National GreenPower Accreditation Program Annual Audit

Audit Period 1 January 2006 to 31 December 2006

COMPLIANCE AUDIT

hydro

solar

biomass

wind

Prepared for

The National GreenPower Steering Group

October 2007

GreenPower™ Accredited Renewable Energy

URS

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Introduction

1.1 Background

URS Australia Pty Ltd (URS) was commissioned by the NSW Department of Water and Energy (DWE) (formerly the Department of Energy, Utilities & Sustainability (DEUS)) on behalf of the National GreenPower Steering Group (NGPSG), to conduct an annual technical audit of GreenPower products as part of the National GreenPower Accreditation Program. The objective of the audit was to determine the level of compliance between participating GreenPower product providers, GreenPower accredited products and the *National GreenPower Accreditation Document Version 3.3, September 2006*.

The settlement period for this audit extends from 1 January 2006 to 31 December 2006.

1.2 Audit Scope

The scope of the audit includes the following criteria:

- Use of GreenPower Generators (audited through Generation Reports submitted by Generators in conjunction with the Annual Audit process);
- Changes to the GreenPower Products and Generators;
- Minimum Percentage Requirement of Accredited GreenPower in Blended Products;
- Proportion of Electricity from 'New' GreenPower Generators;
- Claims of Eligible Generation for GreenPower Products;
- Balancing GreenPower Supply and Demand; and
- Transfer of Eligible Renewable Energy Certificates (RECs).

1.3 Audit Methodology

The audit was conducted in accordance with the following methodology:

1. Prior to the end of the settlement period and in consultation with DWE, URS updated the Annual Audit Report Form to ensure all necessary and relevant information was captured.
2. Prior to the end of the settlement period the Annual Audit Report Form was distributed to participating GreenPower product providers. URS then liaised with GreenPower product providers regarding completion of the form, the audit process and other audit related queries.
3. URS received completed Annual Audit Report Forms and followed up on late returns.
4. Generation Reports from GreenPower generators were received and collated. Information was then cross-checked with provider claims of eligible generation.
5. A desktop review was undertaken of the information submitted by each GreenPower provider to determine compliance of each product with the rules of the program.

6. URS prepared two reports for the NGPSG;

   - National GreenPower Annual Audit – Compliance Audit. This is a technical audit report for public release with verified statistics and other relevant details of each product, and a review of the overall performance of the program for the settlement period; and
   - Annual Technical Audit Report – Commercial in Confidence Information. This is a detailed technical audit report including all commercial in confidence information for the settlement period. The report includes a full assessment of each product against all criteria listed in Section 3 of the Accreditation Document and provides recommendations from the findings of the audit. The report includes information that is designated to remain confidential to NGPSG, as well as other details required to fulfil DWE auditing responsibilities.

All GreenPower products offered at any time between 1 January 2006 and 31 December 2006 were audited. The audit focused on the products themselves rather than the organisations offering the products.

1.4 Limitations and Exceptions

URS has prepared this report for the use of the National GreenPower Accreditation Steering Group in accordance with the usual care and thoroughness of the consulting profession. It is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this report. It is prepared in accordance with the scope of work and for the purpose outlined in our Proposal dated 28 January 2003 to the NSW Sustainable Energy Development Authority.

Results of this assessment are based upon information received from GreenPower product providers and generators. All conclusions and recommendations regarding the National GreenPower Accreditation Program represent the professional opinions of the URS personnel involved with this project.

The findings of this report are based on the Scope of Work as outlined in Section 1.2 above. The assessment undertaken by URS is limited strictly to identifying areas in which GreenPower product providers have not conformed to the *National GreenPower Accreditation Document Version 3.3, September 2006* based on the information provided to URS. The methodology adopted and sources of information used by URS are outlined in this report. URS has made no independent verification of this information beyond the agreed scope of works and URS assumes no responsibility for any inaccuracies or omissions. No indications were found during our investigations that information contained in this report as provided to URS was false.

This report was prepared between 31 March 2007 and 31 October 2007 and is based on the information reviewed at the time of preparation. URS disclaims responsibility for any changes that may have occurred after this time.

This report should be read in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

1.5 Structure of this Report

The remainder of the report is structured as follows:

Section 2 - provides an overview of the National GreenPower Accreditation Program for 2006;

Section 3 – describes the audit process and technical criteria; and

Sections 4 to 30 - provide an audit opinion for each GreenPower product for 2006.

1.6 List of Abbreviations

HEPS – Hydro Electric Power Station

PS – Power Station

PV – Photovoltaic

R – River

STP – Sewage Treatment Plant

WMC – Waste Management Centre

WTP – Water Treatment Plant

2.1 Overview

To facilitate the growth of 'green' electricity generated by renewable resources, the NSW Government developed the *GreenPower Accreditation Program* in April 1997. The purpose of the program is to promote the installation of new GreenPower electricity generators by increasing consumer demand and confidence in accredited GreenPower products.

Due to its success, the program was expanded nationally through joint collaboration by participating state government agencies in New South Wales (NSW), Victoria (VIC), Queensland (QLD), South Australia (SA), the Australian Capital Territory (ACT) and Western Australia (WA) and renamed the *'National GreenPower Accreditation Program'*. In May 2000, the National GreenPower Steering Group was officially established and NSW Sustainable Energy Development Authority (SEDA) appointed as the Project Manager. SEDA's functions were incorporated into the NSW Department of Energy, Utilities and Sustainability on 1 July 2004 and in turn these functions were incorporated into the NSW Department of Water and Energy (DWE) on 27 April 2007.

The objectives of the National GreenPower Program are to:

- facilitate the installation of new renewable energy generators across Australia beyond mandatory renewable requirements;
- encourage growth in consumer demand for renewable energy;
- provide consumer choice for, and increase confidence in credible renewable energy products;
- increase consumer awareness of renewable energy and greenhouse issues; and
- decrease greenhouse gas emissions associated with electricity generation.

2.1.1 GreenPower Products

Most electricity providers throughout Australia offer at least one accredited GreenPower Product. In the contestable (deregulated) markets of NSW, VIC, SA, the ACT and QLD, all residential and commercial customers can choose to buy a GreenPower product offered by any provider licensed in that state. Residential customers in WA can purchase GreenPower form Synergy and larger customers in WA can also choose GreenPower from licensed GreenPower product providers outside their franchise area.

The three main types of GreenPower products currently offered are:

1. Consumption based products whereby customers nominate the level of GreenPower purchased according to a nominated percentage of their total electricity consumption;
2. 'Block' based products whereby customers purchase a kWh 'block' of GreenPower that is based on average household electricity consumption and is not directly linked to an individual customer's consumption; and
3. Purchase of GreenPower to match consumption provided by another provider. While customers continue to purchase electricity from their standard electricity supplier, the GreenPower provider will purchase and surrender the equivalent number of GreenPower Rights and Renewable Energy Certificates (RECs) from eligible generation sources to meet the customer's elected electricity consumption.

'Blended' GreenPower products apply when a customer purchases a level of GreenPower equivalent to less than 100 per cent of their electricity consumption. The 'backfill' or *non-accredited portion* of blended products is not audited and can therefore be sourced from any type of electricity generation.

2.1.2 Rules of the Program

The National GreenPower Accreditation Program sets stringent rules for all GreenPower providers offering an accredited GreenPower product. Two key requirements are for GreenPower providers to: source all generation included in a GreenPower product from GreenPower approved sources; and purchase at least eighty per cent of GreenPower sales from 'new' renewable energy generation. 'New' is defined as any generator built or commissioned after 1 January 1997 that is GreenPower approved.

From 1 July 2006 onwards, GreenPower providers are required to source 100 per cent of accredited GreenPower sales from 'new' GreenPower generation. For long term GreenPower sales contracts signed prior to 1 July 2006, the 100 per cent 'new' GreenPower requirement must be implemented as contracts are renegotiated or by 31 December 2008, whichever is earlier.

Further information on the rules of the program is available in the *National GreenPower Accreditation Document*, available on the website at www.greenpower.gov.au.

2.1.3 Mandatory Renewable Energy Target

The Commonwealth Government's *Renewable Energy (Electricity) Act 2000* resulted in the introduction of a Mandatory Renewable Energy Target (MRET) requiring electricity retailers to source an increasing percentage of their electricity sales from renewable sources each year to 2010 and to be sustained at 9,500 GWh/year until 2020.

A retailer's GreenPower sales cannot be used by a retailer to meet its MRET target. To ensure that GreenPower sales are additional to legislated renewable energy purchases through the MRET, GreenPower product providers are required to transfer an eligible Renewable Energy Certificate (REC) for each MWh of 'new' GreenPower generation sold as part of a GreenPower Product within a settlement period.

Only RECs created by a GreenPower generator are eligible to meet the requirement. There is no requirement to use RECs from the same GreenPower generators as used in the GreenPower product. From 1 January 2006 Solar Hot Water RECs were no longer allowed under the program.

For compliance purposes, GreenPower product providers are required to provide access to information on the number of eligible RECs that have been 'transferred' to a registered GreenPower account. This includes details such as the name of generators from which RECs were created.

2.1.4 NSW Greenhouse Gas Reduction Scheme (GGAS)

From 1 January 2003, NSW electricity providers (and certain other parties) are required to meet mandatory targets for abating greenhouse gas emissions from electricity production and use. This scheme is known as GGAS and is implemented through the *Electricity Supply Amendment (Greenhouse Gas Emission Reduction) Act 2002*.

GreenPower providers are required to reduce emissions in line with a sector-wide greenhouse 'benchmark', by sourcing cleaner energy supply and promoting energy efficiency. The sector-wide benchmark is to reduce emissions to 5 per cent below 1990 per capita emission levels, equivalent to 7.27tCO_2-e per capita by 2007. Electricity providers are required to meet annual reduction targets to achieve the benchmark. Targets are enforced each year, with electricity providers paying a penalty where they fail to meet their annual benchmarks. The target will be maintained at that level until 2012 or until the Commonwealth Government implements a National Emissions Trading Scheme.

Under this scheme, GreenPower product providers are not able to count sales and associated greenhouse gas reductions made through their GreenPower products towards meeting their compliance targets. For more information on the scheme, visit www.greenhousegas.nsw.gov.au, or contact the NSW Independent Pricing and Regulatory Tribunal (IPART) which is responsible for administering the scheme.

2.1.5 GreenPower Generators

Under the Program, a 'green' electricity generator is defined as an electricity generator that results in a greenhouse gas emission reduction and net environmental benefits; is based primarily on a renewable energy resource; and complies with the guidelines in the National GreenPower Program Accreditation Document. A description of the major generator types is provided in the following pages. All electricity generators used in a GreenPower product must be approved as a GreenPower generator by DWE, prior to their inclusion in a GreenPower product.

On 31 December 2006 there were 264 GreenPower generators approved in Australia, including 175 'new' generators, which have been commissioned or first sold electricity since 1 January 1997. For a comprehensive current list of GreenPower approved generators, please visit the Download section of the GreenPower website at www.greenpower.gov.au or e-mail greenpower@dwe.nsw.gov.au.

Solar Photovoltaic

Energy from the sun can be categorised in two ways, as heat energy (thermal energy) or as light energy.

Photovoltaics are a semiconductor-based technology which converts the sun's *light* energy directly into an electrical current. Photovoltaic panels are versatile and can be mounted in a variety of sizes and applications such as on building roofs, street lights or roadside emergency phones.

Wind Turbines

Wind turbines can be used to drive a generator to create electricity. Modern wind turbines for generating electricity usually have two or three blades (up to 45m in length) and often involve dual land use, as sheep and cattle can graze around the base of the turbines. A single wind turbine may be sufficient to power up to 500 homes. Commercial wind farms group these turbines together in one location to produce larger amounts of electricity.

Hydro-Electric

Hydro-electric power is electricity produced from the energy of falling water using dams, turbines and generators. The environmental impact of hydro-electric projects varies and only those that can be shown to be environmentally acceptable can be accredited under GreenPower.

Biomass

Methane generated by the decomposition of biomass resources (putrescibles and green waste) in landfill sites, sewage treatment works or large scale composting can be used to generate electricity. Waste materials from agricultural enterprises such as forestry, sugar cane, winery and cotton production can also be used to generate electricity.

Such projects are considered generally suitable as GreenPower projects, but are carefully assessed by the Project Manager on a case by case basis.

A wide variety of crops could be grown specifically for energy generation including timbers, oils or complex sugars. The suitability of these crops will depend on the sustainability of the agricultural practices used. The “energy crops” industry is in its infancy in Australia.

With regard to forestry wastes, utilisation of fuels from existing forestry plantations is generally acceptable under GreenPower. However, utilisation of any materials (including wastes) from high conservation value forests such as old growth forests is not acceptable.

2.2 Participation

2.2.1 Reporting Period

The 2006 settlement period is from 1 January 2006 to 31 December 2006, covering a 12 month period.

A comparison in GreenPower customer numbers, purchases and sales figures has been used for the 2006 and 2005 reporting periods and is presented throughout this report.

2.2.2 GreenPower Product Providers/Products

During the 2006 settlement period, 27 GreenPower accredited products were offered by GreenPower product providers to residential and commercial customers nationally (Table 2.1). This is five more products than the previous settlement period.

Table 2.1 GreenPower Product Providers and Products

Provider	Product	States Offered					
		NSW	VIC	QLD	SA	WA	ACT
ActewAGL	GreenChoice	☼	☼	☼	☼	☼	☼
AGL	Green Energy	☼	☼	✓	☼		✓
	Green Living	✱	✱		✱		
Climate Friendly	Climate Neutral Power	☼	☼	☼	☼	☼	☼
Country Energy	countrygreen	☼	☼	✓	✓		✓
	countrygreen energy	☼	☼	☼	☼		☼
EnergyAustralia	Pure Energy Premium	☼		✓			✓
	PureEnergy 10	☼		✓			✓
EA IPR Retail Partnership	GreenSaver		☼		☼		
	GreenSaver Premium		☼		☼		
	Green@work		✓		✓		
Energex	earth'schoice	✓	✓	☼	✓	✓	✓
Energy Pacific	Pacific Hydro	✓	✓	✓	✓	✓	✓
Ergon Energy / Powerdirect	Clean Energy from Ergon Energy / Powerdirect			☼			
	Cleangreen (previously Clean Energy Plus Option)	✓	✓	☼	✓	✓	✓
Global Green Plan	GreenSwitch	☼	☼	☼	☼	☼	☼
Integral Energy	Business Green	✓	✓				✓
	Hampton Wind Park (no longer offered to new customers)	✱					
	*IN*green	☼					
	Wyuna Water (no longer offered to new customers)	☼					
Jackgreen	Jackgreen Power	✱	✱		✱		
Origin Energy	EcoPower – (not currently offered to new customers)		☼				
	EcoSaver – Residential Option (no longer offered to new customers)		✱				
	GreenEarth	☼	☼	✓	☼	✓	☼
Synergy	NaturalPower					☼	
TRUenergy	TRUenergy green	☼	☼		☼		☼
	TRUenergy Verdant	✓	✓		✓		✓

☼ Available to residential / commercial customers
✱ Available to residential customers only
✓ Available to commercial customers only

2.3 Changes to GreenPower Products

During the period from 1 January 2006 to 31 December 2006, a number of changes occurred within the GreenPower program including the introduction of new products and changes to existing products. A summary of key changes is detailed below and in Table 2.2.

- EA-IPR – launched Green@work on 5 September 2005, and was reported from the second quarter of the 2006 settlement period. Green@work customers can choose any percentage of GreenPower accredited product.

- Energex – Sun Retail Pty Ltd, the former Energex subsidiary which provided the GreenPower product earth'schoice, was sold to Origin Energy in the fourth quarter of the 2006 settlement period. On 1 November 2006 approximately 13,800 residential customers were removed from the earth'schoice portfolio as part of a Queensland Government trade sale of electricity providers.

- Ergon Energy / Powerdirect – due to an industry restructure during the fourth quarter of the 2006 GreenPower reporting period, Clean Energy and Cleangreen (previously Clean Energy Plus) GreenPower Products were provided in partnership by both Ergon Energy and Powerdirect Australia. The Clean Energy GreenPower product was available to franchise residential and commercial customers within Ergon Energy's franchise area. As a result of the restructure approximately 13,800 residential customers were transferred from Energex's earth'schoice product to Cleangreen. Cleangreen is offered to contestable commercial customers throughout Australia and residential customers in QLD, NSW, SA, ACT and VIC. Cleangreen from Ergon Energy / Powerdirect is a 100 per cent accredited GreenPower Product.

- Global Green Plan - launched its GreenPower product, GreenSwitch during the third quarter 2006. GreenSwitch is offered using a web interface to residential customers and also directly to commercial customers. While GreenSwitch customers continue to purchase electricity from their standard electricity supplier, Global Green Plan purchases and surrenders the equivalent number of GreenPower Rights and Renewable Energy Certificates (RECs) from eligible generation sources to meet the customer's electricity consumption. GreenSwitch customers can tailor their energy portfolio by selecting specific generators or purchasing the GreenSwitch default energy mix. GreenSwitch is available to all residential and commercial customers throughout Australia.

- Integral Energy – launched its *IN*green GreenPower product in the first quarter of 2006. *IN*green customers select either *IN*green Home, *IN*green Pure or *IN*green Business. *IN*green Business customers can select a preferred level of GreenPower ranging from 2.5 per cent to 100 per cent. It is available to small retail business customers in NSW with basic meters. Business customers choose to have 2.5 per cent, 10 per cent, 75 per cent or 100 per cent of electricity matched with renewable energy from GreenPower approved renewable sources. *IN*green Home is a 10 per cent accredited GreenPower product and available to residential customers in NSW. *IN*green Pure is a 100 per cent GreenPower accredited product and is available to residential customers in NSW.

- Jackgreen – launched Jackgreen Power in the third quarter of the 2006 settlement period and is 10 per cent GreenPower accredited. Jackgreen has a number of residential electricity products in the Australian energy market. Jackgreen Power is the lead product and is available to customers via the signing of a Market Contract in NSW, VIC and SA. Jackgreen Power is available to all residential customers in NSW, VIC and SA.

- Energy Pacific – launched Pacific Hydro a 100 per cent GreenPower product on 20 December 2006. The Pacific Hydro GreenPower product is available to commercial customers in NSW, VIC, QLD, SA, WA and ACT.

Table 2.2 Availability of GreenPower Products

Provider	Product	Mar 2006	June 2006	Sept 2006	Dec 2006
ActewAGL	GreenChoice	✓	✓	✓	✓
AGL	Green Energy	✓	✓	✓	✓
	Green Living	✓	✓	✓	✓
Climate Friendly	Climate Neutral	✓	✓	✓	✓
Country Energy	countrygreen	✓	✓	✓	✓
	countrygreen energy	✓	✓	✓	✓
EnergyAustralia	PureEnergy Premium	✓	✓	✓	✓
	PureEnergy 10	✓	✓	✓	✓
EA IPR Retail Partnership	GreenSaver	✓	✓	✓	✓
	GreenSaver Premium	✓	✓	✓	✓
	Green@work		✓	✓	
Energex	earth'schoice	✓	✓	✓	✓
Energy Pacific	Pacific Hydro				✓
Ergon Energy / Powerdirect	Clean Energy from Ergon Energy / Powerdirect	✓	✓	✓	✓
	Cleangreen (previously Clean Energy Plus option)	✓	✓	✓	✓
Global Green Plan	GreenSwitch			✓	✓
Integral Energy	Business Green	✓	✓	✓	✓
	Hampton Wind Park	✓	✓	✓	✓
	*IN*green		✓	✓	✓
	Wyuna Water	✓	✓	✓	✓
Jackgreen	Jackgreen Power			✓	✓
Origin Energy	EcoPower	✓	✓	✓	✓
	EcoSaver	✓	✓	✓	✓
	GreenEarth	✓	✓	✓	✓
Synergy	NaturalPower	✓	✓	✓	✓
TRUenergy	TRUenergy green	✓	✓	✓	✓
	TRUenergy Verdant	✓	✓	✓	✓

2.3.1 GreenPower Customers

As of 31 December 2006, 373,925 residential and 17,478 commercial customers purchased GreenPower nationally. This represents a 79.7 per cent increase in residential customers and a 57.7 per cent increase in commercial customers from 31 December 2005. The total number of GreenPower customers amounted to 391,403. This equates to a rise of 78.6 per cent since the end of the 2005 settlement period.

Table 2.3 details the number of residential and commercial customers by GreenPower product. Figure 2.1 provides a breakdown of total customer numbers by State and Territory. Figures 2.2 and 2.3 provide a

breakdown of residential and commercial customers by State and Territory. The trend in annual GreenPower customer number growth is provided in Figure 2.4.

Table 2.3 Customer Numbers as at 31 December 2006

Provider	Product	Residential Customers	Commercial Customers
ActewAGL	Green Choice	**7,450**	**81**
AGL Green Energy	Green Energy	**2,819**	**7,872**
	Green Living	**20,985**	**N/A**
Climate Friendly	Climate Neutral Power	**157**	**28**
Country Energy	countrygreen	**1,471**	**932**
	countrygreen energy	**15,675**	**1,255**
EnergyAustralia	PureEnergy Premium	**5,157**	**1,866**
	PureEnergy 10	**1,239**	**3**
EA IPR Retail Partnership	GreenSaver	**86,426**	**410**
	GreenSaver Premium	**46**	**1**
	Green@work	**N/A**	**3**
Energex	*earth'schoice*	**34,110**	**537**
Energy Pacific	Pacific Hydro	**N/A**	**2**
Ergon Energy / Powerdirect	Clean Energy from Ergon Energy / Powerdirect	**40,444**	**1,635**
	Cleangreen (previously Clean Energy Plus Option)	**13,986**	**52**
Global Green Plan	GreenSwitch	**61**	**15**
Integral Energy	Business Green	**N/A**	**533**
	Hampton Wind Park	**106**	**N/A**
	*IN*green	**9,589**	**12**
	Wyuna Water	**3**	**14**
Jackgreen	Jackgreen Power	**1,093**	**2**
Origin Energy	EcoPower	**113**	**5**
	EcoSaver	**3,486**	**N/A**
	GreenEarth	**95,804**	**1,113**
Synergy	NaturalPower	**2,812**	**531**
TRUenergy	TRUenergy Green	**30,893**	**573**
	Verdant	**N/A**	**3**
TOTAL		**373,925**	**17,478**

Figure 2.1 Breakdown of Total GreenPower Customer Participation by State and Territory as at 31 December 2006

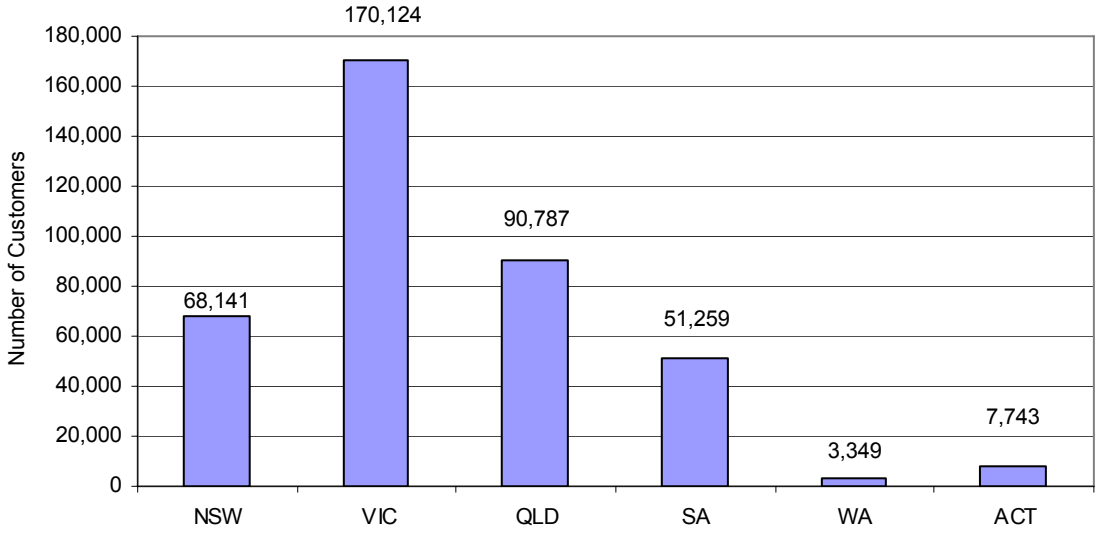


Figure 2.2 Breakdown of GreenPower Residential Participation by State and Territory as at 31 December 2006

