

Case study – Tudor House

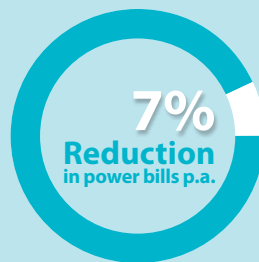


Insulation saves on cost and temperatures

Tudor House has saved \$476 a year on power bills by installing insulation, with assistance from the Energy Efficiency for Small Business Program.

Energy saving solutions

- Installed insulation batts in the walls and roof space

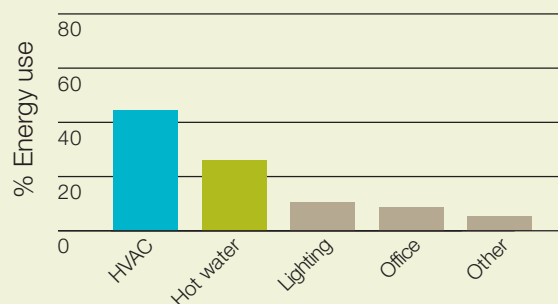


Power bill cut by \$476 p.a.

Energy use profile

An energy assessment revealed that heating, ventilation and air-conditioning was the main energy user at the motel, followed by hot water.

Top 5 energy uses



44.4%
Heating, ventilation
and air-conditioning

26.1%
Hot water

In brief

Location: New England region NSW

Built in 1936, Tudor House is one of Glen Innes' historic homes and a significant landmark in the New England region. The two storey building has double-brick on the ground floor and rendered fibro upstairs.

Offering AAA Tourism rated 4.5 Star accommodation, the motel offers five luxury suites ranging from Queen to King Spa rooms.

With temperatures in Glen Innes reaching over 40 degrees Celsius in summer, owner Jenny Carne wanted to reduce the reliance on air-conditioning, whilst maintaining guest comfort.

'Since installing the insulation there is a real improvement on the inside comfort of the house – I'm really happy with the result.'

Jenny Carne, Owner

Tudor House's story

Receiving a \$1400 subsidy, owner Jenny Carne was able to make a start on implementing her Energy Action Plan by focusing on insulation.

Installing insulation in the hotel walls and ceiling has assisted in reducing the demand on air-conditioning.

'On hot days, when temperatures can get to 40 degrees Celsius and above, I would turn the air-conditioning on at around lunch time. Now when the hotel is vacant or when guests have gone out for the day, the air-conditioning is turned off,' said Jenny.

'Since installing the insulation there is a real improvement on the inside comfort of the house – I'm really happy with the result.'

With energy use already cut by 7 per cent, Jenny plans to upgrade incandescent lamps with LED downlights in 11 rooms, which will reduce lighting energy use by around 78 per cent per room.

Jenny says the next step for Tudor House is to tackle the hot water systems.

'Currently we run two electric hot water systems which use a lot of energy. I plan to replace these with solar hot water systems.'

'I wanted to make the changes to the hotel because I knew I could save energy and money. I've also negotiated a special tariff with my energy provider, which gives me a cut price on weekends and a reduced rate after 10 pm.'

Your next step

To find out how your business can access support contact the Energy Saver team

Email energysaver@environment.nsw.gov.au

Call 1300 361 967

Visit environment.nsw.gov.au/business