

ANNUAL YIELD FROM (9 x 405 Wp panels)

West facing 15% allowed deduction = 344 Wp

$$9 \times 344 = 3,096\text{W}$$

Taking into account the average annual amount of sunshine recorded in the Penrith area which is 1,237hours.

$$\frac{1237\text{h} \times 344\text{W} \times 9}{1000} = 3,830 \text{ kWh/year}$$

This would cover the annual requirements for electric water heating in this building.