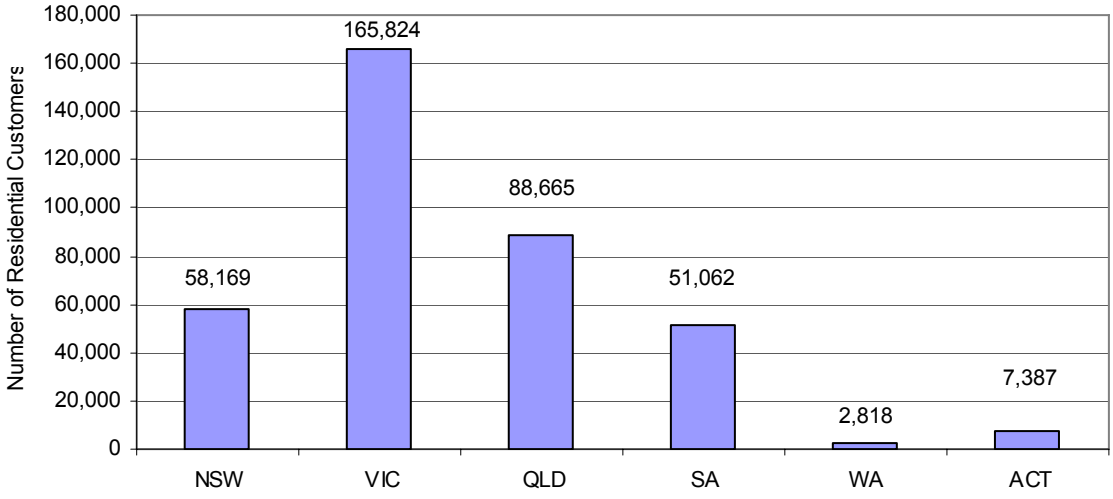


Figure 2.3 Breakdown of GreenPower Commercial Participation by State and Territory as at 31 December 2006

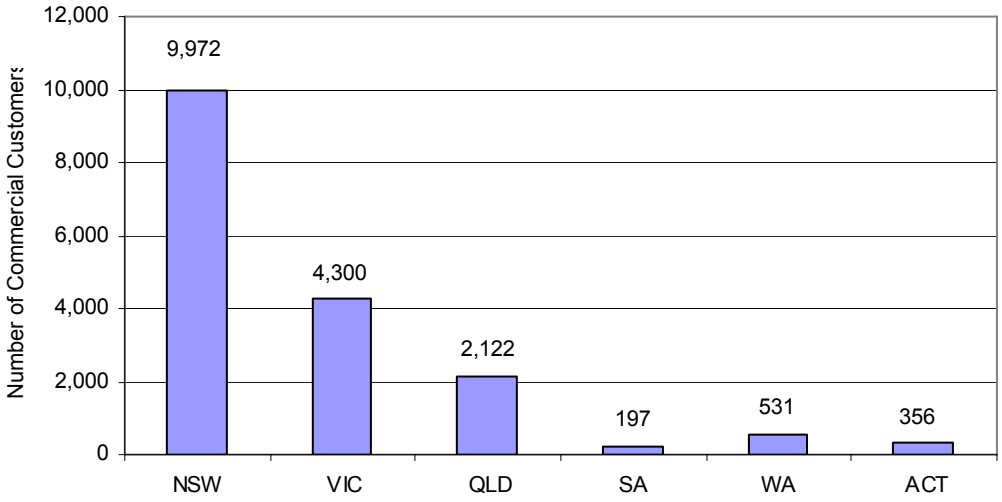
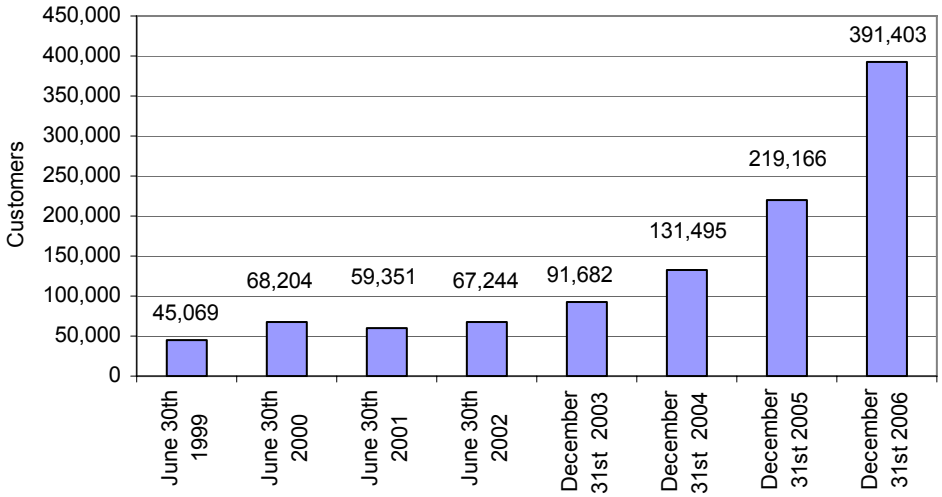


Figure 2.4 Trend in Total GreenPower Customer Participation



2.4 GreenPower Purchases and Sales

Total reported GreenPower purchases by GreenPower product providers increased by 66 per cent since the previous settlement period from 2,344,344 MWh in 2005 to 3,889,200 MWh for the 2006 settlement period.

Total GreenPower sales during the 2006 settlement period were 802,417 MWh.

A breakdown of total GreenPower sales (combined residential and commercial) by State and Territory for the 2006 settlement period is provided in Figure 2.5. Combined residential and commercial GreenPower sales were greatest in the State of VIC at 263,660 MWh, followed by NSW at 254,326 MWh and QLD at 150,750 MWh.

A breakdown of residential and commercial GreenPower sales by State and Territory for the 2006 settlement period is provided in Figure 2.6. Commercial GreenPower sales were greatest in NSW at 202,204 MWh, whilst residential GreenPower sales were greatest in VIC at 136,814 MWh.

Growth in demand for GreenPower increased by 48 per cent since the previous settlement period with total sales of GreenPower increasing from 542,256 MWh in 2005 to 802,417 MWh in 2006. The trend in annual GreenPower sales to date is shown in Figure 2.7.

Total GreenPower sales since the Program's establishment in 1997 are 3,575,802 MWh.

Figure 2.5 Breakdown of GreenPower Sales by State and Territory for the 2006 Settlement Period

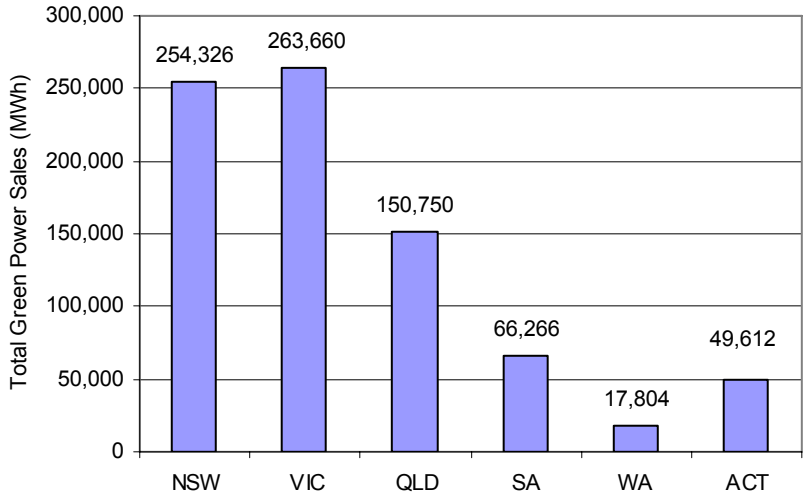


Figure 2.6 Breakdown of Residential and Commercial GreenPower Sales by State and Territory for the 2006 Settlement Period

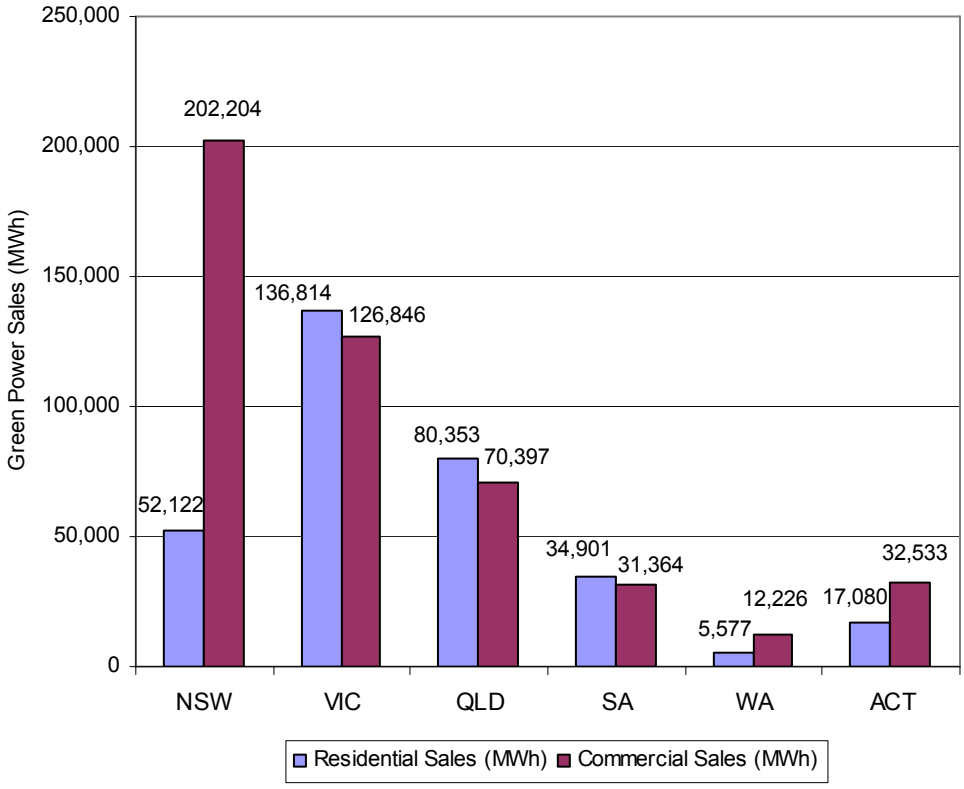
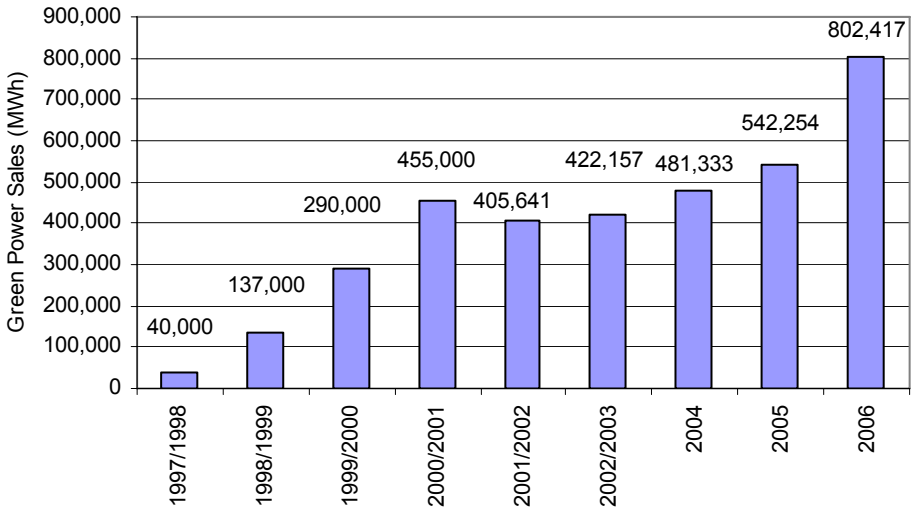


Figure 2.7 Trend in Annual GreenPower Sales



2.4.1 GreenPower Events, Events Customers and Events Sales

During the 2004 settlement period, GreenPower product providers began reporting on GreenPower events, events customers and sales resulting from GreenPower events. A GreenPower event customer is defined as a customer who purchases accredited GreenPower to meet 100 per cent of a specific event's electricity consumption. The event organiser is able to use the GreenPower Event logo on all promotional material for the event.

In the 2006 settlement period, 11 GreenPower product providers supplied accredited GreenPower for the running of GreenPower events. During this period, 152 events were powered by 100 per cent GreenPower, accounting for 4,677 MWh of GreenPower sales. Table 2.4 provides a breakdown of GreenPower events, events customers and events sales by provider. Please note that these figures are included in total GreenPower sales in Section 2.4.

Table 2.4 GreenPower Events, Events Customers and Associated Sales

Provider	GreenPower Events	Events Customers	GreenPower Sales (MWh)
ActewAGL	1	1	4
AGL	7	7	351
Climate Friendly	10	9	10
Country Energy	71	7	42
EnergyAustralia	2	2	2
EA-IPR Retail Partnership	0	0	0
Energex	11	11	80
Energy Pacific	0	0	0
Ergon Energy / Powerdirect	0	0	0
Global Green Plan	9	8	9
Integral Energy	3	2	16
Jackgreen	0	0	0
Origin Energy	29	20	4,079
Synergy	1	1	1
TRUenergy	8	3	82
TOTAL	**152**	**71**	**4,677**

2.4.2 GreenPower Generation Sources

GreenPower is sourced from a number of different renewable energy generation types, as outlined in Section 2.1.5. Figures 2.8 and 2.9 illustrate the proportional change in generation types used to meet GreenPower sales in the 2005 and 2006 settlement periods.

Figure 2.8 Sales by Energy Type (2005)

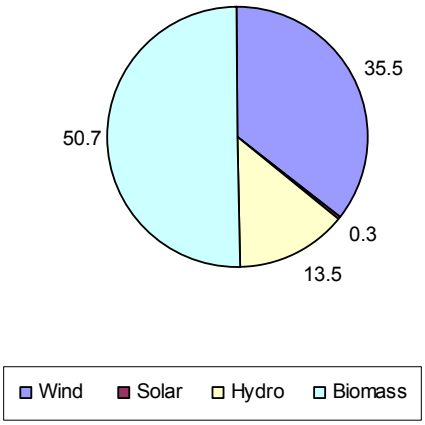
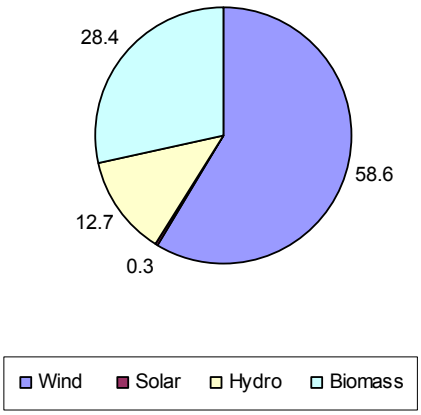


Figure 2.9 Sales by Energy Type (2006)



2.5 Energy from 'Existing' and 'New' GreenPower Generators

To encourage the installation of new green electricity generators, electricity providers are required to source at least 80 per cent of GreenPower sales from 'new' GreenPower approved generators. A 'new' GreenPower generator is defined as an electricity generator or increase in generator capacity, which was commissioned or first sold energy (whichever is earlier) after January 1, 1997. The compliance of GreenPower products against this criterion has been assessed in this audit. From 1 July 2006 providers have also been required to source 100 per cent of new customer GreenPower sales from 'new' GreenPower approved generators.

For the 2006 Annual Audit, GreenPower product providers were assessed against this criterion according to their allocations of 'new' GreenPower over the 12 month reporting period. The assessment has indicated that all GreenPower product providers met this minimum 'new' GreenPower requirement. Table 2.5 summarises this assessment for each provider.

Electricity from 'new' GreenPower approved generators accounted for 93.3 per cent of the total amount of electricity sold. This represents an increase since the 2005 settlement period from 91.4 per cent of GreenPower sold sourced from 'new' GreenPower approved generators.

Table 2.5 Energy from 'New' GreenPower Generators

Provider	Product	Per cent Allocated from 'New' Generators for 'Existing' customers	Per cent Allocated from 'New" Generators for 'New' customers	Compliant or Non-compliant
ActewAGL	GreenChoice	97	100	✓
AGL	Green Energy	80	100	✓
	Green Living	100	100	✓
Climate Friendly	Climate Neutral Power	100	100	✓
Country Energy	countrygreen	100	100	✓
	countrygreen energy	100	100	✓
EnergyAustralia	PureEnergy Premium	97	100	✓
	PureEnergy 10	N/A	100	✓
EA-IPR Retail Partnership	GreenSaver	80	100	✓
	GreenSaver Premium	100	100	✓
	Green@work	100	100	✓
Energex	earth'schoice	100	100	✓
Energy Pacific	Pacific Hydro	NA	100	✓
Ergon Energy / Powerdirect	Clean Energy from Ergon Energy / Powerdirect	100	100	✓
	Cleangreen (previously Clean Energy Plus)	80	100	✓
Global Green Plan	GreenSwitch	N/A	100	✓
Integral Energy	Business GreenPower	81	NA	✓
	Hampton Wind Park	100	100	✓
	*IN*green	100	100	✓
	Wyuna Water	100	NA	✓
Jackgreen	Jackgreen Power	N/A	100	✓
Origin Energy	EcoPower	87	NA	✓
	EcoSaver	89	NA	✓
	GreenEarth	84	100	✓
Synergy	NaturalPower	100	100	✓
TRUenergy	TRUenergy Green	100	100	✓
	TRUenergy Verdant	100	NA	✓

2.5.1 Renewable Energy Certificate (REC) Allocations

To ensure that GreenPower sales are additional to renewable energy demand driven by the Mandatory Renewable Energy Target (MRET), GreenPower product providers are required to transfer (or 'set aside') one REC for each MWh of generation classified as 'new' and sold as part of a GreenPower product within a settlement period. GreenPower product providers are not permitted to use these RECs to meet their obligations under MRET, and such RECs must remain in a registered GreenPower Designated Account on the Registry for RECs until otherwise notified by the Program Manager.

The transfer of RECs must be made within 12 weeks of the end of each settlement period.

Concession arrangements apply in certain circumstances upon approval from the GreenPower Program Manager. Under such an arrangement an electricity provider may be required to set aside fewer RECs than would otherwise be the case.

RECs transferred during the 2006 settlement period are detailed in Table 2.6 below. A total of 495,736 RECs were transferred into the GreenPower Designated Accounts.

Table 2.6 RECs Transferred by Generation Source

Generator Name	Generation Source	Number RECs Transferred
Albany Wind Farm	Wind	14,666
Canunda Wind Farm	Wind	34,536
Challicum Hills Wind Farm	Wind	47,970
Codrington Wind Farm	Wind	20,732
Denham Wind Farm	Wind	128
Eastern Creek Landfill	Biomass	32
Emu Downs Wind Farm	Wind	15,965
Kelvin Road Landfill	Biomass	3,496
Hampton Wind Park	Wind	475
Koombooloomba Hydro (previously known as K5 unit)	Hydro	400
Lake Bonney Wind Farm Stage One	Wind	47,299
Lucas Heights I & II Landfill	Biomass	25,964
Pioneer Sugar Mill	Biomass	17,374
Millar Road Landfill	Biomass	7,535
Starfish Hill Wind Farm	Wind	10,000
Tableland Sugar Mill	Biomass	23,060
Toora Wind Farm	Wind	26,490
Wattle Point Wind Farm	Wind	58,739
Werribee STP	Biomass	4,158
West Nowra Landfill	Biomass	6,754
Windy Hill Wind Farm (Stage 1)	Wind	4,074
Wollert Renewable Energy Facility	Biomass	800
Woolnorth Bluff Point Wind Farm (Stage 1)	Wind	112,999
Wonthaggi Wind Farm	Wind	12,090
TOTAL		**495,736**

2.5.2 Concessions

Concession arrangements apply in certain circumstances upon approval from the GreenPower Program Manager. Under such an arrangement an electricity retailer may be required to set aside fewer RECs than would otherwise be the case.

The number of RECs marked as concessions during the 2006 settlement period are detailed in Table 2.7 below. A total of 204,513 RECs were marked as concessions during 2006.

Table 2.7 Concessions

Product Provider	Generator	Concession Type	RECs Marked as Concessions
Energex	Rocky Point Sugar Mill	Special	99,850
Energex	Edward Street Solar Project	Special	264
Energex	Caboolture Region Env. Ed. Centre	Special	6
Energex	Gecko House Solar Array	Special	2
Energex Total			**100,122**
Energy Pacific	Yambuk Wind Farm	Special	25,149
Energy Pacific Total			**25,149**
Integral Energy (Wyuna Water)	Wyuna Water (Kembla Grange)	Special	1,339
Integral Energy (Business Green)	Wyuna Water (Kembla Grange)	Special	13,263
Integral Energy (*IN*green)	Wyuna Water (Kembla Grange)	Special	2,558
Integral Total			**17,160**
Origin Energy (GreenEarth)	Yambuk Wind Farm	Special	54,000
Origin Energy (GreenEarth)	Terminal Storage Mini Hydro	Special	5,108
Origin Energy (GreenEarth)	Parangana Mini Hydro	Special	2,341
Origin Energy (GreenEarth)	Nieterana Mini Hydro	Special	633
Origin Total			**62,082**
Total Concessions			**204,513**

2.6 New GreenPower Generators

New GreenPower generators installed between 1 January 1997 and 31 December 2006 and used in GreenPower Products in 2006 are detailed in Table 2.8.

