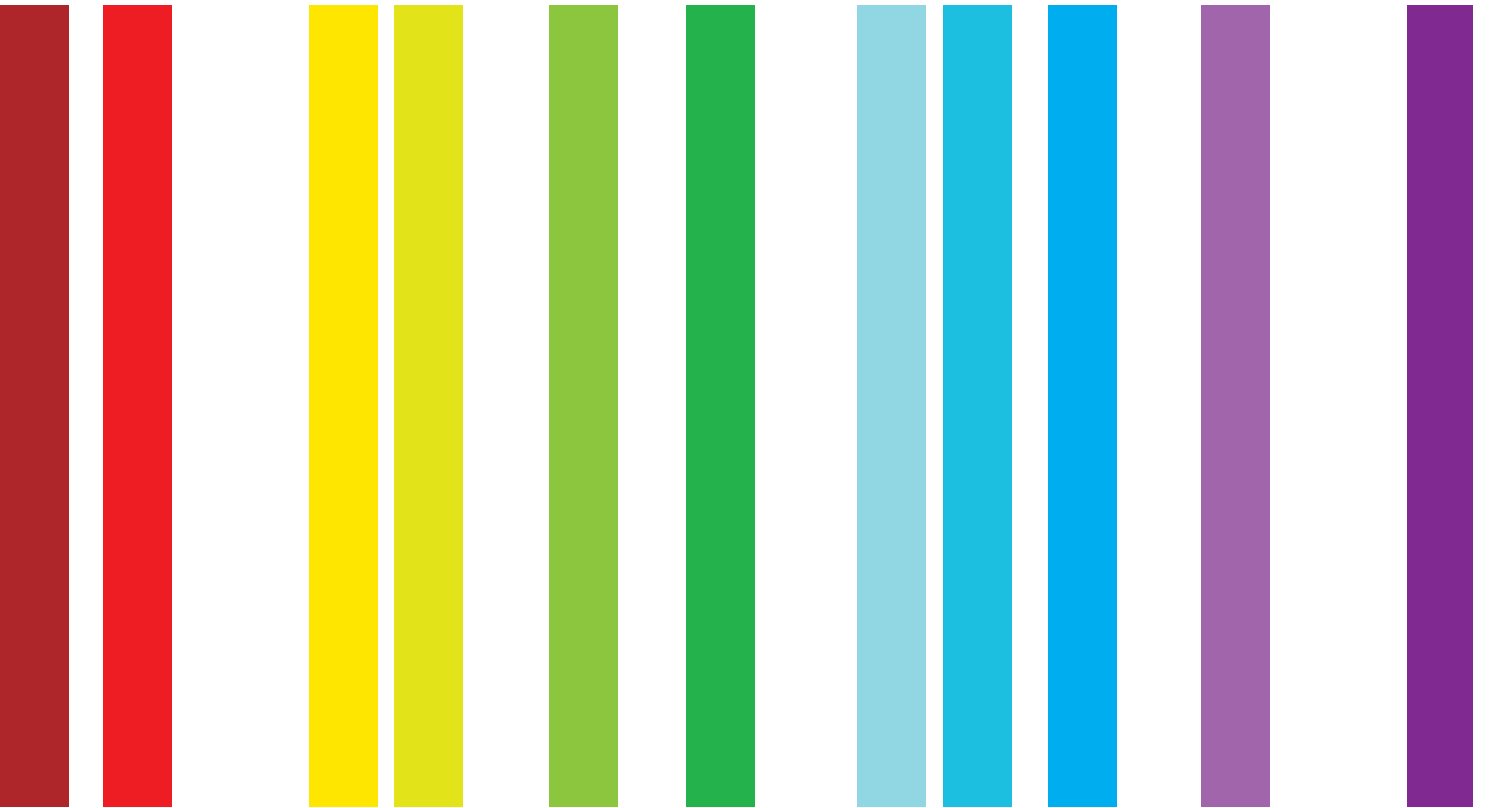




ACCOMMODATION EMISSIONS REPORT for Club KI 2009



Carbon
Planet



Accommodation Emissions



Carbon Planet estimated the Greenhouse Gas (GHG) emissions related to an average holiday house within Australia in order to provide an offset option for Club KI. Accommodation emissions are calculated in tonnes of carbon dioxide equivalents (tCO₂-e) emitted per night of occupancy.

