

## Government Rebates and Feed-In Tariffs for On Grid Solar and Wind Turbine Systems

### Government rebates

Investing in a PV Solar Panel, small Wind Turbine or a hydro electricity system (e.g. a Heat Pump Water Heater) is becoming increasingly affordable. Depending on which State you live in, you can be eligible for various Federal and State government rebates, which can reduce the buying price **by \$1600.**

When you produce green energy using one of these systems, you are also creating RECs (Renewable Energy Certificate). These Certificates vary in value but are expected to be worth up to \$60 in the future. Furthermore the government supports small generation units up to 1.5 kW of wind and solar and a typical heat pump water heater, with a REC multiplier. Every Certificate produced from the first 1.5 kW of the unit's capacity is multiplied until 2012 - 5 times, until 2013 - 4 times, until 2014 - 3 times and until 2015 - 2 times. Every Megawatt hour of green Energy produced, creates 1 REC. Including the rebates, the produced RECs and the government REC multiplier it is so possible to get up to \$7500 support for a 1.5 kW unit bought in 2010.

### Feed In

After the unit is installed it will produce energy which is fed into the power grid. For the electricity supplied you will be paid by your Electricity Supplier.

In most states a "Net Feed-In Tariff" is being used. This means that you get paid for every kWh you produce more than you consume (e.g. 60 cents in Victoria). However, an average Australian household installing a 1.5 kW unit, would not produce more electricity than is consumed. Only at times when nobody is at home and only the fridge is running would more energy be produced than is used and the 60 cents per kW earned. At all other times, the saving on electricity would be by the amount of energy produced by the small generation unit, 1.5 kW per hour while the sun is shining.

<http://www.dpi.vic.gov.au/dpi/dpinenergy.nsf/LinkView/3ECC52C3991B1108CA25765E001F8E7E866B51F390263BA1CA2572B2001634F9>

The “Gross Feed-In Tariff” is a much simpler system whereby the owner of the unit gets 40 to 60 cents per produced kWh of energy produced, no matter how much is consumed. It has been in use since 1 January 2010 e.g. in New South Wales.

<http://www.industry.nsw.gov.au/energy/sustainable/renewable/solar/solar-scheme>

### Overview about different Feed In Tariffs:

<b>ACT: Gross Feed In</b>		
<u>Duration</u>	<u>Conditions</u>	<u>Tariff</u>
20 years from March 2009	Max size 10 kW Max 10 – 30 kW	Min 50 cents / kWh Min 40 cents / kWh

<b>NSW: Gross Feed In</b>		
<u>Duration</u>	<u>Conditions</u>	<u>Tariff</u>
7 years from January 2010	Max size 10 kW	Min 60 cents / kWh

<b>VIC: Net Feed In</b>		
<u>Duration</u>	<u>Conditions</u>	<u>Tariff</u>
15 years from November 2009	Max size 5 kW	Min 60 cents / kWh

<b>SA: Net Feed In</b>		
<u>Duration</u>	<u>Conditions</u>	<u>Tariff</u>
20 years from July 2008	Max size 10 kW	Min 44 cents / kWh

<b>QLD: Net Feed In</b>		
<u>Duration</u>	<u>Conditions</u>	<u>Tariff</u>
20 years from July 2008	Max size 10 kW	Min 44 cents / kWh