Table 2.8 New GreenPower Generators

Generator Name	Generator Location	Type[1]	GreenPower Provider
Albany Wind Farm	Albany, WA	W	EA-IPR, Global Green Plan, Synergy
Alinta Wind Farm (Walkaway)	Geraldton, WA	W	Climate Friendly, Jackgreen
AV Jennings	Kellyville, NSW	S	Integral Energy
Banimboola Power Station	Dartmouth Dam – Mitta Mitta R, VIC	H	EnergyAustralia
Bellingen High School	Bellingen, NSW	S	Integral Energy
Belmont High School	Belmont, NSW	S	Integral Energy
Berwick Landfill	Berwick, VIC	B	TRUenergy
Blacktown West Public School	Blacktown, NSW	S	Integral Energy
Blaxland High School	Blaxland, NSW	S	Integral Energy
Blayney Wind Farm	Blayney, NSW	W	Country Energy
Broadwater Sugar Mill	Broadwater, NSW	B	Country Energy
Brooklyn Landfill	Brooklyn, VIC	B	EA-IPR
Browns Plains Landfill	Browns Plains, QLD	B	Energex
Buninyong Public School	Dubbo, NSW	S	Integral Energy
Buxton High School	Buxton, NSW	S	Integral Energy
Caboolture Region Env. Ed. Centre	Caboolture, QLD	S	Energex
Callala Public School	Callala Bay, NSW	S	Integral Energy
Camellia Biogas	Parramatta, NSW	B	Country Energy
Campbelltown TAFE	Campbelltown, NSW	S	Integral Energy
Canunda Wind Farm	Tantanoola, SA	W	ActewAGL, AGL
Cathedral Rocks Wind Farm	Port Lincoln, SA	W	TRUenergy
Challicum Hills Wind Farm	Buangor, Ararat, VIC	W	Integral Energy, Origin Energy
Chichester Dam	Chichester, NSW	H	Country Energy
Cobar Public School	Cobar, NSW	S	Integral Energy
Codrington Wind Farm	Codrington, VIC	W	Integral Energy, Origin Energy
Condong Sugar Mill	Condong, NSW	B	Country Energy
Cooerwull Public School	Lithgow, NSW	S	Integral Energy
Cooma Public School	Cooma, NSW	S	Integral Energy
Crookwell Wind Farm	Crookwell, NSW	W	Country Energy
Dungog Hydro	Dungog, NSW	H	Country Energy
Edward Street Solar Project	Brisbane CBD, QLD	S	Energex
Emu Downs Wind Farm	Badgingarra, WA	W	Energex
Energex PV Residential Rooftop	Various, QLD	S	Energex
Fitzroy Falls Centre Solar System	Fitzroy Falls, NSW	S	Integral Energy
Foreshore Park Solar System	Newcastle, NSW	S	EnergyAustralia

Generator Name	Generator Location	Type[1]	GreenPower Provider
Gecko House Solar Array	Currumbin, QLD	S	Energex
Glenorchy Landfill	Glenorchy, TAS	B	AGL
Gunnedah South Public School	Gunnedah, NSW	S	Integral Energy
Hampton Wind Park	Hampton, NSW	W	Integral Energy
Hay Public School	Hay, NSW	S	Integral Energy
Hinchinbrook Public School	Huxton Park, NSW	S	Integral Energy
Hobart Landfill	Hobart, TAS	B	AGL
Homebush Business Park Solar (John Cox Centre)	Homebush, NSW	S	EnergyAustralia
Integral Energy Head Office	Huntingwood, NSW	S	Integral Energy
Kelvin Road Landfill	Gosnells, WA	B	AGL
Koombooloomba Hydro (previously known as K5 unit)	Cairns, QLD	H	Ergon Energy
Kooragang Wind Turbine	Newcastle, NSW	W	EnergyAustralia
Lake Bonney Wind Farm Stage One	Millicent, SA	W	Country Energy
Lander's Shute Pipeline	Lander's Shute, QLD	H	Energex
Lucas Heights I Landfill - Expansion	Lucas Heights, NSW	B	EnergyAustralia
Lucas Heights II Landfill	Lucas Heights, NSW	B	Country Energy, EnergyAustralia
Malabar Sewage Treatment Plant	Malabar, NSW	B	Origin Energy
Millar Road Landfill	Rockingham, WA	B	AGL, Integral Energy
Molendinar Landfill	Molendinar, QLD	B	EnergyAustralia
Mornington Landfill	Mornington, QLD	B	EnergyAustralia
Mount St Thomas Public School	Mangerton, NSW	S	Integral Energy
Mt Annan Public School	Mt Annan, NSW	S	Integral Energy
Nieterana Mini Hydro	Butlers Gorge, TAS	H	Origin Energy
Orange Public School	Orange, NSW	S	Integral Energy
Origin Bulk PV	Various, SA & VIC	S	Origin Energy
Para Meadows Special School	North Wollongong, NSW	S	Integral Energy
Parangana Mini Hydro	Mersey Valley, TAS	H	Origin Energy
Parramatta Public School	Parramatta, NSW	S	Integral Energy
Penrith High School	Penrith, NSW	S	Integral Energy
Pindari HEPS	Ashford, NSW	H	Energex
Port Kembla Public School	Port Kembla, NSW	S	Integral Energy
Queanbeyan Solar Farm	Queanbeyan, NSW	S	Country Energy
Queen Victoria Markets PV Installation	Melbourne, VIC	S	Origin Energy
Robertson Public School	Robertson, NSW	S	Integral Energy
Rochedale Renewable Energy Facility	Rochedale, QLD	B	Country Energy
Rockingham PV System	Rockingham, WA	S	Synergy
Rocky Point Sugar Mill	Woongoolba, QLD	B	Energex
Schofields Public School	Schofields, NSW	S	Integral Energy
Shoalhaven High School	Nowra, NSW	S	Integral Energy
Singleton Solar Farm (Stage 1)	Singleton, NSW	S	EnergyAustralia
Singleton Solar Farm (Stage 2)	Singleton, NSW	S	EnergyAustralia
South Cardup Renewable Energy Facility	South Cardup, WA	B	Energex

Generator Name	Generator Location	Type[1]	GreenPower Provider
St Bernadette's Primary School	Dundas, NSW	S	Integral Energy
Stapylton Landfill	Stapylton, QLD	B	EnergyAustralia
Starfish Hill Wind Farm	Cape Jervis, SA	W	AGL
Suntown Landfill	Suntown, QLD	B	EnergyAustralia
Sydney Superdome Solar System	Homebush, NSW	S	EnergyAustralia
Tableland Sugar Mill	Arriga, QLD	B	Ergon Energy
Terminal Storage Mini Hydro	Tea Tree Gully, SA	H	Origin Energy
Thirlmere Public School	Thirlmere, NSW	S	Integral Energy
Tinaroo Hydro	Tinaroo, QLD	H	Ergon Energy
Toora Wind Farm	Toora, VIC	W	Origin Energy
Tully Sugar Mill Upgrade	Tully, QLD	B	Ergon Energy
Tweed Renewable Energy Facility	Stotts Creek, NSW	B	Energex
Wattle Point Wind Farm	Wattle Point, SA	W	AGL, TRUenergy
Werribee STP	Werribee, VIC	B	AGL
Western Plains Zoo	Dubbo, NSW	S	Country Energy
West Nowra Landfill	West Nowra, NSW	B	ActewAGL, AGL
Whitwood Road Renewable Energy Facility	Ipswich, QLD	B	Country Energy
Windy Hill Wind Farm Stage 1	Ravenshoe, QLD	W	Ergon Energy
Wiseman's Ferry Public School	Wiseman's Ferry, NSW	S	Integral Energy
Wivenhoe Mini Hydro	Ipswich, QLD	H	EnergyAustralia
Wollert Renewable Energy Facility	Wollert, VIC	B	Climate Friendly, Global Green Plan
Wonthaggi Wind Farm	Wonthaggi, VIC	W	Country Energy
Woolnorth Bluff Point Wind Farm	Woolnorth, TAS	W	EnergyAustralia
Wyangala B	Cowra, NSW	H	Country Energy
Wyndham Landfill	Wyndham, QLD	B	EnergyAustralia
Wyralla Road Public School	Lismore, NSW	S	Integral Energy
Wyuna Water (Kembla Grange)	Illawarra, NSW	H	Integral Energy
Yambuk Wind Farm	Yambuk, VIC	W	Origin Energy, Energy Pacific

1. B = Biomass (includes sewage and bagasse), H = Hydro, S = Solar, W = Wind.

2.7 Marketing Compliance

Providers that participate in the National GreenPower Accreditation Program are required to submit all GreenPower marketing materials currently in use to the Program Manager to verify compliance with the marketing criteria. Marketing materials have included brochures, letters, advertisements, posters and relevant Internet website pages. The marketing criteria are outlined in detail in Section 4 of the *National GreenPower Accreditation Document Version 3.3, September 2006* and include:

1. GreenPower product providers are contractually required to use the GreenPower logo in advertisements and marketing material associated with their GreenPower products;
2. The GreenPower logo must be used in compliance with the logo usage requirements and guidelines available on the website (www.greenpower.gov.au);
3. GreenPower product providers must refer to their product's accreditation in all advertising and marketing (online, print, broadcast) in connection with the product or the Program as per the GreenPower Provider Agreement;
4. In marketing relating to the composition of a GreenPower product, the Product Provider must provide clear information about the portions of GreenPower accredited electricity and non-accredited electricity that will be provided. Where the balance of a product is 100 per cent renewable (but not GreenPower accredited), the distinction between GreenPower accredited and non-accredited renewable energy must be clear and obvious. If GreenPower product providers offer their product as a 'block tariff', the provider must clearly communicate how the 'block' is structured and what the 'block' translates to in terms of KWh of GreenPower purchased per day/month/quarter; and
5. GreenPower product providers must ensure that they do not undertake misleading advertising or conduct in relation to GreenPower.

Table 2.9 overleaf, provides a detailed breakdown of compliance according to each of the accreditation criteria for the settlement period.

GreenPower product providers that do not meet 100 per cent compliance with the above criteria will be expected to rectify this in due course.

The compliance rating is based on a five star scale corresponding to the per cent compliance values detailed below.

*****	80 per cent to 100 per cent marketing compliance
****	60 per cent to 79 per cent marketing compliance
***	40 per cent to 59 per cent marketing compliance
**	20 per cent to 39 per cent marketing compliance
*	0 per cent to 19 per cent marketing compliance

Table 2.9 GreenPower Product Marketing Review

Provider	Use and Compliance of GP Logo	Accreditation Reference	Treatment of Blends	Absence of Misleading Conduct	Compliance Rating
ActewAGL	*****	*****	*****	*****	*****
AGL	*****	*****	*****	*****	*****
Climate Friendly	*****	*****	NA	*****	*****
Country Energy	*****	*****	*****	*****	*****
EnergyAustralia	*****	*****	NA	*****	*****
EA IPR Retail Partnership	*****	*****	*****	*****	*****
Energex	*****	*****	NA	*****	*****
Energy Pacific	*****	*****	*****	*****	*****
Ergon Energy	*****	*****	*****	*****	*****
Global Green Plan	*****	*****	NA	*****	*****
Integral Energy	*****	*****	*****	*****	*****
Jackgreen	*****	*****	NA	*****	*****
Origin Energy	*****	*****	*****	*****	*****
Synergy	*****	*****	*****	*****	*****
TRUenergy	*****	*****	*****	*****	*****

3.1 Audit Process

This is the ninth audit of the GreenPower Program, with audit systems being established in collaboration with the NSW Department of Water and Energy (DWE). Audit systems are subject to refinement as the program develops.

3.1.1 Technical Audit Process

The 2006 audit process consisted of an assessment of each GreenPower product for technical compliance with the *National GreenPower Accreditation Document Version 3.3, September 2006*. GreenPower product providers were required to complete the Annual Technical Audit Report. Independent auditors assessed information provided against the accreditation criteria and completed an independent audit statement.

In cases where information was inadequate or contradictory, providers were consulted and where appropriate, GreenPower generators were contacted directly.

3.1.2 National GreenPower Accreditation Criteria

A summary of the National GreenPower Accreditation Criteria is provided in Table 3.1. An unabridged copy of the of the *National GreenPower Accreditation Document Version 3.3, September 2006* is provided in Appendix A.

Table 3.1 National GreenPower Accreditation Criteria

Technical Accreditation Criteria		Description
3.1	Technical Auditing	The GreenPower provider must provide the Program Manager with the reports and other information necessary to carry out a technical audit of all GreenPower products each year. The technical report must be audited by an independent and suitably qualified auditor (Tier 1 or Tier 2 accounting companies) appointed by the GreenPower provider.
3.2	Use of GreenPower Generators	All electricity generators installed as a result of or used by GreenPower products must: be approved by the Program Manager; and conform to the definition and eligibility requirements of a GreenPower generator as set out in Section 5. The Program Manager, on behalf of the NGPSG, has the right to disallow particular generators that in its opinion do not fulfil the definition of a GreenPower generator.

Technical Accreditation Criteria		Description
3.3	Changes to the GreenPower Product and Generators	GreenPower providers must alert the Program Manager in writing of any changes that are made to the operation of the product (e.g. product structure, changes in fuel sources, etc) prior to those changes taking effect. GreenPower product providers are not required to seek approval from DWE for inclusion of "new" GreenPower generators; however this information must be advised in the Quarterly Report following the inclusion. It is the provider's responsibility to ensure that those generators being used in their product do have GreenPower approval.
3.4	Minimum Percentage Requirement of Accredited GreenPower in Blended Products	GreenPower product providers must source a minimum 10 per cent GreenPower content in products offered to new residential customers as of 1 March 2006 for consumption-based products and by 1 January 2007 for block-based products. The minimum block-based product is set at 647kWh/year from 1 January 2007 to 31 December 2009. This value represents 10 per cent of the national average residential electricity consumption. Existing residential contracts with end users for a blended GreenPower product made up of less than 10 per cent accredited GreenPower are to be amended accordingly by 1 March 2007 for consumption-based GreenPower products and by 1 January 2008 for block-based GreenPower products.
3.5	Proportion of Energy from 'New' GreenPower Generators	As of 1 July 2006, the GreenPower component of all residential and commercial GreenPower products for all new customers must be derived from a 'new' GreenPower generator. Existing residential and commercial contracts for existing GreenPower products that do not meet this criterion have until 31 December 2008 to be amended accordingly.
3.6	Claims of Eligible Generation for GreenPower Products	This criterion relates to a set of conditions for valid claims of GreenPower generation purchases. GreenPower product providers must demonstrate ownership of the GreenPower generation (or portion thereof) purchased during the settlement period. Additionally, a Renewable Energy Certificate (REC) must be surrendered for each MWh of new generation allocated through the product. Refer to the *National GreenPower Accreditation Document, Version 3.3* for additional details.
3.7	Balancing GreenPower Supply and Demand	Each product must have an identified **settlement period** over which GreenPower supply balances demand i.e. GreenPower product providers are required to have made valid claims for GreenPower purchases (as defined in Section 3.6) equivalent to the amount sold to their customers through their GreenPower product within the settlement period. For 2006, this settlement period is the 12-month period from 1 January 2006 to 31 December 2006. The Program Manager will allow a 3 month **reconciliation period** after the end of the settlement period. In cases where there is a shortfall of valid claims for new GreenPower purchases to satisfy new generation requirements for sales of a GreenPower product, a number of conditions apply. Additional details are provided in the *National GreenPower Accreditation Document, Version 3.3*

Technical Accreditation Criteria		Description
3.8	Transfer of Renewable Energy Certificates (RECs)	GreenPower product providers are required to transfer (or 'set aside') 'eligible' RECs as created under MRET for each MWh of generation classified as 'new' GreenPower generation acquired by the provider and sold as part of a GreenPower product within a settlement period. In order to comply, GreenPower product providers are required to set up their own GreenPower **Designated Account** on the REC Registry into which RECs for GreenPower compliance will be transferred. GreenPower product providers are not permitted to use these RECs to meet their obligations under MRET, and such RECs must remain in the Designated Account until otherwise notified by the Program Manager. The transfer of RECs must be made each year within 12 weeks of the end of the settlement period. Concession arrangements for compliance will apply in certain circumstances as outlined within the *National GreenPower Accreditation Document, Version 3.3.*
3.9	Eligibility of RECs	Only RECs created by a GreenPower generator are eligible for transfer against the requirement for transfers arising as a result of 'new' generation GreenPower sales. There is no requirement to transfer RECs from the same GreenPower generators as are used in the product.
3.10	Shortfall in RECs	Any new GreenPower sales for which a concession cannot be claimed and RECs are not transferred, cannot be validly claimed as GreenPower in accordance with Section 3.6. Where a shortfall for meeting supply with demand occurs as a result, the conditions outlined in Section 3.7 will apply.
3.11	GreenPower Provider Purchase of GreenPower Products	Under the Program, all GreenPower product providers are required to purchase GreenPower at a level which entitles them to use the GreenPower Customer logo. This level is defined in the GreenPower Logo Usage Guidelines This requirement applies to each energy supplier's Retail arm as a minimum.
3.12	Treatment of System Losses	GreenPower product providers can choose if they wish to specify to the customer and Program Manager whether transmission and/or distribution system losses attributable to a GreenPower customer are supplied from GreenPower electricity generators. If system losses are included, generation supplying these losses must conform to all requirements above, including the requirements for new generation.
4.2	Marketing Compliance Review	Energy providers who participate in the Program must submit all GreenPower marketing materials currently in use to the Program Manager to verify compliance with the guidelines outlined in this code. The Marketing Compliance Review occurs biannually as part of the June Quarterly report and the Annual Audit.
4.3	Provision of Information to Customers	Each energy provider wishing to use the GreenPower logo, or claim GreenPower accreditation for any of their electricity products agrees to provide customers with information on the GreenPower product as defined in the *National GreenPower Accreditation Document, Version 3.3.*

Technical Accreditation Criteria		Description
4.4	Use of GreenPower Logo	Four logos have been developed to build recognition of GreenPower products, customers, “new” GreenPower generators and GreenPower events. GreenPower product providers are contractually required to use the GreenPower product logo in advertisements and marketing material associated with their GreenPower products. GreenPower product providers must refer to their product's accreditation in all advertising and marketing (online, print, broadcast) in connection with the product or the Program as per the GreenPower Provider Agreement. This will be audited for compliance as part of the Marketing Compliance Review. Customers may be entitled to use the GreenPower Customer logo if they have purchased or contracted to purchase sufficient levels of GreenPower, in accordance with the requirements, outlined in the GreenPower Logo Usage Guidelines.
4.5	Treatment of Blends of GreenPower and Other Energy	Prior to entering into an agreement to provide energy to a customer, and in all marketing and advertising related to the composition of a GreenPower product, the provider must provide clear information about the portions of GreenPower accredited electricity and non-accredited electricity that will be provided (for each level of GreenPower on offer). Where the balance of a product is 100 per cent renewable (but not GreenPower accredited) the distinction between GreenPower accredited and non-accredited renewable energy must be clear and obvious. If a customer is offered a 'block tariff', the provider must clearly communicate how the 'block' is structured (e.g. proportions of GreenPower approved energy and other components) and what the ‘block’ translates to in terms of approximate kWh of GreenPower purchased per day/month/quarter, emphasising that calculations are based on average consumer consumption levels rather than actual.
4.6	Misleading Conduct	GreenPower product providers must ensure that they do not undertake, in the opinion of the Program Manager, misleading advertising or conduct in relation to GreenPower. Of particular importance is misleading advertising relating to the composition of GreenPower products. Additional details on misleading conduct are provided in the *National GreenPower Accreditation Document, Version 3.3.*

The following sections provide a description and summary assessment of compliance for each GreenPower product.

4.1 Product Description

Availability: All residential and commercial customers Australia-wide.

Residential Customer Options: Choose GreenChoice5, GreenChoice10 or GreenChoice15. ActewAGL will then purchase 5, 10 or 15 kWh of electricity per day from GreenPower approved renewable sources for each GreenChoice residential customer.

Commercial Customer Options: Choose Business GreenChoice10. Commercial customers may elect to purchase multiples of 10 kWh per day. ActewAGL will then purchase the number of standard units nominated per day from GreenPower approved renewable sources.

Contact ActewAGL: On 13 14 93 or visit www.actewagl.com.au/greenchoice.

4.2 Product Summary

Customer Numbers have increased from 6,505 as of December 2005 to 7,531 as of December 2006, with 7,450 residential and 81 commercial customers.

GreenPower Sales have decreased from 26,582 MWh for the 2005 settlement period to 20,165 MWh in 2006. GreenPower sales to residential customers were 17,285 MWh and sales to commercial customers were 2,880 MWh.

GreenPower Purchases have decreased from 26,582 MWh for the 2005 settlement period to 20,165 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (14,709 MWh), hydro (456 MWh) and biomass (5,000 MWh).

GreenPower Events powered by ActewAGL totalled one, with 3.88 MWh of GreenPower allocated through this event.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 4.1, 4.2 and 4.3.

Table 4.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	5,322	5,587	6,017	7,450	NA
Commercial	37	44	50	81	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	456	456
New GreenPower	0	0	0	19,709	19,709
Total	**0**	**0**	**0**	**20,165**	**20,165**
Sales (MWh)					
Existing GreenPower	31	32	7	385	456
New GreenPower	3,991	4,196	4,520	7,002	19,709
Total	**4,022**	**4,228**	**4,527**	**7,387**	**20,165**

Table 4.2 GreenPower Generators

Name of Generator	E/N[1]	Type[2]	Location	GreenPower Approved
Canunda Wind Farm	N	W	Tantanoola, SA	✓
Eildon Power Station	E	H	Eildon – Goulburn R, VIC	✓
West Nowra Landfill	N	B	West Nowra, NSW	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 4.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	14,709	0	456	5,000	**20,165**
Total GreenPower Sales	14,709	0	456	5,000	**20,165**
Percentage of GreenPower Sales	**73%**	**0%**	**2%**	**25%**	

4.3 Audit Verification

URS independent audit of ActewAGL confirms that its GreenPower product, ***GreenChoice*****,** is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

5.1 Product Description

Availability: Residential customers in NSW, SA and VIC and commercial customers in all states except WA.

Residential Customer Options: Choose to purchase the equivalent of 10 per cent, 25 per cent, 50 per cent or 100 per cent of electricity from GreenPower approved renewable energy sources.

Commercial Customer Options: Select the preferred level of green tariff anywhere from 1 per cent to 100 per cent.

Contact AGL: On 13 12 45 or visit: www.agl.com.au.

5.2 Product Summary

Customer Numbers have increased from 7,045 as of December 2005 to 10,691 as of December 2006, with 2,819 residential and 7,872 commercial customers.

GreenPower Sales have increased from 29,403 MWh for the 2005 settlement period to 41,613 MWh in 2006. GreenPower sales to residential customers were 4,618 MWh and sales to commercial customers were 36,996 MWh.

GreenPower Purchases have increased from 428,818 MWh for the 2005 settlement period to 1,274,737 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (450,590 MWh), Hydro (563,186 MWh) and biomass (260,961 MWh).

GreenPower Events powered by AGL totalled seven, with 351 MWh of GreenPower allocated through these events.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 5.1, 5.2 and 5.3.

Table 5.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	2,293	2,455	2,641	2,819	NA
Commercial	6,414	7,278	7,321	7,872	NA
Purchases (MWh)					
Existing GreenPower	141,456	69,447	229,704	300,361	**740,968**
New GreenPower	142,374	100,499	133,331	157,565	**533,769**
Total	**283,830**	**169,946**	**363,035**	**457,926**	**1,274,737**
Sales (MWh)					
Existing GreenPower	2,064	2,341	1,940	1,854	**8,199**
New GreenPower	8,257	9,366	7,813	7,979	**33,413**
Total	**10,321**	**11,707**	**9,753**	**9,833**	**41,613**

Table 5.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Broadmeadows Landfill	E	B	Broadmeadows, VIC	✓
Canunda Wind Farm	N	W	Tantanoola, SA	✓
Clayton Landfill	E	B	Clayton, VIC	✓
Dartmouth Power Station	E	H	Dartmouth, VIC	✓
Eildon Power Station	E	H	Eildon – Goulburn R, VIC	✓
Glenorchy Landfill	N	B	Glenorchy, TAS	✓
Highbury Landfill	E	B	Highbury, SA	✓
Hobart Landfill	N	B	Hobart, TAS	✓
Kelvin Road Landfill	N	B	Gosnells, WA	✓
Millar Road Landfill	N	B	Rockingham, WA	✓
Pedlars Creek Landfill	E	B	Noarlunga, SA	✓
Pindari HEPS	N	H	Ashford, NSW	✓
Springvale Landfill	E	B	Springvale, VIC	✓
Starfish Hill Wind Farm	N	W	Cape Jervis, SA	✓
Tea Tree Gully Landfill	E	B	St Agnes, SA	✓
Wattle Point Wind Farm	N	W	Wattle Point, SA	✓
Werribee STP	N	B	Werribee, VIC	✓
West Nowra Landfill	N	B	West Nowra, NSW	✓
Wingfield I Landfill	E	B	Wingfield, SA	✓
Wingfield II Landfill	E	B	Wingfield, SA	✓

1. E = “Existing” GreenPower Generator, N = “New” GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 5.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	450,590	0	563,186	260,961	**1,274,737**
Total GreenPower Sales	30,914	0	4,000	6,699	**41,613**
Percentage of GreenPower Sales	**74%**	**0%**	**10%**	**16%**	

5.3 Audit Verification

URS independent audit of AGL confirms that its GreenPower product, ***Green Energy***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

6.1 Product Description

Availability: Residential customers in VIC, NSW and SA.

Residential Customer Options: Green Living is a 10 per cent GreenPower accredited product for existing residential customers.

Contact AGL: On 13 12 45 or visit: www.agl.com.au.

6.2 Product Summary

Customer Numbers have increased from 18,446 as of December 2005 to 20,985 as of December 2006, all being residential customers.

GreenPower Sales have increased from 971 MWh during 2005 settlement period to 6,027 MWh in 2006.

GreenPower Purchases have increased from 971 MWh for the 2005 settlement period to 6,027 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from Canunda Wind Farm.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 6.1, 6.2 and 6.3.

Table 6.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	24,144	24,722	22,896	20,985	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	974	1,443	2,122	1,488	**6,027**
Total	**974**	**1,442**	**2,122**	**1,488**	**6,027**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	974	1,443	2,122	1,448	**6,027**
Total	**974**	**1,443**	**2,122**	**1,448**	**6,027**

Table 6.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Canunda Wind Farm	N	W	Tantanoola, SA	✓

3. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
4. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 6.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	6,027	0	0	0	**6,027**
Total GreenPower Sales	6,027	0	0	0	**6,027**
Percentage of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

6.3 Audit Verification

URS independent audit of AGL confirms that its GreenPower product, ***Green Living***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

7.1 Product Description

Climate Friendly offers GreenPower nationally using a web interface. While Climate Neutral customers continue to purchase electricity from their standard electricity supplier, Climate Friendly purchases and surrenders the equivalent number of GreenPower Rights and Renewable Energy Certificates (RECs) from eligible generation sources to meet the customer's electricity consumption.