In determining the emissions for an average holiday house within Australia, Carbon Planet interviewed a few owners and determined that although energy consumption within a holiday house was higher than an average house during periods of usage, the intermittent usage of these properties meant that annual energy consumption was comparable to an average residential house. The annual tCO₂-e emitted for an average residential property within South Australia was determined to be 6.7 tCO₂-e.¹

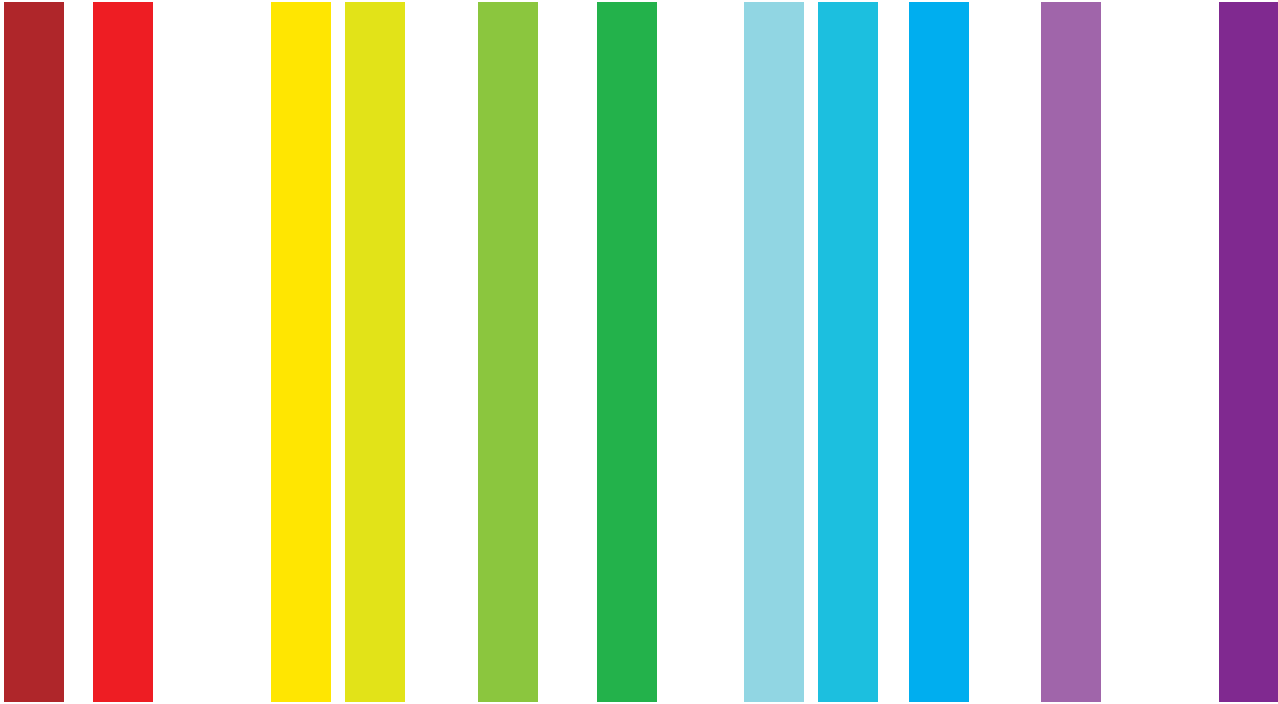
Occupancy rate trends show a seasonal variation (see Figure 1 below), however for the purposes of this report we have used the most recent quarter as an indicative rate. For holiday flats, units and houses, the unit occupancy rate was 49.6% in the March quarter 2009.² This equates to an estimated emission of 37 kg CO₂-e per occupancy night.



Figure 1: Occupancy rate data for tourist accommodation from the Australian Bureau of Statistics ²

¹ Harrington, L., & Foster, R. (1999) *Australian Residential Building Sector Greenhouse Gas Emissions 1990 - 2010*. Australia: AGO.

² Australian Bureau of Statistics (2009) 8635.0 - *Tourist Accommodation, Australia, Jun 2009 Quality Declaration*. Retrieved 22 December 2009, from [http://abs.gov.au/ausstats/abs@.nsf/mf/8635.0/](http://abs.gov.au/ausstats/abs@.nsf/mf/8635.0)
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