

# Estimated Annual Hot Water Energy Cost

These annual energy cost figures are provided as a guide only. Your actual usage may be considerably more or less than the figures shown.

The estimates are based on hot water usage of 50 litres per person per day at a temperature of 60 degrees. This will almost certainly be higher, for example, if you don't have AAA shower roses, if you have more than one shower per day, or if you have teenagers. For example, for a shower without a flow restrictor, hot water usage could be 10 litres or more per minute, so a 5 minute shower will use 50 litres of hot water. This assumes a 50/50 mix of hot and cold water. Water restrictors could bring this down to 3 to 6 litres/minute. You then need to consider the other hot water usage during a day such as washing clothes, washing/rinsing dishes, washing hands, cooking, spa usage, etc. You also need to include the water that is used while you wait for hot water to reach the tap.

If you believe that your hot water usage is higher than average, you should add one or more people. That is, the hot water usage for your 4 person family might be closer to 5, 6 or 8 people on the table below. If you think that your hot water usage is lower than average you should deduct people. That is, the hot water usage of your 4 person family might be closer to 2 or 3 people on the table below.

## Standard Tariff – Tariff 11

Average Number of People	2	3	4	5	6	8
Average Hot Water Usage Per Day	100 litres	150 litres	200 litres	250 litres	300 litres	400 litres
Electric	\$432	\$614	\$796	\$978	\$1160	\$1489
Gas - LPG Storage	\$449	\$674	\$898	\$1123	\$1348	\$1797
Gas - Natural with 5 Star Instantaneous	\$190	\$285	\$380	\$475	\$570	\$760
Conergy Solar Roof Mounted or Split - 300 litre with 2 panels *	\$42	\$65	\$89	\$283	\$461	\$785
Conergy Solar Split System - 400 litre with 3 panels *	\$39	\$52	\$79	\$143	\$260	\$340
Siddons or Stiebel Eltron Heat Pump - no boost element **	\$108	\$154	\$199	\$244	\$290	\$372

## Tariff 33/Off Peak 2

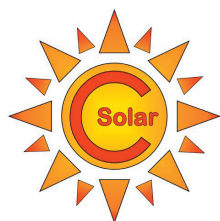
Average Number of People	2	3	4	5	6	8
Average Hot Water Usage Per Day	100 litres	150 litres	200 litres	250 litres	300 litres	400 litres
Electric	\$260	\$369	\$478	\$588	\$697	\$895
Gas - LPG Storage	\$449	\$674	\$898	\$1123	\$1348	\$1797
Gas - Natural with 5 Star Instantaneous	\$190	\$285	\$380	\$475	\$570	\$760
Conergy Solar Roof Mounted or Split - 300 litre with 2 panels *	\$26	\$39	\$53	\$170	\$277	\$471
Conergy Solar Split System - 400 litre with 3 panels *	\$24	\$32	\$47	\$86	\$156	\$203
Siddons or Stiebel Eltron Heat Pump - no boost element **	\$65	\$92	\$120	\$147	\$174	\$224

\* Estimates for solar options assume Conergy F20LC panels on a normal pitched roof (22 degrees) facing between north-east and north-west, and that the system is not over-boosted by more than 10%. Actual costs will vary considerably if the roof is facing a different direction, is a different pitch, and/or if the boost switch is not properly managed. Energy costs will be even lower if Conergy black chrome panels are installed.

\*\* Many heat pumps have electric booster elements which you can't control. The running costs will be considerably higher for this type of heat pump. The above estimates assume a heat pump without a booster element, such as Siddons Solarstream or Stiebel Eltron.

**Renewable Energy Certificates - RECs.** All solar hot water systems are rated by the government according to their energy savings. The higher the RECs rating the more you save on heating costs. For example, a Rheem 52S300 receives 28 RECs, a Solahart 302L receives 30 RECs and a Conergy TS300 with F20LC panels receives 31 RECs. According to the government RECs rating, the Conergy will have a lower annual hot water energy cost than the Rheem or Solahart models, which means you will save more money every year. The government RECs rating is used to determine the size of the RECs rebate. Different companies pay different amounts for the RECs. Some companies show a higher than actual RECs rebate to make it appear that their system is more efficient than it really is. A system with 31 RECs would generally receive a larger RECs rebate than a system with 28 or 30 RECs. When you get a quote you should ensure that you receive full RECs information. For each quote you should ask to see the RECs rating and the value of the RECs rebate.

For more information, contact Central Solar Systems on 5592 3232, visit our showroom at 94 Bundall Road Bundall, or look on our website at [www.centralsolar.com.au](http://www.centralsolar.com.au).



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