Availability: Residential and commercial customers throughout Australia.

Residential Customer Options: Select one of three options: Emerald – 100 per cent accredited GreenPower, Green – 25 per cent accredited GreenPower, Economy – 10 per cent accredited GreenPower.

Commercial Customer Options: Select one of three options: Emerald – 100 per cent accredited GreenPower, Green – 25 per cent accredited GreenPower, Economy – 10 per cent accredited GreenPower.

Contact Climate Friendly: On 1300 CLIMATE, or visit www.climatefriendly.com

7.2 Product Summary

Customer Numbers have increased from 13 as of December 2005 to 185 as of December 2006, with 157 residential customers and 28 commercial customers.

GreenPower Sales have increased from 126 MWh for the 2005 settlement period to 4,128 MWh in 2006. GreenPower sales to residential customers were 392 MWh and sales to commercial customers were 3,735 MWh.

GreenPower Purchases have increased from 120 MWh for the 2005 settlement period to 4,200 MWh for the 2006 settlement period. The shortfall of six GreenPower Rights from the 2005 settlement period has been carried forward into this 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (4,000 MWh) and biomass generators (200 MWh).

GreenPower Events powered by Climate Friendly totalled 10, with 9.85 MWh of GreenPower allocated through these events.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 7.1, 7.2 and 7.3.

Table 7.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	22	33	64	157	NA
Commercial	9	12	19	28	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0	4,000	0	200	**4,200**
Total	**0**	**4,000**	**0**	**200**	**4,200**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	17	3,418	187	506	**4,128**
Total	**17**	**3,418**	**187**	**506**	**4,128**

Table 7.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Alinta Wind Farm (Walkaway)	N	W	Geraldton, WA	✓
Wollert Renewable Energy Facility	N	B	Wollert, VIC	✓

Table 7.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	4,000	0	0	200	**4,200**
Total GreenPower Sales	4,000	0	0	128	**4,128**
Proportion of GreenPower Sales	**97%**	**0%**	**0%**	**3%**	

7.3 Audit Verification

URS independent audit of Climate Friendly confirms that its GreenPower product, ***Climate Neutral Power***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

8.1 Product Description

Availability: Residential and commercial customers in NSW and VIC and contestable commercial customers in QLD, ACT and SA.

Residential Customer Options: Select one of three options: *liteGREEN, livingGREEN* or *pureGREEN* – an amount approximately equal to 20 per cent, 50 per cent or 100 per cent of electricity consumption will be sourced from GreenPower approved sources.

Commercial Customer Options: Choose to purchase anywhere between 2.5 per cent and 100 per cent energy from GreenPower approved renewable sources.

Contact Country Energy: On 13 23 56, or visit www.countryenergy.com.au.

8.2 Product Summary

Customer Numbers have decreased from 2,676 as of December 2005 to 2,403 as of December 2006, with 1,471 residential and 932 commercial customers.

GreenPower Sales have increased from 36,077 MWh for the 2005 settlement period to 61,259 MWh in 2006. GreenPower sales to residential customers were 3,942 MWh and sales to commercial customers were 57,317 MWh.

GreenPower Purchases have increased from 147,535 MWh for the 2005 settlement period to 371,661 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (205,947 MWh), solar (126 MWh), hydro (71,633 MWh) and biomass generators (93,954 MWh).

GreenPower Events powered by Country Energy totalled 71, with 42.24 MWh of GreenPower allocated through these events.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 8.1, 8.2 and 8.3.

Table 8.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	1,782	1,676	1,598	1,471	NA
Commercial	908	903	925	932	NA
Purchases (MWh)					
Existing GreenPower	38,628	6,939	5,654	19,755	**70,976**
New GreenPower	64,107	65,000	82,720	88,858	**300,685**
Total	**102,735**	**71,939**	**88,374**	**108,613**	**371,661**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	12,423	11,137	9,816	27,883	**61,259**
Total	**12,423**	**11,137**	**9,816**	**27,883**	**61,259**

Table 8.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Blayney Wind Farm	N	W	Blayney, NSW	✓
Broadwater Sugar Mill	N	B	Broadwater, NSW	✓
Burrendong HEPS	E	H	Wellington, NSW	✓
Camellia Biogas	N	B	Parramatta, NSW	✓
Chichester Dam	N	H	Chichester, NSW	✓
Copeton Reservoir	E	H	Inverell-Gwydir R, NSW	✓
Condong Sugar Mill	N	B	Condong, NSW	✓
Crookwell Wind Farm	N	W	Crookwell, NSW	✓
Dungog Hydro	N	H	Dungog, NSW	✓
Harwood Sugar Mill	E	B	Harwood, NSW	✓
Lake Bonney Wind Farm Stage One	N	W	Millicent, SA	✓
Lucas Heights II Landfill	N	B	Lucas Heights, NSW	✓
Queanbeyan Solar Farm	N	S	Queanbeyan, NSW	✓
Rochdale Renewable Energy Facility	N	B	Rochdale, QLD	✓
Somerset Dam	E	H	Brisbane, QLD	✓
Western Plains Zoo	N	S	Dubbo, NSW	✓
Whitwood Road Renewable Energy Facility	N	B	Ipswich, QLD	✓
Wonthaggi Wind Farm	N	W	Wonthaggi, VIC	✓
Wyangala Dam	E	H	Cowra - Lachlan R, NSW	✓
Wyangala B	N	H	Cowra – Lachlan R, NSW	✓

1. E = “Existing” GreenPower Generator, N = “New” GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 8.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	205,947	126	71,634	93,954	**371,661**
Total GreenPower Sales	61,259	0	0	0	**61,259**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

8.3 Audit Verification

URS independent audit of Country Energy confirms that its GreenPower product, ***countrygreen***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

9.1 Product Description

Availability: Residential and commercial customers in NSW, ACT, VIC, QLD and SA.

Residential Customer Options: 12.5 per cent GreenPower accredited product offered at $1.50 extra per week, based on an average annual household electricity consumption of 6,950kWh.

Commercial Customer Options: Tailored GreenPower solution, including the amount and type of renewable energy required to meet environmental targets.

Contact Country Energy: On 13 23 56, or visit www.countryenergy.com.au.

9.2 Product Summary

Customer Numbers have increased from 8,640 as of December 2005 to 16,930 as of December 2006, with 15,675 residential and 1,255 commercial customers.

GreenPower Sales have increased from 4,187 MWh during the 2005 settlement period to 12,092 MWh in 2006. GreenPower sales to residential customers were 9,826 MWh and sales to commercial customers were 2,266 MWh.

GreenPower Purchases have decreased from 194,867 MWh for the 2005 settlement period to 12,092 MWh for the 2006 settlement period. All GreenPower purchases for the 2006 settlement period were sourced from wind generators.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 9.1, 9.2 and 9.3.

Table 9.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	10,059	12,933	13,975	15,675	NA
Commercial	680	797	760	1,255	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	1,889	2,345	3,174	4,684	**12,092**
Total	**1,889**	**2,345**	**3,174**	**4,684**	**12,092**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	1,889	2,345	3,174	4,684	**12,092**
Total	**1,889**	**2,345**	**3,174**	**4,684**	**12,092**

Table 9.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Lake Bonney Wind Farm Stage One	N	W	Millicent, SA	✓
Wonthaggi Wind Farm	N	W	Wonthaggi, VIC	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 9.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	12,092	0	0	0	**12,092**
Total GreenPower Sales	12,092	0	0	0	**12,092**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

9.3 Audit Verification

URS independent audit of Country Energy confirms that its GreenPower product, ***countrygreen energy***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

10.1 Product Description

Availability: EnergyAustralia's residential and small business customers in NSW, QLD and ACT.

Residential Customer Options: Residential and small business customers elect to purchase 100 per cent of their electricity use from approved renewable sources.

Commercial Customer Options: Contestable commercial and industrial customers may select any percentage of energy consumption from GreenPower approved renewable energy sources.

Contact EnergyAustralia: On 13 15 35, or visit www.energy.com.au.

10.2 Product Summary

This product was not reported separately during the quarterly reporting periods of the 2006 settlement period. Therefore trend data will not be available.

Customer Numbers were 7,023 as of December 2006, with 5,157 residential and 1,866 commercial customers.

GreenPower Sales were 137,148 MWh for the 2006 settlement period. GreenPower sales to residential customers were 21,759 MWh and sales to commercial customers were 115,388 MWh.

GreenPower Purchases were 414,352 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (233,694 MWh), solar (664 MWh), hydro (51,154 MWh) and biomass generators (128,840 MWh).

GreenPower Events powered by EnergyAustralia totalled two, with 2 MWh of GreenPower allocated through these events.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 10.1, 10.2 and 10.3.

Table 10.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	5,067	4,838	4,747	5,157	NA
Commercial	1,687	1,703	1,832	1,866	NA
Purchases (MWh)					
Existing GreenPower	14,282	13,580	0	0	**27,862**
New GreenPower	86,675	84,280	97,835	117,699	**386,489**
Total	**100,958**	**97,860**	**97,835**	**117,699**	**414,352**
Sales (MWh)					
Existing GreenPower	2,182	2,154	0	0	**4,336**
New GreenPower	32,195	31,776	35,705	33,135	**132,812**
Total	**34,377**	**33,930**	**35,705**	**33,135**	**137,148**

Table 10.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Banimboola Power Station	N	H	Dartmouth Dam - Mitta Mitta R, VIC	✓
Belrose Landfill	E	B	Belrose, NSW	✓
Foreshore Park Solar System	N	S	Newcastle, NSW	✓
Glenbawn HEPS	E	H	Aberdeen, NSW	✓
Kooragang Wind Turbine	N	W	Newcastle, NSW	✓
Lucas Heights I Landfill	E	B	Lucas Heights, NSW	✓
Lucas Heights I Landfill - Expansion	N	B	Lucas Heights, NSW	✓
Lucas Heights II Landfill	N	B	Lucas Heights, NSW	✓
Molendinar Landfill	N	B	Molendinar, QLD	✓
Mornington Landfill	N	B	Mornington, VIC	✓
National Innovation Centre	E	S	Redfern, NSW	✓
Olympic Solar Village	N	S	Homebush, NSW	✓
Singleton Solar Farm (Stage 1)	N	S	Singleton, NSW	✓
Singleton Solar Farm (Stage 2)	N	S	Singleton, NSW	✓
Stapylton Green Waste to Energy (Stage 1)	N	B	Stapylton, QLD	✓
Suntown Landfill	N	B	Suntown, QLD	✓
Sydney Superdome Solar System	N	S	Homebush, NSW	✓
Wivenhoe Hydro	N	H	Ipswich – Brisbane R, QLD	✓
Woolnorth Bluff Point Wind Farm (Stage 1)	N	W	Woolnorth, TAS	✓
Wyndham Landfill	N	B	Wyndham, QLD	✓

1. E = “Existing” GreenPower Generator, N = “New” GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 10.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	233,694	664	51,154	128,840	**414,352**
Total GreenPower Sales	51,285	663	42,628	42,572	**137,148**
Proportion of GreenPower Sales	**56%**	**0%**	**12%**	**31%**	

10.3 Audit Verification

URS independent audit of EnergyAustralia confirms that its GreenPower product, ***PureEnergy Premium***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

11.1 Product Description

Availability: EnergyAustralia's residential and small business customers in NSW and contestable commercial and industrial customers in NSW, QLD and ACT

Residential Customer Options: Residential customer's purchase 10 per cent of their electricity from GreenPower approved renewable energy sources.

Commercial Customer Options: Contestable commercial and industrial customers may select 10 per cent of their energy consumption from GreenPower approved renewable energy sources.

Contact EnergyAustralia: On 13 15 35, or visit www.energy.com.au.

11.2 Product Summary

This product was not reported separately during the quarterly reporting periods of the 2006 settlement period. Therefore trend data is not available.

Customer Numbers were 1,242 as of December 2006, with 1,239 residential and three commercial customers.

GreenPower Sales were 63 MWh for the 2006 settlement period. GreenPower sales to residential customers were 62.35 MWh and sales to commercial customers were 0.44 MWh.

GreenPower Purchases were 1,000 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (958 MWh), solar (1 MWh), hydro (20 MWh) and biomass generators (21 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 11.1, 11.2 and 11.3.

Table 11.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	0	0	76	1,239	NA
Commercial	0	0	0	3	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0	0	0	1,000	**1,000**
Total	**0**	**0**	**0**	**1,000**	**1,000**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0	0	5	58	**63**
Total	**0**	**0**	**5**	**58**	**63**

Table 11.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Banimboola Power Station	N	H	Dartmouth Dam - Mitta Mitta R, VIC	✓
Lucas Heights I Landfill - Expansion	N	B	Lucas Heights, NSW	✓
Singleton Solar Farm (Stage 1)	N	S	Singleton, NSW	✓
Woolnorth Bluff Point Wind Farm (Stage 1)	N	W	Woolnorth, TAS	✓

Table 11.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	958	1	20	21	**1,000**
Total GreenPower Sales	60	0.06	1.26	1.32	**63**
Proportion of GreenPower Sales	**96%**	**0%**	**2%**	**2%**	

11.3 Audit Verification

URS independent audit of EnergyAustralia confirms that its GreenPower product, ***PureEnergy 10,*** is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

The EA-IPR Retail Partnership, trading as EnergyAustralia, is a 50:50 joint venture between EnergyAustralia and International Power.

12.1 Product Description

Availability: Residential customers and small / medium size commercial customers in VIC and SA.

Residential Customer Options: Choose to purchase 10 per cent of their electricity use from approved renewable sources.

Commercial Customer Options: Small / medium size commercial customers choose to purchase 10 per cent of their electricity use from approved renewable sources.

Contact EnergyAustralia: On 13 88 08, or visit www.simplyenergy.com.au.

12.2 Product Summary

Customer Numbers have increased from 9,628 as of December 2005 to 86,836 as of December 2006, with 86,426 residential and 410 commercial customers.

GreenPower Sales have increased from 730 MWh for the 2005 settlement period to 33,037 MWh in 2006. GreenPower sales to residential customers were 32,904 and sales to commercial customers were 133 MWh.

GreenPower Purchases have increased from 6,594 MWh for the 2005 settlement period to 34,736 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (13,370 MWh) and biomass (21,366 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 12.1, 12.2 and 12.3.

Table 12.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	29,421	48,420	68,807	86,426	NA
Commercial	28	43	195	410	NA
Purchases (MWh)					
Existing GreenPower	589	1,374	1,627	2,775	**6,366**
New GreenPower	2,358	5,496	9,758	10,758	**28,370**
Total	**2,947**	**6,870**	**11,385**	**13,534**	**34,736**
Sales (MWh)					
Existing GreenPower	589	1,374	1,627	1,856	**5,447**
New GreenPower	2,358	5,496	9,758	9,978	**27,590**
Total	**2,947**	**6,870**	**11,385**	**11,834**	**33,037**

Table 12.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Albany Wind Farm	N	W	Albany, WA	✓
Brooklyn Landfill	N	B	Brooklyn, VIC	✓
Radius Power Station	E	B	Mt Gambia, SA	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 12.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	13,370	0	0	21,366	**34,736**
Total GreenPower Sales	12,589	0	0	20,477	**33,037**
Proportion of GreenPower Sales	**38%**	**0%**	**0%**	**62%**	

12.3 Audit Verification

URS independent audit of EA-IPR Retail Partnership confirms that its GreenPower product, ***GreenSaver***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

EA-IPR Retail Partnership GreenSaver Premium

The EA-IPR Retail Partnership, trading as EnergyAustralia, is a 50:50 joint venture between EnergyAustralia and International Power.

13.1 Product Description

Availability: Residential and small / medium size commercial customers in VIC and SA.

Residential Customer Options: Choose to purchase 100 per cent of their electricity use from approved renewable sources.

Commercial Customer Options: Small / medium size commercial customers choose to purchase 100 per cent of their electricity use from approved renewable sources.

Contact EnergyAustralia: On 13 88 08, or visit www.simplyenergy.com.au.

13.2 Product Summary

Customer Numbers have increased from 6 as of December 2005 to 47 as of December 2006, with 46 residential and one commercial customer.

GreenPower Sales have increased from 4 MWh for the 2005 settlement period to 178 MWh in 2006. GreenPower sales to residential customers were 110 MWh and sales to commercial customers were 68 MWh.

GreenPower Purchases have increased from 66 MWh for the 2005 settlement period to 178 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (178 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 13.1, 13.2 and 13.3.

Table 13.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	12	15	26	46	NA
Commercial	1	1	1	1	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	29	35	48	66	**178**
Total	**29**	**35**	**48**	**66**	**178**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	29	35	48	66	**178**
Total	**29**	**35**	**48**	**66**	**178**

Table 13.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Albany Wind Farm	N	W	Albany, WA	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 13.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	178	0	0	0	**178**
Total GreenPower Sales	178	0	0	0	**178**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

13.3 Audit Verification

URS independent audit of EA-IPR Retail Partnership confirms that its GreenPower product, ***GreenSaver Premium***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

The EA-IPR Retail Partnership, trading as EnergyAustralia, is a 50:50 joint venture between EnergyAustralia and International Power. EA-IPR Retail Partnership launched Green@work on 5 September 2005 however was not reported on until the second quarter 2006.

14.1 Product Description

Availability: Commercial customers in VIC and SA.

Commercial Customer Options: Green@work customers choose any percentage of GreenPower accredited product.

Contact EnergyAustralia: On 13 88 08, or visit www.simplyenergy.com.au.

14.2 Product Summary

EA-IPR Retail Partnership Green@work was not reported on prior to second quarter 2006 and consequently trend data is not available.

Customer Numbers were 3 as of December 2006.

GreenPower Sales were 230 MWh for the 2006 settlement period.

GreenPower Purchases were 230 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind generators (230 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 14.1, 14.2 and 14.3.

Table 14.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	1	1	3	3	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	2	13	64	151	**230**
Total	**2**	**13**	**64**	**151**	**230**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	2	13	64	151	**230**
Total	**2**	**13**	**64**	**151**	**230**

Table 14.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Albany Wind Farm	N	W	Albany, WA	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 14.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	230	0	0	0	**230**
Total GreenPower Sales	230	0	0	0	**230**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

14.3 Audit Verification

URS independent audit of EA-IPR Retail Partnership confirms that its GreenPower product, ***Green@work***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

15.1 Product Description

As a result of industry restructure Energex transferred approximately 13,800 GreenPower customers to Powerdirect during the fourth quarter 2006. Sun Retail Pty Ltd, the former Energex subsidiary which provided the GreenPower Product earth'schoice, was sold to Origin Energy in the fourth quarter of the 2006 settlement period.

Availability: Energex residential and commercial customers, as well as contestable commercial customers Australia wide.

Residential Customer Options: Choose a minimum kWh amount, ranging from 330 kWh to 1990 kWh per bill. For each contribution level, Energex will purchase a minimum amount of GreenPower on behalf of the customer.

Commercial Customer Options: Choose a percentage of electricity consumption or a fixed volume of green energy (minimum level of 2.5 per cent of electricity usage).

Contact Energex: On 13 12 53 or visit www.energex.com.au.

15.2 Product Summary

Customer Numbers have decreased from 36,798 as of December 2005 to 34,647 as of December 2006, with 34,110 residential and 537 commercial customers.

GreenPower Sales have increased from 118,021 MWh for the 2005 settlement period to 151,716 MWh in 2006. GreenPower sales to residential customers were 64,455 MWh and sales to commercial customers were 87,261 MWh.

GreenPower Purchases have increased from 136,139 MWh for the 2005 settlement period to 161,343 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (18,101 MWh), solar (611 MWh), hydro (3,351 MWh) and biomass generators (139,280 MWh).

GreenPower Events powered by Energex totalled 11, with 80 MWh of GreenPower allocated through these events.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 15.1, 15.2 and 15.3.

Table 15.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	38,217	41,634	45,053	34,110	NA
Commercial	277	299	476	537	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	18,819	27,102	56,581	58,841	**161,343**
Total	**18,819**	**27,102**	**56,581**	**58,841**	**161,343**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	45,136	43,776	34,156	28,648	**151,716**
Total	**45,136**	**43,776**	**34,156**	**28,648**	**151,716**

Table 15.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Browns Plains Landfill	N	B	Browns Plains, QLD	✓
Caboolture Region Env. Ed. Centre	N	S	Caboolture, QLD	✓
Edward Street Solar Project	N	S	Brisbane CBD, QLD	✓
EMU Downs Wind Farm	N	W	Badgingarra, WA	✓
Gecko House Solar Array	N	S	Currumbin, QLD	✓
Lander's Shute Pipeline	N	H	Lander's Shute, QLD	✓
Pindari HEPS	N	H	Ashford, NSW	✓
Rocky Point Sugar Mill Upgrade	N	B	Woongoolba, QLD	✓
Energex Residential Rooftop PV	N	S	Various, QLD	✓
South Cardup Renewable Energy Facility	N	B	South Cardup, WA	✓
Tweed Renewable Energy Facility	N	B	Stotts Creek, NSW	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 15.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	18,101	611	3,351	139,280	**161,343**
Total GreenPower Sales	16,339	361	3,351	131,665	**151,716**
Proportion of GreenPower Sales	**11%**	**0%**	**2%**	**87%**	

15.3 Audit Verification

URS independent audit of Energex confirms that its GreenPower product, ***earth'schoice***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

16.1 Product Description

Pacific Hydro launched a 100 per cent GreenPower product on 20 December 2006.

Availability: Commercial customers in NSW, VIC, QLD, SA, WA and ACT.

Commercial Customer Options: Commercial customers may elect to purchase GreenPower credits equivalent to 100 per cent of their electricity consumption.

Contact Energy Pacific: On (03) 9620 4400 or visit www.pacifichydro.com.au

16.2 Product Summary

Energy Pacific's Pacific Hydro product was not reported on prior to fourth quarter 2006 and consequently trend data is not available.

Customer Numbers were two as of 31 December 2006.

GreenPower Sales were 25,149 MWh for the 2006 settlement period.

GreenPower Purchases were 79,527 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind a generator.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 16.1, 16.2 and 16.3.

Table 16.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	NA	NA	NA	2	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0	0	0	79,527	**79,527**
Total	**0**	**0**	**0**	**79,527**	**79,527**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0	0	0	25,149	**25,149**
Total	**0**	**0**	**0**	**25,149**	**25,149**

Table 16.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Yambuk Wind Farm	N	W	Yambuk, VIC	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 16.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	79,527	0	0	0	**79,527**
Total GreenPower Sales	25,149	0	0	0	**25,149**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

16.3 Audit Verification

URS independent audit of Energy Pacific confirms that its GreenPower product, ***Pacific Hydro***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

17.1 Product Description

Due to an industry restructure during the fourth quarter of the 2006 GreenPower settlement period, the Clean Energy GreenPower product was provided in partnership by both Ergon Energy and Powerdirect Australia.

Availability: Franchise residential and commercial customers within Ergon Energy's franchise area.

Residential Customer Options: Choose the level of support, which ranges from $10 per bill to $120 per bill. For each contribution level, Ergon will purchase a set amount of energy from GreenPower approved sources on behalf of the customer.

Commercial Customer Options: Choose to allocate anywhere between 2.5 per cent to 100 per cent of electricity consumption from GreenPower approved sources.

Contact Ergon Energy: On 13 10 46, or visit www.ergon.com.au.

17.2 Product Summary

Due to an industry restructure during the fourth quarter of the 2006 GreenPower settlement period, the Clean Energy GreenPower product was not reported and consequently trend data is not available.

Customer Numbers were 42,079 as of December 2006, with 40,444 residential and 1,635 commercial customers.

GreenPower Sales were 18,024 MWh in 2006. GreenPower sales to residential customers were 12,989 MWh and sales to commercial customers were 5,035 MWh.

GreenPower Purchases were 18,024 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (9,012 MWh), hydro (5,407 MWh) and biomass generators (3,605 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 17.1, 17.2 and 17.3.

