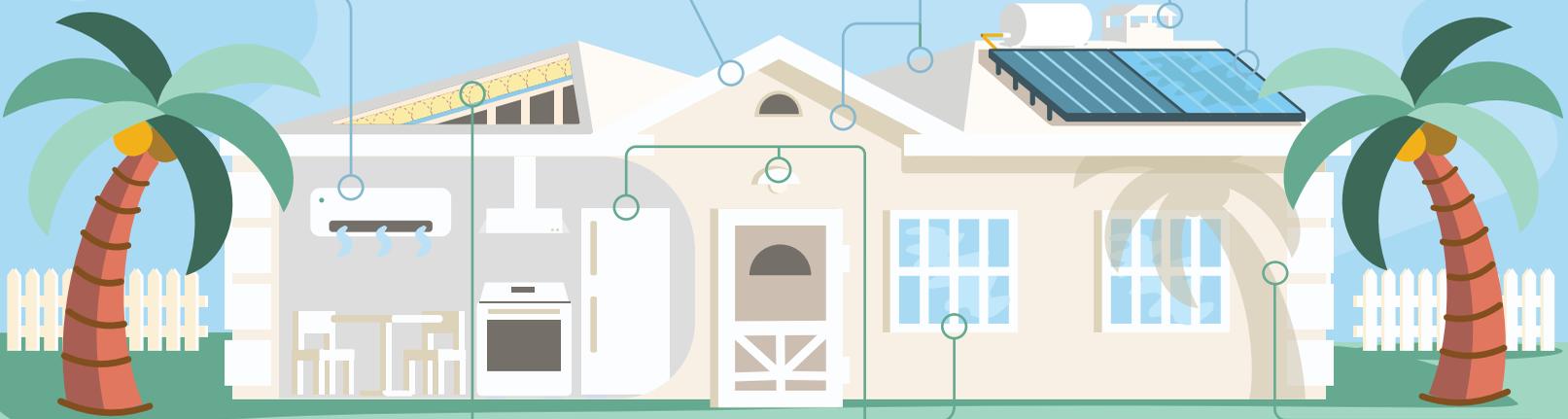


Install hurricane-rated roof overhangs, awnings, and screens, or grow shade-providing native vegetation to block direct sunlight. Proper shading, especially on the east and west sides lowers indoor temperatures and glare.

Light-coloured exterior finish



White or light-coloured (high-albedo) roofing materials and exterior wall finish help keep your home cooler and reduce the need for air conditioning.



Well-insulated envelope



Sufficiently insulate your roof (R-30) and walls (R-15).

Efficient lighting & equipment



Select energy efficient LED bulbs and appliances (such as those with the ENERGY STAR® label). When shopping, look for higher quality and longer-lasting equipment to reduce energy consumption.

Insulated window frames & reflective glass



Choose windows and doors with well-insulated frames, as well as low-emissivity (high-reflectivity) or tinted glass.

House orientation & window placement



Position your home with its longer sides facing north-south to minimize heat gain from low-angle sunlight. Place most windows on north and south walls for easier shading and improved comfort.

Sustainable materials



Choose sustainable and durable materials suited for hot and humid conditions. Where possible, select renewable or recycled materials to reduce the environmental footprint of the building.

Looking to buy or rent a condo?

Most of these tips are also applicable!

Direct your architect, engineer or contractor to the detailed energy efficiency guidelines published by the Cayman Islands Government.

(see link on the last page)



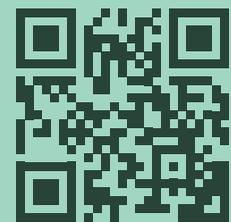
More Energy Efficiency Tips

- When selecting an air-conditioning (AC) unit, ask your supplier about the Seasonal Energy Efficiency Rating (SEER); choose AC units with SEER values of 16 or higher. Note that some models may use other types of energy efficiency ratings (such as the SEER2, EER or CEER).
- When choosing an AC unit for a new home or replacing an existing unit, make sure that the unit is properly sized. Oversized or undersized units can lead to poor humidity control, higher energy costs, and increased wear and tear.
- Insulation levels are expressed in R-values; the higher the R-values, the better the insulation will be at resisting heat transfer between outdoor air and your attic or home.
- When you are home, increasing the setpoint temperature on your AC can help reduce energy costs significantly; try setting it at 78°F or experiment to find the highest temperature at which you are comfortable. If available, set the fan switch to “AUTO”.
- Ensure all doors and windows are well-sealed to prevent hot and humid air from leaking into your home when they are closed. Consider installing weatherstripping for improved sealing.
- When you leave your home for the day, set your AC temperature to 85°F (or turn it off if you leave for extended periods or if that is better suited for your AC unit). Doing this will increase overall energy efficiency, lower your electricity costs for air conditioning, extend the lifespan of your AC unit.
- When installing a new AC unit or performing maintenance on an existing unit, have your AC technician check for mold in your home.
- If you are replacing appliances, select high-efficiency models such as those labelled ENERGY STAR®.
- Consider purchasing a smart or programmable thermostat to schedule AC setpoints according to your daily routine.

Happy savings!

Follow this link or QR Code for more information on:

- ⚡ **Energy efficiency initiatives and programmes offered by the Ministry of Sustainability & Climate Resilience and Wellness**
- ⚡ **The Energy Efficiency Guidelines for building designers and contractors published by the CI Government**



gov.ky/energy

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