Table 17.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	28,989	33,352	37,358	40,444	NA
Commercial	756	1,041	1,324	1,635	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	4,047	4,209	4,627	5,141	**18,024**
Total	**4,047**	**4,209**	**4,627**	**5,141**	**18,024**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	4,047	4,209	4,627	5,141	**18,024**
Total	**4,047**	**4,209**	**4,627**	**5,141**	**18,024**

Table 17.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Koombooloomba Hydro (previously known as K5 unit)	N	H	Cairns QLD	✓
Tableland Sugar Mill	N	B	Arriga, QLD	✓
Tinaroo Hydro	N	H	Tinaroo, QLD	✓
Tully Sugar Mill Upgrade	N	B	Tully, QLD	✓
Windy Hill Wind Farm Stage I	N	W	Ravenshoe, QLD	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 17.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	9,012	0	5,407	3,605	**18,024**
Total GreenPower Sales	9,012	0	5,407	3,605	**18,024**
Proportion of GreenPower Sales	**50%**	**0%**	**30%**	**20%**	

17.3 Audit Verification

URS independent audit of Ergon Energy / Powerdirect confirms that its GreenPower product, ***Clean Energy***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

18.1 Product Description

Due to an industry restructure during the fourth quarter of the GreenPower reporting period, the Clean Energy Plus GreenPower product was renamed Cleangreen and was provided in partnership by both Ergon Energy and Powerdirect Australia. As a result of the restructure 13,000 residential and 10 commercial customers were transferred from Energex's earth'schoice product to Cleangreen.

Availability: Offered to contestable commercial customers throughout Australia and residential customers in QLD, NSW, SA, the ACT and VIC. Cleangreen is the 100 per cent accredited GreenPower product offered by Ergon Energy / Powerdirect Australia.

Residential Customer Options: Choose to purchase 100 per cent of their electricity use from GreenPower approved sources.

Commercial Customer Options: Choose to allocate anywhere between 2.5 per cent to 100 per cent of electricity consumption from GreenPower approved sources.

Contact Ergon Energy: On 13 10 46, or visit www.ergon.com.au.

18.2 Product Summary

Customer Numbers have increased from three commercial customers as of December 2005 to 14,038 customers as of December 2006, with 13,986 residential and 52 commercial customers.

GreenPower Sales have increased from 2,372 MWh for the 2005 settlement period to 8,756 MWh in 2006. GreenPower sales to residential customers were 2,739 MWh and sales to commercial customers were 6,018 MWh.

GreenPower Purchases have increased from 2,372 MWh for the 2005 settlement period to 8,756 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (3,505 MWh), hydro (2,337 MWh) and biomass generators (2,914 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 18.1, 18.2 and 18.3.

Table 18.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	0	0	0	13,986	NA
Commercial	3	3	4	52	NA
Purchases (MWh)					
Existing GreenPower	228	182	0	0	**411**
New GreenPower	913	729	625	6,078	**8,345**
Total	**1,141**	**912**	**625**	**6,078**	**8,756**
Sales (MWh)					
Existing GreenPower	228	182	0	0	**411**
New GreenPower	913	729	625	6,078	**8,345**
Total	**1,141**	**912**	**625**	**6,078**	**8,756**

Table 18.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Invicta Sugar Mill	E	B	Giru, QLD	✓
Koombooloomba Hydro (previously known as K5 unit)	N	H	Cairns, QLD	✓
Tableland Sugar Mill	N	B	Arriga, QLD	✓
Tinaroo Hydro	N	H	Tinaroo, QLD	✓
Tully Sugar Mill Upgrade	N	B	Tully, QLD	✓
Windy Hill Wind Farm Stage 1	N	W	Ravenshoe, QLD	✓

1. E = “Existing” GreenPower Generator, N = “New” GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 18.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	3,505	0	2,337	2,914	**8,756**
Total GreenPower Sales	3,505	0	2,337	2,914	**8,756**
Proportion of GreenPower Sales	**40%**	**0%**	**27%**	**33%**	100%

18.3 Audit Verification

URS independent audit of Ergon Energy / Powerdirect Australia confirms that its GreenPower product, ***Cleangreen***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

19.1 Product Description

Global Green Plan launched GreenSwitch during the third quarter 2006. Global Green Plan offers GreenSwitch using a web interface to residential customers and also directly to commercial customers. While GreenSwitch customers continue to purchase electricity from their standard electricity supplier, Global Green Plan purchases and surrenders the equivalent number of GreenPower Rights and Renewable Energy Certificates (RECs) from eligible generation sources to meet the customer's electricity consumption. GreenSwitch customers can tailor their energy portfolio by selecting specific generators or purchasing the GreenSwitch default energy mix.

Availability: GreenSwitch is available to all residential and commercial customers throughout Australia.

Residential Customer Options: Choose to purchase a percentage of GreenPower credits to offset their electricity use.

Commercial Customer Options: Commercial customers may elect to purchase a percentage of their electricity use as GreenPower credits.

Contact Global Green Plan: On (03) 9822 6335, or visit www.greenswitch.com.au

19.2 Product Summary

GreenSwitch GreenPower product was not reported on prior to the third quarter 2006 and consequently trend data is not available.

Customer Numbers were 76 as of December 2006, with 61 residential and 15 commercial customers.

GreenPower Sales were 4,928 MWh for the 2006 settlement period. GreenPower sales to residential customers were 188 MWh and sales to commercial customers were 4,740 MWh.

GreenPower Purchases were 4,928 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (3,875 MWh) and biomass generators (1,053 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 19.1, 19.2 and 19.3.

Table 19.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	NA	NA	17	61	NA
Commercial	NA	NA	2	15	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	0	0	**0**
New GreenPower	NA	NA	0	4,928	**4,928**
Total	**NA**	**NA**	**0**	**4,928**	**4,928**
Sales (MWh)					
Existing GreenPower	NA	NA	0	0	**0**
New GreenPower	NA	NA	890	4,038	**4,928**
Total	**NA**	**NA**	**890**	**4,038**	**4,928**

Table 19.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Albany Wind Farm	N	W	Albany, WA	✓
Wollert Renewable Energy Facility	N	B	Wollert, VIC	✓

3. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
4. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 19.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	3,875	0	0	1,053	**4,928**
Total GreenPower Sales	3,875	0	0	1,053	**4,928**
Proportion of GreenPower Sales	**79%**	**0%**	**0%**	**21%**	

19.3 Audit Verification

URS independent audit of Global Green Plan confirms that its GreenPower product, ***GreenSwitch***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

20.1 Product Description

Availability: Large commercial consumers in NSW, VIC and ACT.

Commercial Customer Options: Source a portion of electricity consumption from a range of GreenPower approved sources.

Contact Integral Energy: On 131 002 or visit www.integral.com.au.

20.2 Product Summary

Customer Numbers have increased from 530 commercial customers as of December 2005 to 533 as of December 2006.

GreenPower Sales have increased from 20,543 MWh for the 2005 settlement period to 49,549 MWh in 2006.

GreenPower Purchases have increased from 31,661 MWh for the 2005 settlement period to 142,509 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (32,641 MWh), solar (104 MWh), hydro generators (101,764 MWh) and biomass generators (8,000 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 20.1, 20.2 and 20.3.

Table 20.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	534	552	553	533	NA
Purchases (MWh)					
Existing GreenPower	1,001	1	1	88,501	**89,505**
New GreenPower	3,964	34,993	3,127	10,918	**53,003**
Total	**4,965**	**34,994**	**3,128**	**99,419**	**142,509**
Sales (MWh)					
Existing GreenPower	2,342	2,300	2,370	2,280	**9,293**
New GreenPower	10,052.	9,946	10,324	9,932	**40,256**
Total	**12,394**	**12,246**	**12,694**	**12,213**	**49,549**

Table 20.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
AV Jennings	N	S	Kellyville, NSW	✓
Bellingen High School	N	S	Bellingen, NSW	✓
Belmont High School	N	S	Belmont, NSW	✓
Blacktown West Public School	N	S	Blacktown, NSW	✓
Blaxland High School	N	S	Blaxland, NSW	✓
Buninyong Public School	N	S	Dubbo, NSW	✓
Buxton High School	N	S	Buxton, NSW	✓
Callala Public School	N	S	Callala Bay, NSW	✓
Campbelltown TAFE	N	S	Campbelltown, NSW	✓
Challicum Hills Wind Farm	N	W	Buangor, Ararat, VIC	✓
Cobar Public School	N	S	Cobar, NSW	✓
Codrington Wind Farm	N	W	Codrington, VIC	✓
Cooerwull Public School	N	S	Lithgow, NSW	✓
Cooma Public School	N	S	Cooma, NSW	✓
Dartmouth Power Station	E	H	Dartmouth, VIC	✓
Fitzroy Falls Centre Solar System	N	S	Fitzroy Falls, NSW	✓
Gunnedah South Public School	N	S	Gunnedah, NSW	✓
Hampton Wind Park	N	W	Hampton, NSW	✓
Hay Public School	N	S	Hay, NSW	✓
Hinchinbrook Public School	N	S	Huxton Park, NSW	✓
Integral Energy Head Office	N	S	Huntingwood, NSW	✓
Interlife Centre	E	S	Wentworth Falls, NSW	✓
International Regatta Centre	E	S	Penrith, NSW	✓
Lucas Heights I Landfill	E	B	Lucas Heights, NSW	✓
Millar Road Landfill	N	B	Rockingham, WA	✓
Mount St Thomas Public School	N	S	Mangerton, NSW	✓
Mt Annan Public School	N	S	Mt Annan, NSW	✓
Orange Public School	N	S	Orange, NSW	✓
Para Meadows Special School	N	S	North Wollongong, NSW	✓
Parramatta Public School	N	S	Parramatta, NSW	✓
Penrith High School	N	S	Penrith, NSW	✓
Port Kembla Public School	N	S	Port Kembla, NSW	✓

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Robertson Public School	N	S	Robertson, NSW	✓
Schofields Public School	N	S	Schofield, NSW	✓
Shoalhaven High School	N	S	Nowra, NSW	✓
St Bernadette's Primary School	N	S	Dundas, NSW	✓
Thirlmere Public School	N	S	Thirlmere, NSW	✓
Wiseman's Ferry Public School	N	S	Wiseman's Ferry, NSW	✓
Wyralla Road Public School	N	S	Lismore, NSW	✓
Wyuna Water (Kembla Grange)	N	H	Kembla Grange, NSW	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. H = Hydro, S = Solar, W = Wind, B = Biomass

Table 20.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	32,641	104	101,764	8,000	**142,509**
Total GreenPower Sales	32,641	0	13,221	3,687	**49,549**
Proportion of GreenPower Sales	**66%**	**0%**	**27%**	**7%**	

20.3 Audit Verification

URS independent audit of Integral Energy confirms that its GreenPower product, ***Business Green***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3.*

21.1 Product Description

Availability: This product is not offered to new customers, however existing Hampton Wind Park customers continue to be serviced.

Residential Customer Options: Choose to purchase 20 per cent, 50 per cent or 100 per cent of electricity (excluding off peak) matched with GreenPower from the Hampton Wind Park near Lithgow, NSW.

Contact Integral Energy: On 131 002 or visit www.integral.com.au.

21.2 Product Summary

Customer Numbers have decreased from 148 as of December 2005 to 106 residential customers as of December 2006.

GreenPower Sales have increased from 326 MWh for the 2005 settlement period to 475 MWh in 2006.

GreenPower Purchases have increased from 326 MWh for the 2005 settlement period to 475 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced entirely from Hampton Wind Park.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 21.1, 21.2 and 21.3.

Table 21.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	153	148	130	106	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	101	121	183	69	**475**
Total	**101**	**121**	**183**	**69**	**475**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	101	121	183	69	**475**
Total	**101**	**121**	**183**	**69**	**475**

Table 21.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Hampton Wind Park	N	W	Hampton, NSW	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. H = Hydro, S = Solar, W = Wind, B = Biomass

Table 21.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	475	0	0	0	475
Total GreenPower Sales	475	0	0	0	475
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

21.3 Audit Verification

URS independent audit of Integral Energy confirms that its GreenPower product, ***Hampton Wind Park***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

22.1 Product Description

*IN*green was launched during the quarter ending March 2006. *IN*green customers select either *IN*green Business, *IN*green Home or *IN*green Pure. *IN*green commercial customers select a preferred level of GreenPower ranging 2.5 per cent to 100 per cent. *IN*green Home is 10 per cent accredited and *IN*green Pure is 100 per cent accredited.

Availability: Residential and small retail business customers in NSW.

Residential Customer Options: Residential customers choose either 10 per cent or 100 per cent GreenPower accredited product.

Commercial Customer Options: Commercial customers choose to have either 2.5 per cent, 10 per cent, 75 per cent or 100 per cent of electricity matched with renewable energy from GreenPower approved renewable sources.

Contact Integral Energy: On 131 002 or visit www.integral.com.au.

22.2 Product Summary

Integral's *IN*green product was not reported on prior to the first quarter 2006 and consequently trend data is not available.

Customer Numbers were 9,601 as of December 2006 with 9,589 residential customers and 12 commercial customers.

GreenPower Sales were 2,558 MWh as of December 2006. GreenPower sales to residential customers were 2,483 MWh and sales to commercial customers were 76 MWh.

GreenPower Purchases were 2,558 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from hydro generators.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 22.1, 22.2 and 22.3.

Table 22.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	156	3,348	5,372	9,589	NA
Commercial	0	1	5	12	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0.61	56	1,273	1,228	**2,55**
Total	**0.61**	**56**	**1,273**	**1,228**	**2,558**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	0.61	56	1,273	1,228	**2,558**
Total	**0.61**	**56**	**1,273**	**1,228**	**2,558**

Table 22.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Wyuna Water (Kembla Grange)	N	H	Kembla Grange, NSW	✓

3. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
4. H = Hydro, S = Solar, W = Wind, B = Biomass

Table 22.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	2,558	0	**2,558**
Total GreenPower Sales	0	0	2,558	0	**2,558**
Proportion of GreenPower Sales	**0**	**0**	**100%**	**0**	

22.3 Audit Verification

URS independent audit of Integral Energy confirms that its GreenPower product, ***IN*green,**, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3.*

23.1 Product Description

Availability: This product is not offered to new customers; however existing Wyuna Water customers continue to be serviced.

Residential Customer Options: Choose to purchase 20 per cent, 50 per cent or 100 per cent of electricity (excluding off peak) matched with GreenPower from the Wyuna Water hydro-electric generator.

Contact Integral Energy: On 131 002 or visit www.integral.com.au.

23.2 Product Summary

Customer Numbers have decreased from 829 as of December 2005 to 17 as of December 2006, with 3 residential and 14 commercial customers.

GreenPower Sales have decreased from 2,776 MWh for the 2005 settlement period to 1,339 MWh in 2006. GreenPower sales to residential customers were 757 MWh and sales to commercial customers were 582 MWh.

GreenPower Purchases have decreased from 2,776 MWh for the 2005 settlement period to 1,339 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced entirely from Wyuna Water.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 23.1, 23.2 and 23.3.

Table 23.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	772	309	114	3	NA
Commercial	47	43	40	14	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	552	426	270	91	**1,339**
Total	**552**	**426**	**270**	**91**	**1,339**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	552	426	270	91	**1,339**
Total	**552**	**426**	**270**	**91**	**1,339**

Table 23.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Wyuna Water (Kembla Grange)	N	H	Kembla Grange, NSW	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. H = Hydro, S = Solar, W = Wind, B = Biomass

Table 23.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	1,339	0	1,339
Total GreenPower Sales	0	0	1,339	0	1,339
Proportion of GreenPower Sales	**0%**	**0%**	**100%**	**0%**	

23.3 Audit Verification

URS independent audit of Integral Energy confirms that its GreenPower product, ***Wyuna Water***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

24.1 Product Description

Availability: Jackgreen Power is available to residential customers in NSW, VIC and SA.

Residential Customer Options: Choose from a 10 per cent, 20 per cent, 50 per cent or 100 per cent GreenPower accredited product.

Contact Jackgreen: On 1300 46 5225, or visit www.Jackgreen.com.au

24.2 Product Summary

Jackgreen's Jackgreen Power was not reported on prior to third quarter 2006 and consequently trend data is not available.

Customer Numbers were 1,095 as of December 2006, consisting of 1,093 residential customers and two commercial customers.

GreenPower Sales were 55 MWh for the 2006 settlement period. GreenPower sales to residential customers amounted to 22 MWh and sales to commercial customers amounted to 33 MWh.

GreenPower Purchases were 125,803 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind generators.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 24.1, 24.2 and 24.3.

Table 24.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	NA	NA	229	1,093	NA
Commercial	NA	NA	2	2	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	0	0	**0**
New GreenPower	NA	NA	74,750	51,053	**125,803**
Total	**NA**	**NA**	**74,750**	**51,053**	**125,803**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	NA	NA	16	39	**55**
Total	**NA**	**NA**	**16**	**39**	**55**

Table 24.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Alinta Wind Farm (Walkaway)	N	W	Geraldton, WA	✓

5. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
6. H = Hydro, S = Solar, W = Wind, B = Biomass

Table 24.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	125,803	0	0	0	**125,803**
Total GreenPower Sales	55	0	0	0	**55**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

24.3 Audit Verification

URS independent audit of Jackgreen confirms that its GreenPower product, ***Jackgreen Power***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3.*

25.1 Product Description

Availability: Residential and commercial customers in NSW, VIC, SA and ACT and commercial customers only in QLD and WA.

Residential Customer Options: Choose to purchase the following GreenPower options: 100 per cent - GreenEarth Solar or GreenEarth Wind; 50 per cent - GreenEarth Extra; 20 per cent - GreenEarth 20 (VIC and SA) or 10 per cent - GreenEarth 10 (NSW).

Commercial Customer Options: Negotiate a percentage of GreenPower to suit individual needs.

Contact Origin Energy: On 13 24 63 or visit www.originenergy.com.au

25.2 Product Summary

Customer Numbers have increased from 68,868 as of December 2005 to 96,917 as of December 2006, with 95,804 residential and 1,113 commercial customers.

GreenPower Sales have increased from 98,419 MWh for the 2005 settlement period to 155,503 MWh in 2006. GreenPower sales to residential customers were 100,726 MWh and sales to commercial customers were 54,777 MWh.

GreenPower Purchases have increased from 480,524 MWh for the 2005 settlement period to 887,911 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (265,565 MWh), solar (1,537 MWh), hydro generators (610,823 MWh) and biomass generators (9,986 MWh).

GreenPower Events powered by Origin Energy totalled 29, with 20 GreenPower customers serviced and 4,079 MWh of GreenPower allocated through these events.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 25.1, 25.2 and 25.3.

Table 25.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	73,228	78,588	85,608	95,804	NA
Commercial	738	792	843	1,113	NA
Purchases (MWh)					
Existing GreenPower	16,489	10,417	15,688	566,679	**609,273**
New GreenPower	45,538	48,037	62,545	122,517	**278,638**
Total	**62,027**	**58,454**	**78,233**	**689,196**	**887,911**
Sales (MWh)					
Existing GreenPower	7,515	9,049	4,041	3,865	**24,470**
New GreenPower	27,921	30,662	38,734	33,716	**131,033**
Total	**35,436**	**39,711**	**42,775**	**37,581**	**155,503**

Table 25.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Barron Gorge	E	H	Cairns, QLD	✓
Challicum Hills Wind Farm	N	W	Buangor, Ararat, VIC	✓
Codrington Wind Farm	N	W	Codrington, VIC	✓
Corio Landfill	E	B	Corio, VIC	✓
Energex residential rooftop PV	N	S	Various, QLD	✓
Invicta Sugar Mill	E	B	Giru, QLD	✓
Kareeya	E	H	Cairns, QLD	✓
Malabar Sewage Treatment Facility	N	B	Malabar, NSW	✓
Nieterana Mini Hydro	N	H	Butlers Gorge, TAS	✓
Origin Bulk PV	N	S	Various, SA & VIC	✓
Parangana Mini Hydro	N	H	Mersey Valley, TAS	✓
Pioneer Sugar Mill	E	B	Ayr, QLD	✓
Queen Victoria Market PV Installation	N	S	Melbourne, VIC	✓
Terminal Storage Mini Hydro	N	H	Tea Tree Gully, SA	✓
Toora Wind Farm	N	W	Toora, VIC	✓
Yambuk Wind Farm	N	W	Yambuk, VIC	✓
Yarrawonga Weir	E	H	Yarrawonga-Murray R, VIC	✓

1. E = “Existing” GreenPower Generator, N = “New” GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 25.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	265,565	1,537	610,823	9,986	**887,911**
Total GreenPower Sales	117,960	1,537	26,882	9,124	**155,503**
Proportion of GreenPower Sales	**76%**	**1%**	**17%**	**6%**	

25.3 Audit Verification

URS independent audit of Origin Energy confirms that its GreenPower product, ***GreenEarth***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

26.1 Product Description

Availability: This product is not offered to new customers, however existing EcoPower customers continue to be serviced.

Contact Origin Energy: On 13 24 63 or visit www.originenergy.com.au.

26.2 Product Summary

Customer Numbers have decreased from 769 as of December 2005 to 118 as of December 2006, with 113 residential and five commercial customers.

GreenPower Sales have decreased from 11,757 MWh for the 2005 settlement period to 551 MWh in 2006. GreenPower sales to residential customers were 460 MWh and sales to commercial customers were 92 MWh.

GreenPower Purchases have decreased from 11,757 MWh for the 2005 settlement period to 551 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (481 MWh) and biomass generators (70 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 26.1, 26.2 and 26.3.

Table 26.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	145	133	128	113	NA
Commercial	8	6	4	5	NA
Purchases (MWh)					
Existing GreenPower	32	38	0	0	**70**
New GreenPower	129	153	96	103	**481**
Total	**161**	**191**	**96**	**103**	**551**
Sales (MWh)					
Existing GreenPower	32	38	0	0	**70**
New GreenPower	129	153	96	103	**481**
Total	**161**	**191**	**96**	**103**	**551**

Table 26.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Codrington Wind Farm	N	W	Codrington, VIC	✓
Corio Landfill	E	B	Corio, VIC	✓

3. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
4. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 26.3Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	481	0	0	70	**551**
Total GreenPower Sales	481	0	0	70	**551**
Proportion of GreenPower Sales	**87%**	**0%**	**0%**	**13%**	

26.3 Audit Verification

URS independent audit of Origin Energy confirms that its GreenPower product, ***EcoPower***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

27.1 Product Description

Availability: This product is not offered to new customers, however existing EcoSaver customers continue to be serviced.

Contact Origin Energy: On 13 24 63 or visit www.originenergy.com.au.

27.2 Product Summary

Customer Numbers decreased from 4,806 residential customers as of December 2005 to 3,486 residential customers as of December 2006.

GreenPower Sales have decreased from 10,242 MWh for the 2005 settlement period to 7,913 MWh in 2006.

GreenPower Purchases have decreased from 10,242 MWh for the 2005 settlement period to 7,913 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (7,070 MWh) and biomass generators (843 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 27.1, 27.2 and 27.3.

Table 27.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	4,441	4,064	3,730	3,486	NA
Commercial	0	0	0	0	NA
Purchases (MWh)					
Existing GreenPower	413	430	0	0	**843**
New GreenPower	1,652	1,720	2,077	1,621	**7,070**
Total	**2,065**	**2,150**	**2,077**	**1,621**	**7,913**
Sales (MWh)					
Existing GreenPower	413	430	0	0	**843**
New GreenPower	1,652	1,720	2,077	1,621	**7,070**
Total	**2,065**	**2,150**	**2,077**	**1,621**	**7,913**

Table 27.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Codrington Wind Farm	N	W	Codrington, VIC	✓
Corio Landfill	E	B	Corio, VIC	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 27.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	7,070	0	0	843	**7,913**
Total GreenPower Sales	7,070	0	0	843	**7,913**
Proportion of GreenPower Sales	**89%**	**0%**	**0%**	**11%**	

27.3 Audit Verification

URS independent audit of Origin Energy confirms that its GreenPower product, ***EcoSaver***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

28.1 Product Description

Availability: Synergy's residential and commercial customers located on Synergy's South West Interconnected System.

Residential Customer Options: Choose to purchase the following GreenPower options, 25 per cent, 50 per cent, 75 per cent or 100 per cent through the NaturalPower product.

Commercial Customer Options: Choose to purchase the following GreenPower options, 5 per cent, 10 per cent, 25 per cent, 50 per cent, 75 per cent or 100 per cent through the NaturalPower product. Other percentages can be negotiated for large contract commercial customers.

Contact Synergy: On 13 13 53, or visit: www.synergyenergy.com.au.

28.2 Product Summary

Customer Numbers have increased from 1,232 as of December 2005 to 3,343 as of December 2006, with 2,812 residential and 531 commercial customers.

GreenPower Sales have increased from 13,962 MWh for the 2005 settlement period to 17,788 MWh in 2006. GreenPower sales to residential customers were 5,562 MWh and sales to commercial customers were 12,226 MWh.

GreenPower Purchases have increased from 13,962 MWh for the 2005 settlement period to 18,528 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind (18,500 MWh) and solar generators (27 MWh).

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 28.1, 28.2 and 28.3.

Table 28.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	1,172	1,254	1,469	2,812	**NA**
Commercial	320	466	498	531	**NA**
Purchases (MWh)					
Existing GreenPower	7	6	6	7	**26**
New GreenPower	3,874	3,883	4,745	6,000	**18,502**
Total	**3,881**	**3,889**	**4,751**	**6,007**	**18,528**
Sales (MWh)					
Existing GreenPower	7	6	6	7	**26**
New GreenPower	3,874	3,883	4,745	5,261	**17,762**
Total	**3,881**	**3,889**	**4,751**	**5,268**	**17,788**

Table 28.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Albany Wind Farm	N	W	Albany, WA	✓
Kalbarri PV Power Station	E	S	Kalbarri, WA	✓
Rockingham PV System	N	S	Rockingham, WA	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. H = Hydro, S = Solar, W = Wind, B = Biomass

Table 28.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	18,500	27	0	0	**15,528**
Total GreenPower Sales	17,761	27	0	0	**17,788**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

28.3 Audit Verification

URS independent audit of Synergy confirms that its GreenPower product, ***NaturalPower***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

29.1 Product Description

Availability: Residential and commercial customers in VIC, SA, ACT and NSW.

Residential Customer Options: Choose to purchase one of three GreenPower options including TRUenergy Planet and TRUenergy Planet Plus, sourced from a combination of 'new' and 'existing' renewable energy, or TRUenergy Wind Power sourced from 100 per cent 'new' wind energy.

Commercial Customer Options: Choose to purchase TRUenergy Eco-Friendly, sourced from a combination of 'new' and 'existing' renewable energy, or TXU Wind Power, sourced from 100 per cent 'new' wind energy.

Contact TRUenergy: On 133 466 or visit www.truenergy.com.au

29.2 Product Summary

Customer Numbers increased from 16,324 as of December 2005 to 31,446 as of December 2006, with 30,893 residential and 573 commercial customers.

GreenPower Sales have increased from 18,867 MWh for the 2005 settlement period to 42,090 MWh in 2006. GreenPower sales to residential customers were 31,164 MWh and sales to commercial customers were 10,926 MWh.

GreenPower Purchases have decreased from 300,583 MWh for the 2005 settlement period to 289,574 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced from wind generators.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 29.1, 29.2 and 29.3.

Table 29.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	22,680	25,068	30,609	30,893	NA
Commercial	551	606	640	573	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	76,206	48,967	75,770	88,631	**289,574**
Total	**76,206**	**48,967**	**75,770**	**88,631**	**289,574**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	8,227	10,734	12,483	10,645	**42,090**
Total	**8,227**	**10,734**	**12,483**	**10,645**	**42,090**

Table 29.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Wattle Point Wind Farm	N	W	Wattle Point, SA	✓
Cathedral Rocks Wind Farm	N	W	Port Lincoln, SA	✓

1. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
2. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 29.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	289,574	0	0	0	**289,574**
Total GreenPower Sales	42,090	0	0	0	**42,090**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

29.3 Audit Verification

URS independent audit of TRUenergy confirms that its GreenPower product, ***TRUenergy Green***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

30.1 Product Description

TRUenergy was formerly known as TXU and offered the GreenPower product Verdant. The Verdant GreenPower product was offered by TRUenergy prior to the second quarter of the 2005 settlement period but is no longer available to residential or commercial customers. However, Verdant GreenPower was used during the 2006 settlement period for all TRUenergy GreenPower events.

Contact TRUenergy: On 133 466 or visit www.truenergy.com.au

30.2 Product Summary

TRUenergy Verdant was only available for GreenPower events during 2006. The total number of events customers was three and the total number of GreenPower events amounted to eight. The amount of GreenPower allocated through events products totalled 82 MWh.

GreenPower Sales were 82 MWh for the 2006 settlement period.

GreenPower Purchases were 82 MWh for the 2006 settlement period. GreenPower purchases for the 2006 settlement period were sourced entirely from wind generation.

Additional details on GreenPower customers, purchases, sales and generators are provided in Tables 30.1, 30.2 and 30.3.

Table 30.1 Product Summary 2006

	Mar 06	June 06	Sept 06	Dec 06	Total
Customers					
Residential	NA	NA	NA	NA	**NA**
Commercial	1	2	1	3	**NA**
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	25	18	3	36	**82**
Total	**25**	**18**	**3**	**36**	**82**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	25	18	3	36	**82**
Total	**25**	**18**	**3**	**36**	**82**

Table 30.2 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Wattle Point Wind Farm	N	W	Wattle Point, SA	✓

3. E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
4. B = Biomass, H = Hydro, S = Solar, W = Wind

Table 30.3 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	82	0	0	0	**82**
Total GreenPower Sales	82	0	0	0	**82**
Proportion of GreenPower Sales	**100%**	**0%**	**0%**	**0%**	

30.3 Audit Verification

URS independent audit of TRUenergy confirms that its GreenPower product, ***Verdant***, is in accordance with the requirements of the *National GreenPower Accreditation Document, Version 3.3*.

Appendix A
GreenPower Accreditation Document

National GreenPower Accreditation Program

Accreditation Document

Version 3.3

September 2006

Contents

Program Manager Contact Details:

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1. The National GreenPower Accreditation Program

1.1 Introduction

The *National GreenPower Accreditation Document* outlines the guidelines of the National GreenPower Accreditation Program for GreenPower Products and GreenPower Generators. It provides participating electricity GreenPower Providers and GreenPower Generators with information about the National GreenPower Accreditation Program, including:

- Section 1 — Background and aims of the National GreenPower Accreditation Program; interaction with sustainable energy schemes in Australia
- Section 2 — Definitions for GreenPower Products, GreenPower Generators and GreenPower purchases
- Section 3 — Technical Criteria for gaining and maintaining accreditation for a GreenPower Product
- Section 4 — Marketing Criteria for gaining and maintaining accreditation for a GreenPower Product
- Section 5 — Eligibility requirements for GreenPower Generators
- Section 6 — GreenPower Provider reporting and annual audits
- Appendix A — Assessment guidelines for approval of GreenPower Generators
- Appendix B — Application for GreenPower Generator approval
- Appendix C — Definitions of terms
- Appendix D — National GreenPower Steering Group Charter

1.2 Background

In 1997, the Sustainable Energy Development Authority (SEDA) in NSW established the GreenPower Accreditation Program to accredit electricity retailers' Renewable Energy products (N.B. SEDA's functions were incorporated into the NSW Department of Energy, Utilities & Sustainability on 1 July 2004). The program was developed in consultation with the energy industry, and various non-government organisations including the Australian Consumers Association, Greenpeace, the Australian Conservation Foundation and the World Wide Fund for Nature.

The program is now offered nationally through joint collaboration by participating jurisdictions, collectively known as the National GreenPower Steering Group (NGPSG).

As of March 2005 any organisation (including non-licensed energy retailers) that is eligible to purchase Renewable Energy Credits are eligible to develop a product for accreditation as a GreenPower Product. As a result, all relevant references to 'retailers' in the Accreditation Document have been replaced with 'GreenPower Provider'.

Mission

Driving investment in Renewable Energy in Australia, with a view to decreasing greenhouse gas emissions, by increasing awareness of, and ensuring consumer confidence in, environmentally sound Renewable Energy products.

Aims

- To facilitate the installation of new Renewable Energy generators across Australia beyond mandatory renewable requirements.
- To encourage growth in consumer demand for Renewable Energy.
- To provide consumer choice for, and increase confidence in credible Renewable Energy products
- To increase consumer awareness of Renewable Energy and greenhouse issues.
- To decrease greenhouse gas emissions associated with electricity generation.

The National GreenPower Accreditation Program is an independent fitness test for products offered by GreenPower Providers. Those that meet the Accreditation Criteria earn the right to use the GreenPower Product logo, providing customers assurance that their products adhere to these requirements and that monies will be put towards the purposes expected.

Both GreenPower Providers and GreenPower Customers benefit from promotional packages, developed by the National GreenPower Accreditation Program's State and Commonwealth participants, which includes the use of the GreenPower logos at no cost (see Section 6), and may include joint promotional events and advertising through both print and electronic media.

National GreenPower Steering Group (NGPSG)

In May 2000, the National GreenPower Steering Group (NGPSG) was officially established to oversee management of the program. This governing body is comprised of representatives from state government agencies from NSW, Victoria, Queensland, Western Australia, South Australia and the ACT.

The NSW Department of Energy, Utilities & Sustainability has been appointed as Program Manager, and administers the program on behalf of the NGPSG.

Refer to the Charter in Appendix D for further details on the role of this group, and respective responsibilities of the Program Manager and the NGPSG.

1.3 Interaction with Other Sustainable Energy Schemes in the Australian Electricity Market

The Federal Mandatory Renewable Energy Target (MRET) – April 2001

The Federal Mandatory Renewable Energy Target (MRET) was legislated under the Renewable Energy (Electricity) Act 2000 and introduced on 1 April 2001. It requires an additional purchase of 9,500GWh of Renewable Energy by 2010 to be shared across all electricity suppliers (and wholesale buyers). Each supplier will have to surrender a certain amount of 'Renewable Energy Certificates' (1 REC = 1 MWh) to the Office of Renewable Energy Regulator for meeting specified interim targets each year to 2010, depending on their volume of electricity sales.

The MRET and the National GreenPower Accreditation Program have similar objectives - to reduce greenhouse gas emissions from the electricity generation sector and drive investment in Renewable Energy projects. However, the two schemes utilise very different mechanisms to deliver the same objective - MRET is a Federal mandatory requirement, while GreenPower relies on voluntary participation by consumers.

In 2000, the National GreenPower Steering Group (NGPSG) co-ordinated extensive consultation with electricity retailers, generator owners, consumer groups and other stakeholders to ensure that any changes made to the National GreenPower Accreditation Program in relation to the interaction of GreenPower and MRET had the full input of all those involved and operating in the market.

Based on support from the majority of stakeholders, the NGPSG has agreed to ensure GreenPower Customer contributions for GreenPower will result in additional investment in new Renewable Energy generation and an increase in associated greenhouse gas reductions above targets set by MRET. In short, the Renewable Energy purchased to make GreenPower sales will not be able to be used by energy suppliers to meet their MRET obligations.

Refer to Section 3.8 for accreditation requirements related to the interaction of GreenPower and MRET.

NSW Greenhouse Gas Abatement Scheme – 1 January 2003

From 1 January 2003, NSW electricity retailers (and certain other parties) were required to meet mandatory targets for abating greenhouse gas emissions from electricity production and use. This scheme is known as the NSW Greenhouse Gas Abatement Scheme and is implemented through the *Electricity Supply Amendment (Greenhouse Gas Emission Reduction) Act 2002.*

Electricity retailers are required to reduce emissions in line with a sector-wide greenhouse 'benchmark', by sourcing cleaner energy supply and promoting energy efficiency. The sector-wide benchmark is to reduce emissions to 5% below 1990 per capita emission levels, equivalent to 7.27 tCO_2-e per capita by 2006-07. Electricity retailers are required to meet annual reduction targets to achieve the benchmark. Targets each year will be enforced, with electricity retailers paying a penalty where they fail to meet their annual benchmarks. It is expected that the target will be maintained at that level until 2012 or until reviewed.

Under this scheme, GreenPower Providers are not able to count sales and associated greenhouse gas reductions made through their GreenPower Products towards meeting their compliance targets.

For more information on the scheme, visit www.greenhousegas.nsw.gov.au, or contact the NSW Industry Pricing and Regulatory Tribunal (IPART) which is responsible for administering the scheme.

The Victorian Renewable Energy Target (VRET) – January 2007

The Victorian Renewable Energy Target (VRET) scheme will introduce a market based measure to ensure the Victorian Government meets its commitment to achieve 10% of electricity consumption from Renewable Energy sources energy in Victoria.

Under the Victorian Renewable Energy Target Act 2006, retailers and wholesale purchasers of electricity will be required to contribute proportionately towards a Renewable Energy target of an additional 3,274 GWh of Renewable Energy by 2016. Retailers and wholesale purchasers of electricity will be required to surrender Renewable Energy Certificates (RECs) on an annual basis.

Renewable energy generators that start operation after January 2007 will be able to create RECs for a period of 15 years. With the exception of energy from solar hot water systems, VRET recognises similar eligible Renewable Energy sources like hydro, solar, wind, geothermal and biomass as the Federal Government's MRET scheme.

The Victorian Essential Services Commission (ESC) is responsible for administering the VRET scheme.

Renewable energy purchased to make GreenPower sales will not be able to be used by GreenPower Providers to meet their VRET obligations. Refer to Section 3.8 for requirements related to the interaction of GreenPower and RECs created under VRET.

2. GreenPower Products, Generators and Acquisitions

This section defines GreenPower Products and GreenPower Generators, in addition to requirements related to the use of GreenPower Generators. Eligibility criteria are outlined in Section 5. Further details on applying for generator approval can be found in Appendix B with related definitions provided in Appendix C.

2.1 What is a GreenPower Product?

GreenPower Products provide a 'green' tariff option to electricity purchasers (residential and/or commercial customers). The GreenPower Provider commits to ensuring an equivalent amount of Renewable Energy is produced from GreenPower Generators to the amount of GreenPower energy requested (purchased) by the GreenPower Customer.

2.1.1 Process of Product Accreditation

Any energy provider may apply to join the National GreenPower Accreditation Program. Energy providers should note that individual GreenPower Products, rather than GreenPower Providers, are accredited and that GreenPower Rights may not be traded separately to the GreenPower Products to which the GreenPower Rights relate. A GreenPower Provider may choose to offer one or several GreenPower Products. Each GreenPower Product requires a separate application, which includes details on administration, GreenPower Customers, a portfolio of 'green' generators and a Product Development Plan. To offer GreenPower Products, GreenPower Providers must of course also meet any local jurisdictional licensing requirements.

The application process for GreenPower accreditation involves the following steps:

1. Request from the Program Manager the necessary GreenPower documentation and forms, including the logo guidelines and logo license application forms (see 'Use of GreenPower Logos' in Section 4).
2. Forward the completed application form and all necessary attachments to the Program Manager, allowing at least three weeks for initial assessment.
3. The Program Manager assesses the application for accreditation. Where the application does not meet the criteria of the National GreenPower Accreditation Program, or where insufficient details are provided, applicants are advised accordingly and amendments suggested.

4. If the application meets all criteria, the applicant will be required to sign a contract with the Program Manager that specifies the undertakings of both parties. Execution of this contract entitles the applicant to use the GreenPower Logos and all other accreditation materials (promotional and reporting) available for the GreenPower Product in question.
5. Once the GreenPower contract has been executed, the Program Manager writes a letter to the applicant officially accrediting the GreenPower Product.

When offering electricity contracts and tariffs, GreenPower Providers may wish to offer a combination of 'green' electricity with non-green electricity. Some GreenPower Customers will only wish to purchase a portion of their energy or elect a block tariff option associated with only a certain amount of energy from GreenPower Generators. Allowance for this has been made in the development of the National GreenPower Accreditation Program, whereby the 'green' component of a blend can be accredited.

On an annual basis, an independent auditor performs a technical audit of each GreenPower Provider to ensure continual compliance with the Accreditation Criteria.

2.1.2 Breaches and Withdrawal of Accreditation

The Program Manager, after agreement from the NGPSG, may withdraw accreditation from a GreenPower Product the operation of which has breached, or failed to comply with, the Accreditation Criteria (Section 3).

The Program Manager will advise the GreenPower Provider of any apparent breach of the Accreditation Criteria by way of a "show cause" notice of the apparent breach. Where the GreenPower Provider does not rectify the breach or provide evidence to the contrary within the required time period, the Program Manager will put the GreenPower Provider on probation and advise the NGPSG accordingly. The GreenPower Provider will be given a set period during which to rectify the breach of accreditation, and where the breach is not rectified during the time period the Program Manager will advise the NGPSG accordingly, and accreditation of the GreenPower Product will be withdrawn subject to NGPSG agreement. Details of any breaches, notices and withdrawal of accreditation will be listed in the annual GreenPower Audit.

If accreditation of a GreenPower Product is withdrawn, the GreenPower Provider will be required to cease promotion of the GreenPower Product and notify their GreenPower Customers, as agreed under contract.

In the event of a delay or failure to comply with the Accreditation Criteria due to Force Majeure circumstances (Appendix C), the GreenPower Provider must provide the Program Manager with sufficient details of the issue. Allowable concessions may then be considered by the Program Manager in consultation with the NGPSG. If the delay or failure to comply exceeds a 30-day period (or such timeframe as agreed to by Program Manager), accreditation may be withdrawn.

2.1.3 Changes to Accreditation Program

The NGPSG reserves the right to review and amend the operation and conditions of the National GreenPower Accreditation Program and this Accreditation Document, whether during the term of any period of accreditation, or in respect of any proposed renewal of accreditation. The Program Manager will notify the GreenPower Provider of any proposed amendments to the operation and conditions of the National GreenPower Accreditation Program and the Accreditation Document. The GreenPower Provider will be given the opportunity to provide feedback in the review process at least one month prior to such amendments taking affect. Where necessary, the GreenPower Provider will be given reasonable time to adapt the existing GreenPower Product to meet any requirement modifications.

2.2 Use of GreenPower Generators

All electricity generators used in the GreenPower portion of a GreenPower Product must be approved as a GreenPower Generator by the Program Manager. Under the National GreenPower Accreditation Program, a GreenPower Generator is defined as 'an electricity generator that results in greenhouse gas emission reduction, Net Environmental Benefits, and is based primarily on a Renewable Energy resource, and is approved by the Program Manager.

All projects are individually assessed for approval against eligibility criteria (Section 5) and other generation type-specific considerations (Appendix A), and require support from consumer and environmental stakeholders.

Please note that "primarily based on a Renewable Energy resource" means that more than half of the energy output must be attributed to an eligible Renewable Energy resource. Non-renewable resources are those based on fossil fuels.

The major renewable electricity generation types include:

- Solar Photovoltaic and Solar Thermal Electric Systems
- Wind Turbines and Wind Farms
- Hydro-Electric Power Stations
- Biomass-Fuelled Power Stations
- Geothermal Power Stations
- Wave and Tidal Power Stations.

Section 5 outlines the eligibility requirements for all GreenPower Generators. Refer to Appendix A for approval considerations for each generation type, and relevant environmental and consumer considerations.

2.2.1 New and Existing GreenPower Generators

There are two types of GreenPower Generators:

- A New GreenPower Generator is defined as an electricity generator or increase in generator capacity[1], which was commissioned or first sold energy (whichever is earlier) after the launch of the relevant GreenPower Product or after January 1, 1997 (whichever is earlier) and that has been accredited under the National GreenPower Accreditation Program.

- An Existing GreenPower Generator is defined as an electricity generator or increase in generator capacity which was commissioned or first sold energy (whichever is earlier) prior to January 1, 1997 and that has been accredited under the National GreenPower Accreditation Program.

GreenPower Providers are reminded that the spirit of GreenPower is to move towards new electricity generation as quickly as possible. From 1 January 2009, only electricity generated from New GreenPower Generators will be permitted for use in GreenPower Products. Electricity generated by Existing GreenPower Generators will no longer be able to be included in GreenPower Products after this date. Section 3.5 addresses accreditation criteria for use of 'new' generation in GreenPower Products.

2.2.2 Approval Process

GreenPower Providers must ensure that all generators to be used in their GreenPower Product have been given written GreenPower approval, prior to the inclusion of these generators in the GreenPower Product (as under Section 3.2). Either GreenPower Providers or generator owners can request for approval. The approval application process, and associated fees, for GreenPower Generators is outlined in Appendix B.

The date of accreditation for a generator will be backdated to the date on which the application is received by the Program Manager

GreenPower Providers should advise the Program Manager of the addition of any New GreenPower Generators to the GreenPower Product as soon as practicable. GreenPower Providers will be required to report regularly to the Program Manager of all New and Existing GreenPower Generators used in the GreenPower Product (see Reporting Section 6).

2.2.3 Generator Pre-approval

Power station developers, generator owners or GreenPower Providers may approach the Program Manager at any time to inquire about possible eligibility of generators for GreenPower approval. However, while a preliminary view can be given as to the likely eligibility of a generator (subject to provision of project-specific information including site/location details, environmental and consumer considerations), the proponent will be

[1] Where it involves an increase in generator capacity (e.g. upgrades), new generation is measured as that generation which occurs over and above the existing installed capacity as a result of significant capital investment.

required to submit a formal application and pay the associated fee for approval once all details are finalised, including fuel sources, technologies and environmental management (as specified in Appendix B).

2.3 GreenPower Acquisitions

As of 1 July 2001, GreenPower Providers were able to purchase and on-sell the GreenPower Rights separately to the electricity produced from a GreenPower Generator, for use in GreenPower Products. Requirements for operation are discussed below.

2.3.1 GreenPower Rights

A GreenPower Right is defined as the right to claim any eligible GreenPower generation (or a portion of generation) from a GreenPower Generator that may be bought by or transferred to a GreenPower Provider for use in respect of a GreenPower Product.

GreenPower Rights may not be granted, sold, transferred or otherwise disposed of except by participants in the National GreenPower Accreditation Program to other participants for the purpose of use in respect of a GreenPower Product by a GreenPower Provider.

While the National GreenPower Accreditation Program will no longer require the purchase of the physical electricity, GreenPower Rights are only valid (i.e. the GreenPower Provider can claim the GreenPower generation) where it can be demonstrated that the electricity to which it is associated has been generated by a GreenPower Generator.

GreenPower Rights are only valid within the Settlement Period in which the generation to which they are associated has occurred, except where carryover to the next period has been authorised under flexibility mechanisms outlined in Section 3.6, or in the case of deemed GreenPower Rights from small-scale systems (see Appendix A, Embedded Generators).

2.3.2 Initial Ownership

For existing power sale contracts for the purchase of GreenPower approved electricity signed prior to 1st July 2001, ownership of the GreenPower Rights will be automatically assigned to the party purchasing the electricity for the duration of the contract, unless the Program Manager is formally notified of a change in arrangements (for example, via renegotiation). At the end of the contract's term, or at the date of variation or renegotiation, ownership of the right will be reverted to the generator owner unless otherwise sold.

For existing power sale contracts signed after 1 July 2001, GreenPower Generator owners own the GreenPower Rights by default until otherwise sold, provided that such GreenPower Rights may only be sold, transferred or otherwise disposed of by participants in the National GreenPower Accreditation Program to other participants for the purpose of use in respect of a GreenPower Product.

2.3.3 Verification and Validity of GreenPower Rights

When trading the GreenPower Rights, it is the responsibility of the party purchasing the GreenPower Rights to ensure that they are valid. To this end, it is advised that GreenPower Providers undertake the necessary due diligence processes at time of purchase and keep a record of the arrangement. This could include the following details:

- The name of the power station or unit, and owner of the power station
- Date of trade
- Volume of energy purchase (kWh, % of output) to which the GreenPower Rights are associated
- Fuel source
- The period (or date) of generation covered by GreenPower Rights
- Status or proportion as New or Existing GreenPower generation covered by the purchase of those GreenPower Rights

GreenPower Providers may also wish to obtain sufficient information to track and record the ownership history of the GreenPower Rights back to actual generator output (i.e. use a paper trail).

As GreenPower Rights are solely for use in GreenPower Products, GreenPower Providers and GreenPower Generators will need to provide reports as part of the annual audit process to verify GreenPower purchases and actual generation, for checking compliance with the Accreditation Criteria (Section 3). See Section 6.2 for details on annual audit reports.

Section 3.6 outlines the validity of GreenPower acquisitions for claiming generation purchases. Any claim found to be invalid by the Program Manager will be rejected and it will be the GreenPower Provider's responsibility to rectify the GreenPower purchase.

2.4 Dispute Resolution

The Program Manager is acting on behalf of the NGPSG. As such a GreenPower Provider or GreenPower Generator owner has the right to appeal to the NGPSG if there is a dispute over the Program Manager's decision regarding GreenPower Product accreditation, generator approval, ownership of GreenPower Rights or other. The decision of the NGPSG is final and cannot be contested.

3. GreenPower Product Technical Criteria

Sections 3 and 4 define the Technical and Marketing Accreditation Criteria for a product to gain and maintain accreditation under the National GreenPower Accreditation Program. GreenPower Providers are audited against these criteria on an annual basis, and information is made publicly available.

3.1 Technical Auditing

The GreenPower Provider must provide the Program Manager with the reports and other information necessary to carry out a technical audit of all GreenPower Products each year. The technical report must be audited by an independent and suitably qualified auditor (Tier 1 or Tier 2 accounting companies) appointed by the GreenPower Provider.

This audited technical report and a separate audit statement prepared by the independent auditors must be provided to the Program Manager in the format specified by the Program Manager and in the timing referred to in Section 6. If a GreenPower Provider fails to submit the technical report in the specified time frame without prior written consent from the Program Manager, it will be considered a breach of accreditation and accreditation may be withdrawn (as per Section 2.1.2).

An audited financial statement is no longer required. However, in cases where it is deemed necessary for auditing purposes, GreenPower Providers will be required to provide financial statements upon request by the Program Manager.

3.2 Use of GreenPower Generators

All electricity generators installed as a result of or used by GreenPower Products must:

- be approved by the Program Manager; and
- conform to the definition and eligibility requirements of a GreenPower Generator as set out in Section 5.

The Program Manager, on behalf of the NGPSG, has the right to disallow particular generators that in its opinion do not fulfil the definition of a GreenPower Generator.

3.3 Changes to the GreenPower Product and Generators

GreenPower Providers must alert the Program Manager in writing of any changes that are made to the operation of the GreenPower Product (eg GreenPower Product structure, changes in fuel sources, etc) prior to those changes taking effect.

GreenPower Providers are not required to seek approval from DEUS for inclusion of New GreenPower Generators, however this information must be advised in the Quarterly Report following the inclusion. It is the GreenPower Provider's responsibility to ensure that those generators being used in their product do have GreenPower approval (see 3.2).

3.4 Minimum Percentage Requirement of Accredited GreenPower in Blended Products

GreenPower Providers are required to have a minimum 10% GreenPower content in products offered to new residential customers as of 1 March 2006 for consumption-based products and by 1 January 2007 for block-based products. The minimum GreenPower content of residential block-based products is set at

647kWh/year from 1 January 2007 to 31 December 2009. This value represents 10% of the national average residential electricity consumption (based on 2003-2004 ESAA data).

Existing residential contracts with end users for a blended GreenPower Product made up of less than 10% accredited GreenPower are to be amended accordingly by 1 March 2007 for consumption-based GreenPower Products and by 1 January 2008 for block-based GreenPower Products.

3.5 Proportion of Energy from New GreenPower Generators

As of 1 July 2006, the GreenPower component of all residential and business GreenPower Products for all new customers must be derived from a New GreenPower Generator.

Existing residential and business contracts for existing GreenPower Products that do not meet this criterion have until 31 December 2008 to be amended accordingly.

3.6 Claims of Eligible Generation for GreenPower Products

The Program Manager will only accept claims for GreenPower generation purchases as valid, if it can be verified that:

- The GreenPower Provider is the owner of the GreenPower Right/s to eligible GreenPower generation over the Settlement Period. GreenPower Providers will need to verify the volume of generation (and proportion of New versus Existing); and the time period of generation to which those GreenPower Right/s are associated;
- Where only a proportion of the generation from a GreenPower Generator is eligible for use in a GreenPower Product (see Section 5.2.2), GreenPower Providers can only claim that eligible portion for a GreenPower Product, as defined under the conditions in the GreenPower Generator approval by the Program Manager;
- The generation to which the GreenPower Right/s are associated and claimed for use in the GreenPower Product has actually occurred within the Settlement Period*; and
- A Renewable Energy Certificate is surrendered for each MWh of New GreenPower generation sold through the GreenPower Product (subject to conditions outlined in Section 3.9).

Any claim found to be invalid (i.e. if one or more of the above conditions are not satisfied, where applicable) will be rejected, and it will be the GreenPower Provider's responsibility to rectify the GreenPower purchase. See Section 3.7 for balancing supply and demand.

*Actual GreenPower generation output is verified through the generator reporting process as part of the Annual Audit, as outlined in Section 5.6.

3.7 Balancing GreenPower Supply and Demand

Each GreenPower Product must have an identified Settlement Period over which GreenPower supply balances demand i.e. GreenPower Providers are required to have made valid claims for GreenPower purchases (as defined in Section 3.6) equivalent to the amount sold to their GreenPower Customers through their GreenPower Product within the Settlement Period.

The Program Manager will allow a 3 month reconciliation period after the end of the Settlement Period. i.e. GreenPower Providers must have completed any GreenPower Rights transactions and RECs transferrals into their GreenPower Designated Accounts within this timeframe (see Section 3.8).

The generation of any GreenPower Rights transactions which are finalised in this period after 31 December, must have occurred within the defined Settlement Period (this does not include the 3 month reconciliation period).

It is considered a serious breach of accreditation if demand is not met over the Settlement Period. In cases where there is a shortfall of valid claims for the purchase of New GreenPower generation (as defined in Section 3.6) to satisfy the requirements for the New GreenPower generation component of a GreenPower Product, the following will apply.

1. The GreenPower Provider will still be required to match the GreenPower demand with supply, over the Settlement Period, by making up the shortfall with Existing GreenPower generation purchases.

2.(a) Where the GreenPower Provider satisfies condition (1) above, the Program Manager will allow a leeway for a 5% shortfall on energy sales from New GreenPower generation within the 1-year Settlement Period, subject to notification by the GreenPower Provider. Conditions 3 and 4 will apply.

(b) Where a GreenPower Provider fails to meet condition (1) or where a shortfall exceeds the allowable leeway level (as specified in 2(a)), the GreenPower Provider will be placed on probation and given 2 months to rectify the shortfall via credits/rebates to affected GreenPower Customers. The GreenPower Provider must provide proof that this action is taken and the Program Manager will assess the evidence for compliance and audit the GreenPower Provider at the expense of the GreenPower Provider if necessary. Where the GreenPower Provider makes no attempt to make up the New GreenPower generation shortfall, withdrawal of accreditation may be considered by the NGPSG.

3. This shortfall must be rectified in the following 1-year Settlement Period by purchasing sufficient additional New GreenPower Generation (and RECs) to make up that shortfall. Evidence of this purchase must be provided within their audited statement, submitted to the Program Manager's independent auditors at the end of the following Settlement Period for evidence of compliance.

4. Where the New GreenPower generation shortfall is not made up as required in the following Settlement Period, it is considered a serious breach of accreditation and the NGPSG would then consider appropriate action, as described above in (2b).

Where GreenPower Providers have excess purchases pertaining to New GreenPower generation which have not been allocated to their GreenPower Product for a defined Settlement Period, GreenPower Providers will be able to carry over a 5% excess of New GreenPower purchases made in the 1-year Settlement Period only to the next Settlement Period for meeting New GreenPower generation demand.

Please note that any shortfall and carry-over generation used by GreenPower Providers will be publicly reported each year in annual audit reports.

3.8 Transfer of Renewable Energy Certificates (RECs)

GreenPower Providers are required to transfer (or 'set aside') 'eligible' RECs (see eligibility under Section 3.9) as created under either MRET or VRET for each MWh of generation classified as New GreenPower generation acquired by the GreenPower Provider and sold as part of a GreenPower Product within a Settlement Period.[2]

GreenPower Providers will not be required to transfer RECs for Existing GreenPower generation.

In order to comply, GreenPower Providers are required to set up their own GreenPower Designated Account on the nominated REC Registry (or registries) – established to administer the MRET and VRET schemes - into which RECs for GreenPower compliance will be transferred. GreenPower Providers are not permitted to use these RECs to meet their obligations under MRET or VRET, and such RECs must remain in the GreenPower Designated Account until otherwise notified by the Program Manager.

Details on set-up and operation of GreenPower Designated Accounts can be obtained from the Program Manager.

The transfer of RECs must be made each year within 12 weeks of the end of the Settlement Period.

Concession arrangements for compliance will apply in certain circumstances as outlined below and will be publicly reported in annual audit reports. Any approved concession arrangement will apply to all generation that is on sold from the facility, and will need to be reported by both the Generator and any GreenPower Provider purchasing from the facility as part of the annual audit process.

3.8.1 Special Concessions

If a situation arises in which a GreenPower Provider believes that the NGPSG should waive the requirement to transfer RECs for any generation (or proportion of generation) acquired from a GreenPower Generator, which was sold as part of a GreenPower Product, that does not create RECs, or where the GreenPower Generator:

[2] This requirement only applies to the proportion of 'new' GreenPower required by the Program (see Section 3.4).

a) is deemed ineligible for accreditation under MRET by the Office of the Renewable Energy Regulator (ORER) (e.g Sustainably harvested plantation forests); or

b) does not register for ORER accreditation due to impracticalities agreed by the NGPSG ;or

c) any situation deemed by the NGPSG to be eligible for a special concession;

the GreenPower Provider must apply in writing for a special concession. Consideration for special concession arrangements will be assessed and given by the Program Manager on a case-by-case basis.

Special concessions will only be granted on the basis that there is no opportunity for the 'concessioned' RECs be used to meet obligations under other schemes such as the MRET, the Greenhouse Gas Abatement Scheme or any other federal, state or territory Renewable Energy or emission trading schemes.

3.9 Eligibility of RECs

Only RECs created by a GreenPower Generator are eligible for transfer against the requirement for transfers arising as a result of the sales of New GreenPower generation. There is no requirement to transfer RECs from the same GreenPower Generators as are used in the GreenPower Product.

RECs created under either MRET or VRET are eligible to be transferred as specified under Section 3.8. For the avoidance of doubt, all RECs created under VRET are classified as New GreenPower generation.

3.10 Shortfall in RECs

Any sales of New GreenPower generation for which a concession cannot be claimed and RECs are not transferred, cannot be validly claimed as GreenPower in accordance with Section 3.6. Where a shortfall for meeting supply with demand occurs as a result, the conditions outlined in Section 3.7 will apply.

For example, where a GreenPower Provider has 100GWh sales of New GreenPower generation over the Settlement Period, but transferred only 70GWh of RECs to the GreenPower Designated Account, that GreenPower Provider can only claim 70GWh New GreenPower generation acquisitions for that year (as long as those GreenPower purchases satisfy all other conditions to be valid).

3.11 GreenPower Provider Purchase of GreenPower Products

Under the Accreditation Program all GreenPower Providers are required to purchase GreenPower at a level which entitles them to use the GreenPower Customer Logo. This level is defined in "The GreenPower Customer Logo – Guidelines for Corporate Customers". See Section 4.

This requirement applies to each energy supplier's retail arm as a minimum. Electricity consumption levels for the retail arm will be worked out with, and agreed to by, the Program Manager.

3.12 Treatment of System Losses

GreenPower Providers can choose if they wish to specify to the GreenPower Customer and Program Manager whether transmission and/or distribution system losses attributable to a GreenPower Customer are supplied from GreenPower Generators. If system losses are included, generation supplying these losses must conform to all requirements above, including the requirements for New GreenPower Generation.

4. GreenPower Product Marketing Criteria

4.1 Introduction

GreenPower Providers that offer GreenPower Products provide GreenPower Customers with the choice to make a positive contribution to the environment, encourage the development and use of Renewable Energy technologies, and open new investment opportunities in the energy sector.

To realise this market potential and maintain GreenPower Customer confidence, GreenPower Customers must be provided with clear and concise information about their electricity products and services.

4.2 Compliance Review

GreenPower Providers must submit all GreenPower marketing materials currently in use to the Program Manager to verify compliance with the guidelines outlined in this code. The compliance review occurs biannually as part of the June quarterly report and the annual audit.

4.3 Provision of Information to Customers

Each GreenPower Provider wishing to use a GreenPower logo, or claim GreenPower accreditation for any of their electricity products agrees to:

1. Provide all GreenPower Customers, during customer subscription and agreement fulfilment period, with contract pricing and terms and condition written in clear, simple and easily understood terms; and

2. Make the following information available to new and potential GreenPower Customers at their request:

- Generator names and types for each GreenPower Product;
- Historical percentage of energy by type of generation for each GreenPower Product;
- Historical percentage of New GreenPower generation (by energy) for each GreenPower Product;
- The typical energy price range for each generation type.

4.4 Use of GreenPower Logo

Four logos have been developed to build recognition of GreenPower Products, GreenPower Customers and New GreenPower Generators. To strengthen the effect of these efforts, common logos have been developed for use across Australia.

GreenPower Products

It is important that GreenPower Providers support the recognition of GreenPower and the connections between government approval and accreditation processes and overall enhancement of the GreenPower concept. Accordingly, GreenPower Providers are contractually required to use the GreenPower Government Approved product logo in advertisements and marketing material (including websites, where possible a hotlink from the logo to the GreenPower website should be made) associated with their GreenPower Products. Details are contained in the contract to be signed by GreenPower Providers. Conditions of use are available in a document entitled “The GreenPower Product Logo – Guidelines for GreenPower Providers”, available from the Program Manager.

The GreenPower logo must be used in compliance with the logo usage requirements and guidelines available on the website (www.greenpower.com.au).

GreenPower Providers must refer to their product's accreditation in all advertising and marketing (online, print, broadcast) in connection with the GreenPower Product or the Program as per the GreenPower Provider Agreement. This will be audited for compliance as part of the Compliance Review.

Customers

GreenPower Customers may be entitled to use the GreenPower Customer logo if they have purchased or contracted to purchase sufficient levels of GreenPower, in accordance with the requirements, outlined in a separate document entitled “The GreenPower Customer Logo – Guidelines for Corporate Customers”. This document also describes how and where the logos can be used, and is available from the Program Manager. GreenPower Providers can also provide this document to corporate GreenPower Customers.

GreenPower Providers must promote the use of the GreenPower Customer logo to all commercial GreenPower Customers purchasing or approached to purchase a GreenPower Product by providing them with information about their eligibility to use the GreenPower Customer logo. Information packs can be obtained from the GreenPower marketing manager upon request.

GreenPower Generators

Generator owners are entitled to use the GreenPower Generator logo where more than half of the output of the generator is classified as New GreenPower generation. Additional requirements are contained in the

document “The GreenPower Generator Logo – Guidelines for GreenPower Generators”. This document also describes how and where the logos can be used, and is available from the Program Manager.

GreenPower Events

The GreenPower Event logo is available for use where an event will be powered by 100% GreenPower approved energy in its entirety. The GreenPower Event logo must only be used on marketing materials directly relating to the event and it must be clearly communicated that the event rather than the entire company responsible for the event is 'GreenPowered'. The GreenPower marketing manager holds a guide on which to base per head energy consumption calculations if required.

Example of GreenPower Logo

4.5 Treatment of Blends of ‘Green’ and Other Energy

Prior to entering into an agreement to provide energy to a customer, and in all marketing and advertising related to the composition of a GreenPower Product, the GreenPower Provider must provide clear information about the portions of GreenPower accredited electricity and non accredited electricity that will be provided (for each level of GreenPower on offer).

Where the balance of a product is 100% renewable (but not GreenPower accredited) the distinction between GreenPower accredited and non-accredited Renewable Energy must be clear and obvious in all marketing materials and advertising mediums.

If a customer is offered a 'block tariff', the GreenPower Provider must clearly communicate how the 'block' is structured (eg proportions of GreenPower approved energy and other components) and what the ‘block’ translates to in terms of approximate kWh of GreenPower purchased per day/month/quarter, emphasising that calculations are based on average consumer consumption levels rather than actual.

4.6 Misleading Conduct

GreenPower Providers must ensure that they do not undertake, in the opinion of the Program Manager, misleading advertising or conduct in relation to GreenPower. Of particular importance is misleading advertising relating to the composition of GreenPower Products. GreenPower Providers must not deliberately or inadvertently mislead GreenPower Customers as to what generation types are used in their GreenPower Products, or the proportion of GreenPower from different generation types, or to the function and operation of GreenPower Rights used in their GreenPower Products. GreenPower Providers must:

- Agree to use only factually based and objectively verifiable environmental marketing claims in all advertising relating to their GreenPower Products.
- Be sufficiently clear and prominent in all advertising and marketing materials and other correspondence to potential and actual GreenPower Customers to prevent deception, in particular in regard to the GreenPower Customer's level of GreenPower purchase and in regard to the balance of the supply.
- Not represent that GreenPower Customers are actually delivered 'green' electrons from specific generation facilities.
- Not overstate environmental attributes or benefits, expressly or implicitly.
- Present comparative claims in a manner that makes the basis for comparison clear to avoid GreenPower Customer deception.

5. GreenPower Generator Eligibility Requirements

Each electricity generator used in a GreenPower Product must be approved as a GreenPower Generator by the Program Manager, prior to their inclusion in a GreenPower Product. This section defines the eligibility criteria to which all generators must comply to gain and maintain approval from the Program Manager as a GreenPower Generator.

5.1 General Definition

To be eligible for GreenPower approval, an electricity generator must result in greenhouse gas emission reduction, result in Net Environmental Benefits, be based primarily on a Renewable Energy source, and meet the eligibility requirements below.

All projects are individually assessed and considered for approval against the above general definition and the eligibility criteria below, in addition to other more specific considerations outlined in Appendix A, including stakeholder consultation and acceptability for the project. Details on the application and approval process are given in Appendix B.

5.2 Eligibility Criteria

5.2.1 Minimum Renewable Energy Input

The electricity generator must be based primarily on a Renewable Energy resource. As such the proportion of eligible Renewable Energy input must exceed 50% averaged over the Settlement Period. With the exception of minor contaminants, all renewable fuels used must be eligible under GreenPower.

5.2.2 Eligible Generation

Only the portion of the energy generated that is based on Renewable Energy resources (i.e. >50%) is eligible for GreenPower approval. The annual generation of a generator shall be pro-rated on the proportion of renewable vs. non-Renewable Energy (i.e. fossil fuel) input, as detailed in the letter of approval.

5.2.3 Approval Conditions

A generator is only eligible for GreenPower approval as long as it complies with the approval conditions defined in the approval letter, and the eligibility requirements for GreenPower Generators in this Accreditation Document (as modified over time).

5.2.4 Changes to the GreenPower Generator

The generator owner must notify the Program Manager in writing of any changes made, or any intention to make changes to the operation of the GreenPower Generator e.g. change in fuel sources, upgrade in capacity. It is recommended that the proponents consult the Program Manager as early as possible to confirm acceptability of these changes under the Program (e.g. eligibility of fuel sources), for an upgrade of the project's approval status.

5.2.5 Specific Exclusions and Inclusions

Generators must comply with specific eligibility criteria detailed below in Section 5.3 and Section 5.4.

5.3 Specific Exclusions

The following fuels/technologies are not acceptable for the purposes of the definition of a GreenPower Generator.

1) Utilisation of any materials (including wastes) derived from forests other than Sustainably harvested plantation forests. Plantation-derived wastes should not be sourced from plantations that clear, or have cleared after 1990, existing old growth or native forests.
2) Generators that involve the Incineration of industrial, commercial or municipal solid wastes.
3) Hydro-electric projects, which require new dam construction that results in large-scale flooding of ecosystems.

4) Hydro-electric projects, which involve major diversion of rivers and do not adequately allow for environmental flows.

5.4 Specific Inclusions

The following fuels are acceptable Renewable Energy sources for the purposes of the definition of a GreenPower Generator.

1) Wood waste from clearing specified noxious weeds; sustainably managed plantations; Municipal Green Waste.

2) Industrial, commercial and municipal solid wastes (excluding Incineration). Where a fossil fuel component is mixed in with the waste stream and cannot be reasonably removed from the fuel mix, the fossil fuel component will be netted out on a pro-rated basis (according to calorific value of fossil fuel component).

5.5 Review Process for Accreditation

5.5.1 Special Approvals

In situations where generators do not fully meet the above criteria or assessment considerations in Appendix A, but where the generator owner or GreenPower Provider believes there is significant merit in the operation of the project or the utilisation of the fuels, the Program Manager may consider granting a special approval for the generator (subject to NGPSG endorsement). Consideration of approval will be subject to provision of project details, as well as evidence of relevant stakeholders consultation and acceptance of the project.

5.5.2 Changes to Accreditation Program

The Steering Group reserves the right to amend the operation and conditions of the National GreenPower Accreditation Program and this Accreditation Document. The Program Manager will notify the GreenPower Generator owner of any proposed amendments to the operation and conditions of the National GreenPower Accreditation Program and this Accreditation Document. Modifications will apply to all GreenPower Generators and GreenPower Products, where relevant. The GreenPower Generator owner will be given reasonable time to provide feedback in the review process prior to such amendments taking effect. Where such amendments require the GreenPower Generator owner to make alterations to the operation of the GreenPower Generator, the GreenPower Generator owner will be given reasonable time to adapt to meet any amendments.

5.5.3 Breach of Generator Approval

If a GreenPower Generator is in breach of, or is anticipated to be in breach of, the above eligibility requirements, approval conditions specified by the Program Manager (or of any other related development or environmental legislation which may impact its GreenPower compliance), the GreenPower Generator owner must notify the Program Manager immediately. The approval status of the GreenPower Generator will be reviewed. The owner will have the opportunity to provide evidence and respond to any issues raised in the review process. The Program Manager, after agreement with the NGPSG, may suspend or withdraw the approval of a GreenPower Generator if the breach is considered to conflict with the National GreenPower Accreditation Program including this Accreditation Document.

An appeal may be made to the Program Manager, who will subsequently advise and make a decision with the NGPSG.

If GreenPower approval is withdrawn, the generator must notify any GreenPower Providers with which it has GreenPower purchase arrangements, and cease its supply of GreenPower to these GreenPower Providers.

5.6 Generator Reports

Generator owners will need to provide reports of annual output for each GreenPower Generator during the Settlement Period, which may be verified as part of the annual audit process. These must be provided to the Program Manager or nominated representative within 3 months following the end of the Settlement Period (on or before 31 March).

Information should include the following:

- Name of power station;
- Generation capacity (MW);
- Fuel source(s);
- Metered data for total eligible GreenPower generation (net annual output), including information on metering point;

- Metered data for eligible New and Existing GreenPower generation proportions (and/or methodology for calculating the New/Existing proportions of output), where applicable;
- Volume of electricity generated (MWh);
- Period of time (dates) of electricity production;
- Details of initial purchase of GreenPower e.g. name of buyer;
- MRET status.

The Program Manager will accept reports prepared and supplied by the GreenPower Provider for GreenPower Generators where the GreenPower Generator owners have not reported directly to the Program Manager, as long as they have been signed off by the GreenPower Generator owner.

5.7 Selling GreenPower Generation

All generation sold and branded as 'GreenPower' to an end consumer must be sold as a GreenPower Product, which has been accredited under the National GreenPower Accreditation Program and subject to the Accreditation Criteria. This rule is applicable to GreenPower Generators, where the GreenPower Generator owner is selling electricity directly to a GreenPower Customer. GreenPower Generator owners will need to submit a product application for assessment and undergo the necessary compliance reporting procedures (see Section 2.1).

If a GreenPower Generator owner fails to comply with these standard procedures and sells 'GreenPower' to customers outside of the scope of an accredited GreenPower Product, it will be considered a breach of accreditation by the GreenPower Generator, and approval may be withdrawn.

6. GreenPower Provider Reporting

The public release of information about the operation of GreenPower Products helps to ensure the consumer confidence required to gain acceptance of GreenPower Products. Ongoing accreditation of GreenPower Products requires the GreenPower Provider to provide regular reports, parts of which the Program Manager will collate and publicly release. These reports also include information required to assess whether a GreenPower Product continues to meet the Accreditation Criteria.

The required reports are described below. GreenPower Providers can obtain report forms from the Program Manager or the Program Manager's independent auditor.

6.1 Quarterly Status Reports

Each quarterly status report provides a summary of each GreenPower Product including sales, purchases and GreenPower Customer numbers for the quarter. GreenPower purchases are broken down according to the type of renewable resource used, for both New and Existing GreenPower Generators.

GreenPower Providers must provide the reports to the Program Manager within 1 month of end of quarter, for quarters ending 31 March, 30 June, 30 September and 31 December, each year. The report format will be provided by the Program Manager at least 2 weeks prior to end of quarter.

The quarterly status report should include the following information, in the format requested by the Program Manager.

Information intended for public release by the Program Manager:

- Total GreenPower purchased and allocated through the GreenPower Product, broken down between type of electricity generator used, for both Existing and New GreenPower Generators.
- A breakdown of total GreenPower sales made in the quarter, between residential GreenPower Customers and commercial GreenPower Customers, and according to each state in which GreenPower Customers are based (NOTE: Only total residential and commercial figures for the GreenPower Product will be released. Sales figures by state will be released as aggregated program totals only).

- GreenPower Customer numbers, broken down between residential and commercial GreenPower Customers, and according to the location of these GreenPower Customers signed onto the GreenPower Product (state-based) (NOTE: Only total residential and commercial numbers for the GreenPower Products will be released. GreenPower Customer numbers by state will be released as aggregated program totals only.).
- Details of each electricity generator used under the GreenPower Product.
- Name, location, owner and commissioning date.

Information for the quarterly reports, which will not be publicly released without prior consent:

- For all GreenPower purchased and allocated through the GreenPower Product, broken down between type of electricity generator used, for both Existing and New GreenPower Generators by GreenPower purchased (MWh);
  - Capacity (MW);
  - Annual energy production (MWh);
  - Power purchase arrangements (to indicate the amount of GreenPower purchased for the GreenPower Product only).

As part of a bi-annual compliance review, marketing materials are to be submitted by GreenPower Providers with their June quarterly report and as part of the December annual audit process.

6.2 Annual Audit Report

The annual technical report is to be provided to the Program Manager within 3 months of end of each Settlement Period (on or before 31 March). The Program Manager will provide the report formats and details of requirements at least one month prior to the end of the Settlement Period. These reports will be used in the annual audit.

Information as to which other parts of these reports remain confidential and which parts are required to be made public will be contained within the report pro-formas, which are available from the Program Manager.

Information should include the following (as required and in the format requested by the Program Manager):

- Technical reports and supporting documentation for the GreenPower Product. It is incumbent upon the GreenPower Provider to ensure that the information provided in the technical reports (in accordance with Section 3), and verification documentation for GreenPower purchases and REC concession arrangements, to be submitted to the Program Manager have been independently audited within this timeframe;
- Report providing details of the RECs transferred to GreenPower Designated Accounts, and any concessions granted. The Program Manager will independently obtain records from ORER of REC transfers into the Designated Accounts for verification with GreenPower Provider reports. The total number of RECs held across all GreenPower Designated Accounts and the source of these RECs specified by GreenPower Generators, not GreenPower Providers, will be reported in the compliance audit report;
- All relevant marketing and consumer information materials as required, to check compliance in accordance with marketing Accreditation Criteria detailed in Section 4.
- Any additional information requested by the Program Manager's independent auditor which is required to ensure the GreenPower Product's compliance with the National GreenPower Accreditation Program;
- Generation reports to confirm actual generation output for each GreenPower Generator, if necessary. Where GreenPower Generator owners do not report directly to the Program Manager or nominated representative, the Program Manager will accept reports submitted by the GreenPower Provider, as long as they have been signed off by the GreenPower Generator owner. Details of the number of MWh's sourced from each specific GreenPower Generator in a GreenPower Provider's portfolio allocated to that GreenPower Provider's GreenPower sales in the period will be reported in the compliance audit report.

Any breaches of the accreditation will be reported in the annual audit report.

Appendix A: Assessment Guidelines for GreenPower Generators

1. GENERAL CONSIDERATIONS

1.1 Consumer Perceptions

The National GreenPower Accreditation Program is a voluntary market-based program mechanism for stimulating investment in new Renewable Energy generation. It is wholly dependent on GreenPower Customers generally choosing to pay more for a GreenPower Product. As such, GreenPower Customers generally wish to see their contributions leading to overall environmental improvements, i.e. they may not approve of projects which, although they result in a reduction in greenhouse emissions, cause damage to the environment in some other way.

As contribution to GreenPower Products is entirely voluntary, customer perceptions of what is acceptable must, by necessity, be given careful consideration alongside any 'objective' view of the environmental merit of a particular electricity generator. The views of the local community (particularly those impacted by the project), consumer and environmental advocacy groups should therefore be taken into account by the GreenPower Provider, and will be considered by the Program Manager in assessing approval of individual generators.

1.2 Environmental Issues

Individual electricity generation projects may have adverse environmental impacts that will outweigh the benefits and would therefore not be considered acceptable for inclusion within this program. Negative environmental and/or cultural impacts of each project should be minimised to maintain consumer satisfaction. GreenPower Providers and GreenPower Generator owners are responsible for ensuring that all generation projects meet any statutory environmental, planning, and licensing requirements, and relevant environmental guidelines.

The environmental criteria for generator eligibility are related to the generation process only, and not the sustainability of the host resource industry (with the exception of energy crops). Whilst the sustainability of the host resource industry is not assessed, the impact of the individual generation project on that host industry will be taken into account. In cases where issues are raised regarding the expansion of the host industry due to electricity generation from that project, the associated impacts in the context of ecologically sustainable development will be considered.

For example, whilst concerns may be raised over the long-term sustainability of some biomass resource industries, as long as the biomass is Sustainably harvested, results in greenhouse gas reduction, and demonstrates a Net Environmental Benefit, it may be eligible for use under the National GreenPower Accreditation Program.

All submissions seeking GreenPower approval for generators must include a Statement of Environmental Effects, to the satisfaction of the Program Manager. Refer to the *GreenPower Generator Approval Application* in Appendix B and Table 1 Key ESD Considerations for further information.

GreenPower approved projects must also be consistent with other federal and state government sustainability and environmental objectives, including but not limited to:

- The National Strategy for Ecologically Sustainable Development
- State and Local Government waste management policies
- National Waste Minimisation and Recycling Strategy
- Water management objectives and use of tertiary treated waste water
- Management of soil contamination issues.

1.3 Public Consultation

The accreditation criteria reflect the current environmental data, consumer and expert opinions of what constitutes 'green environmentally friendly' and 'sustainable energy' generation. Over time it is possible that a changing environment or technology will mean that the accreditation guidelines will change. All stakeholders will be consulted accordingly of any proposed amendments to the operation and conditions of the National

GreenPower Accreditation Program and the Accreditation Document, and be given reasonable time to provide feedback in the review process prior to such amendments taking effect.

For generator assessments specifically, the Program Manager undertakes an informal stakeholder consultation process for all applications. All written comments obtained through this process will be considered.

A formal public consultation process may be undertaken where the NGPSG deems necessary e.g. in situations where a generation project is potentially contentious; there are issues of public concern, or there is disagreement regarding its acceptability under the program. This will be coordinated by the Program Manager, prior to a formal assessment of a generator for GreenPower approval.

Upon confirming that the proponent has provided all necessary information, the Program Manager will:

- Prepare a document for use in a public consultation process, outlining all relevant details relating to the program requirements, generation project and other information the Program Manager considers relevant;
- Invite public submissions relating to the application for GreenPower approval via notices in broad readership national and state newspapers and other publications, wherever relevant. The Program Manager will provide at least one month for receipt of submissions. Advertising costs will be passed on to the proponent, as agreed. All submissions will be considered as part of the assessment of the project. Only written submissions will be considered.

Generator owners or project applicants will be given an opportunity to respond to comments received in stakeholder submissions.

2. ACCEPTABILITY OF GENERATION

Eligibility criteria for generator approval are outlined in Section 5. The following section provides a guide as to the acceptability of generation projects. Clearly, these views are general and cannot take account of particular local factors that may concern potential participants. In addition to this information, the following will be taken into account in the assessment process:

1. Consumer perception of the generation process;
2. The overall impact of the generation process on greenhouse emissions;
3. Whether the process is based primarily on Renewable Energy sources;
4. The nature of the environmental impacts associated with the construction and operation of the generation facility, including the extent, intensity and duration of those impacts;
5. The level of mitigation, either planned or in place;
6. Details relating to planning approvals and environmental management procedures related to the generation process;
7. Other matters as deemed relevant by the Program Manager including the specific considerations detailed below.

If generator developers or GreenPower Providers require clarification, they can seek pre-approval of the Program Manager for individual projects (see Section 2.2.3). GreenPower Providers should avoid projects that are likely to be contentious in any way.

These guidelines will change as the program evolves and as perceptions change over time, and will be made available in the accreditation document from the Program Manager.

2.1 Types of Generation – Specific Considerations

The following types of Renewable Energy generation are generally acceptable under GreenPower.

- Solar Photovoltaic and Solar Thermal Electric Systems
- Wind Turbines and Wind Farms
- Hydro-Electric Power Stations
- Biomass-Fuelled Power Stations
- Geothermal Power Stations

- Wave and Tidal Power Stations

Specific considerations are discussed below.

Cofiring with fossil fuels

Cofiring biomass resources with fossil fuels in generators can be classified as green electricity generation for the Renewable Energy component. It should be noted that, under the definition used in the National GreenPower Accreditation Program, generators must be primarily based on Renewable Energy resources and therefore the cofiring level would by necessity be greater than 50%. Each Renewable Energy component must be eligible according to GreenPower requirements. Where there are two plants feeding into one system, then the renewable component can be prorated.

Landfill Gas Generation

Methane emissions result from the decomposition of putrescible and green waste (both biomass resources) in landfill sites. The use of methane emissions from landfill sites to generate electricity has considerable greenhouse benefits. However, the disposal of general municipal waste in landfill sites requires large quantities of land that will remain contaminated by undecomposed matter.

It is not the intention of the National GreenPower Accreditation Program to promote the development of new landfill sites, at the expense of waste minimisation. However, landfill gas generation projects are considered generally suitable for inclusion in the National GreenPower Accreditation Program. Any measures undertaken to reduce their environmental impact (such as best practice NO_x control) would assist the Program Manager in approving their use under the National GreenPower Accreditation Program.

Industrial/Commercial/Municipal Solid Wastes – Incineration

There is wide scale public concern about the operation of incinerators for solid wastes. Such generators are therefore unsuitable for inclusion in GreenPower Products. 'Green' waste Incineration, where plant matter is separated from other wastes, is covered in the paragraphs below on "Wood Wastes".

Industrial/Commercial/Municipal Solid Wastes – Direct Gasification/Pyrolysis

There is significant benefit in the Gasification or Pyrolysis of mixed solid wastes that would otherwise be diverted to landfill. Aside from recovery of energy, destruction of these wastes significantly reduces the volume of waste going to landfill (approx. 95% reduction), and in addition removes many problems associated with leachates and gas and odour emissions. The use of materials recovery technology also assists in reclaiming recyclable material that is mixed in with the waste stream, and would otherwise end up in landfill.

Generation plants based on these technologies are generally eligible for inclusion in GreenPower Products if the process has been approved under all relevant environmental legislation and demonstrate compliance with relevant emissions standards. Generator owners are responsible for applying the principles of the Waste Management Hierarchy, such that wherever possible, all materials able to be recycled, re-used or processed, are extracted from the waste stream. Where it is demonstrated that a fossil fuel component is mixed in with the waste stream and cannot be reasonably removed from the fuel mix, the fossil fuel component will be netted out on a pro-rated basis (according to calorific value of fossil fuel component).

Wood Wastes

Utilisation of any materials (including wastes) from high conservation value forests, such as old growth forests, other native forests, and ecologically sensitive sites (for example, areas of remnant native vegetation) are not acceptable under the National GreenPower Accreditation Program.

Utilisation of waste derived from Sustainably harvested plantation forests – where there are insufficient market opportunities for reuse or reprocessing of this waste – is generally acceptable under the National GreenPower Accreditation Program. These wastes must not be sourced from plantations that clear, or have cleared after 1990, existing old growth or native forests. Plantations that allow for and specify wildlife corridors and set aside areas of native forest are preferable. Demonstration of best-practice saw-milling technologies and the like would assist in the approval of generators based on forestry resources. Woodwaste from clearing specified noxious weeds, where clearing activities are managed properly (e.g. to control seed spread), are acceptable, as long as commercial aims do not override the environmental management priority of weed control or elimination.

Municipal Green Waste, and wood wastes from suburban development, building and construction projects, where there are insufficient market opportunities for reuse and reprocessing, are acceptable fuel sources (as long as they are not sourced from high conservation value forests, such as old growth and other native forests, and ecologically sensitive sites). Generator owners are responsible for demonstrating that all areas from which fuels are sourced have been assessed and approved, according to any relevant statutory environmental, planning, and licensing requirements. Manufactured wood products and by-products (e.g. packing cases, furniture, crates, pallets, recycled timber) destined for disposal that are not contaminated and have not been chemically treated (e.g. toxic glues, solvents, finishes etc.), are also likely to be acceptable.

For projects using wood wastes (including Municipal Green Waste), **all** wood waste sources must meet the above eligibility requirements for the project to be granted GreenPower approval. Verification conditions for approval are given below.

It is the generator owner's responsibility to implement appropriate quality control systems and procedures (including auditing) to ensure all reasonable effort is made to keep contamination with ineligible wood sources to a minimum.

Where there is a degree of contamination of the wood source with ineligible wood sources, then the proportion of wood source not acceptable under these guidelines would be netted out from GreenPower on a fuel input basis.

Contamination in this case is defined as traces of unacceptable wood sources which have entered into the fuel stream for a project against all reasonable endeavours of the generator owner, and which cannot reasonably be removed.

If this is the case, the generator owner must demonstrate to the Program Manager that the ineligible wood source component due to contamination cannot be satisfactorily extracted from the fuel mix, and provide verification on the amount of generation attributable to the contamination component.

Verification conditions for approval

The Program Manager must approve any sources of wood products prior to their inclusion in a generation project based on detailed information (fuel type and origin of supply) provided by the generator owner.

Further to this, it is the generator owner's responsibility to provide verification that the wood materials supplied on an on-going basis comply with the eligibility requirements. Generator owners will be required to: -

- Provide evidence for implementing and maintaining a rigorous tracking system (e.g. detailed inventory, delivery records) to monitor all received wood sources, in terms of both source type, waste composition (by mass and energy/calorific value) and origins of supply;

- Make these records available for spot auditing by the Program Manager or other appointed independent third party, at any point in time. The generator owner must also make the site available for random on-site spot checks, which may be undertaken by the Program Manager or other appointed independent third party.

- Provide these records on a quarterly and annual basis to the purchasing GreenPower Provider and Program Manager. The Program Manager may require that these records be independently audited;

- Notify the Program Manager and request approval of any new sources in the future prior to their utilisation.

Failure to meet approval conditions and compliance requirements outlined above and, more specifically in the official letter of approval, will lead to revocation of GreenPower approval for the generator.

Refer to Table 1, Key ESD Considerations, for further information on other issues to consider and address towards receiving GreenPower approval for projects.

Agricultural and Other Biomass Wastes

Waste materials from sugar cane, winery and cotton industries, amongst others, as well as methane captured from sewerage treatment works or large scale organic composting offer considerable potential for electricity generation. Generation projects based on these resources will be assessed on a case-by-case basis.

Energy Crops

There are a wide variety of crops which could be grown specifically for energy generation purposes ("energy crops"), including crops such as timber, vegetable oils, fibre crops or complex sugars. Many of these crops have benefits in addition to the production of Renewable Energy, such as the production of timber and oils, provision of habitat corridors, alleviation of salination problems etc; and projects that have multi-use purpose may be more likely to be accepted by the community. The acceptability of various energy crops will depend upon the agricultural and harvesting practices used, and whether these are considered sustainable. Energy crops sourced from crop activities that clear, or have cleared after 1990, existing old growth or native forests, will not be accepted.

Hydro-Electric

The environmental impact and perceptions of consumers towards hydro-electric generators varies depending upon the size of the system, its location, the conservation and community value of the impacted area and the hydrology management.

Consumers may be critical of hydro-electric projects which: -

- Result in the large scale flooding of ecosystems;
- Reduce conservation values, particularly in highly sensitive areas;
- Involve major diversions of rivers;
- Provide inadequate environmental flows;
- Involve the construction of major new dams and roads in sensitive areas.

Consumers are more likely to accept projects that: -

- Have had broad stakeholder consultation and acceptance;
- Have adequate environmental flows;
- Are retrofitted dams that have been built for other purposes.

Hydro-electric projects which require new dam construction resulting in the flooding of ecosystems can have considerable impact on the environment. As a result consumer perceptions are likely to be critical and as such, projects of this nature will not be accepted for inclusion in GreenPower Products.

In addition, hydro-electric projects which divert water from rivers, or from one river to another, and do not adequately allow for environmental flows, can severely alter eco-systems associated with the river. Such projects are not accepted for inclusion in GreenPower Products.

Hydro-electric projects which involve the installation of generation facilities alongside dams which have already been built for other purposes are likely to be acceptable. In this case the production of electricity has not led directly to construction of the dam. The precise environmental impacts of any proposal need to be examined to ensure that these are minimised.

In situations where hydro-electric generators are used in pumped storage mode, only the net export of the system can be classified as 'green' electricity generation.

Wind Power and Windfarms

Wind turbines and windfarms have the ability to impact the local environment, particularly in relation to visual amenity, noise and bird-strike. Sufficient consultation with local stakeholders and efforts to minimise the impact on local amenity should be undertaken to ensure their acceptability under the National GreenPower Accreditation Program.

Solar Thermal Electric

Solar thermal electric generation plants may use a non renewable fuel such as natural gas to support the generator when sufficient solar energy is not available. In such cases, only that contribution which can be directly attributed to the Renewable Energy component would be considered to be 'green' (at a level greater than 50% as per the definition of a GreenPower Generator).

Coal Mine Waste Gas and Coal Seam Methane

Coal mine waste gas generation based on vent or drainage gas from mines, where the methane must be drained for safety reasons, has the capacity to reduce greenhouse gas emissions substantially. However, coal mine waste gas is a fossil fuel, and therefore does not pass the test of being renewable. Non-waste coal seam methane is a fossil fuel equivalent to natural gas.

Coal mine waste gas and coal seam methane generation therefore cannot be considered as a Renewable Energy source under the definition of the National GreenPower Accreditation Program.

Embedded Generators (including Rooftop Photovoltaic Systems)

A number of electricity consumers, particularly at the domestic level, have recently installed small grid-connected Renewable Energy systems (such as rooftop PV systems) for their own use. In general, generation from such a system is acceptable for GreenPower, provided the conditions summarised below are satisfied.

Conditions

- GreenPower Providers can claim the output of embedded generator for GreenPower, as long as the GreenPower Provider can provide verification of their ownership of the GreenPower Rights associated with the claimed amount of generation.
- For cases where the GreenPower Provider does not actually own or partly own the system, the GreenPower Provider must demonstrate that the GreenPower was purchased from the owner at an appropriate cost-reflective tariff. The GreenPower Provider will also need to advise the owner that the system's generation will be sold under GreenPower and that the GreenPower Provider will be receiving a premium for it. Electricity GreenPower Providers will be required to demonstrate that the GreenPower Customer understands this.
- Where a GreenPower Provider claims the output of a system as GreenPower, GreenPower Providers cannot sell the output as GreenPower and also claim that it is being provided to the host as solar power or GreenPower electricity.
- For all systems used for GreenPower, the electricity GreenPower Provider must be able to verify the amount of electricity generated from the system or exported to the grid to which the GreenPower Rights are associated. For small-scale systems (under 10 kW) the GreenPower Provider may be able to claim all (or a proportion) of the deemed output according to the default generation values set out in the Federal Renewable Energy (Electricity) Regulations 2001 (Schedule 5) and any subsequent modifications.

Deemed amounts for small generators may be created each year, or in 5 year blocks. Deemed amounts are to be reported in full in the Settlement Period in which they are created. There will be no carry over to the next period of deemed amounts except where it has been authorised under flexibility mechanisms outlined in Section 3.7.

Approval

The Program Manager will accept bulk submissions for embedded generators, such as rooftop PV systems, within one generator application, as long as the relevant details for each individual system are provided.

Geothermal, Wave and Tidal Power Stations

Geothermal, wave and tidal technologies are relatively new to the Australian Renewable Energy market, and have only reached demonstration phase to date. Applications for approval for these types of projects will be accepted under the National GreenPower Accreditation Program. Generation projects based on these resources will be assessed on a case-by-case basis, and general project, community and environmental eligibility criteria will apply.

Specific guidelines for these types of projects will be developed over time in consultation with stakeholders.

Appendix B: GreenPower Generator Approval Application

All generators used in a GreenPower Product must be GreenPower Generators, as defined in Section 2.2. GreenPower Providers must ensure that all generators to be used in their Product have been given written GreenPower approval, prior to the inclusion of these generators in the GreenPower Product. Either GreenPower Providers or generator owners can request approval. Application details are provided below.

As previously mentioned, the two types of GreenPower Generators are:

- **New** GreenPower Generator: defined as an electricity generator or increase in generator capacity[3], which was commissioned or first sold energy (whichever is earlier) after the launch of the relevant GreenPower Product or after January 1, 1997 (whichever is earlier) and that is accredited under the National GreenPower Accreditation Program.

- **Existing** GreenPower Generator: defined as an electricity generator or increase in generator capacity which was commissioned or first sold energy (whichever is earlier) prior to January 1, 1997 and that is accredited under the National GreenPower Accreditation Program.

1. Process of Application

The application and assessment process for gaining approval for a GreenPower Generator involves the following steps:

1. The generator owner or GreenPower Provider submits the required information and any supplementary documentation to the Program Manager, allowing at least two weeks for initial assessment.

2. Where the application does not meet the requirements and guidelines in the National GreenPower Accreditation Document, or where insufficient details are provided, the applicant is advised accordingly. Where required by the NGPSG, a formal public consultation process will be undertaken and coordinated by the Program Manager prior to the assessment of the project for approval (see Appendix A for details). The NGPSG will accept written submissions within a specified time-frame for each round.

3. In cases where a formal consultation process is not required, the Program Manager will undertake an ad-hoc informal consultation process with stakeholders.

4. The Program Manager assesses application for approval, having regard to the fundamental objectives of the National GreenPower Accreditation Program, the generator eligibility criteria and where applicable, submissions received in the formal and informal consultation processes. Proponents will be given the opportunity to respond to issues raised.

5. If the application meets all guidelines, the Program Manager advises the applicant of this by way of an official letter of approval for the generator, and invoices the applicant for the associated fee (see Section 3 of this Appendix). The date of accreditation for a generator will be backdated to the date of application submission to the Program Manager. Subject to receiving approval, the GreenPower Generator can be used in an accredited GreenPower Product.

2. Required Information

The following information must be submitted such that the Program Manager can assess and approve a generator, prior to its inclusion in a GreenPower Provider's GreenPower Product: -

- Name, location (include postcode), owner of station, key contact (name and contact details), connection point;
- Commissioning date, date of first operation of each unit (where available) and date of first sale of electricity; *

[3] Where it involves an increase in generator capacity (e.g. upgrades), new generation is measured as that generation which occurs over and above the existing installed capacity as a result of significant capital investment.

- Electrical capacity of each unit (MW); *
- Expected annual energy production of station (MWh);
- Description of power purchase arrangements (pricing not required), if any; *
- Detailed description of site, including maps, schematics where available, in particular showing any water diversions for hydro projects;
- Description of operation of the generator, to clarify whether the operation may impose any environmental impacts that need consideration;
- Description of fuel sourcing, particularly for projects using biomass fuels;
- Details of any proportion of non-eligible fuel components (e.g. fossil fuels) that would need to be netted out, outlining how the Renewable Energy component would be quantified; *
- Details of auxiliary loads[4]
- Details of community and stakeholder consultation relating to the project; and,
- Statement of Environmental Effects (see below);
- ORER accreditation details (if applicable);
- Confidentiality of information**;
- Other details required by the Program Manager

* *Please note that applicants are welcome to submit a copy of the ORER Application for Accreditation with the additional details marked with *, or evidence that the ORER has deemed it ineligible for MRET Accreditation.*

** *Please note that where generators are approved and used in a GreenPower Product, certain details provided above are released publicly under GreenPower reporting requirements (e.g. description of generator, name, location, owner and commissioning date).*

Submissions may be forwarded to the Program Manager via fax, email or post.

It is important that all information provided in an application is correct and not misleading. The Program Manager is within its rights to withdraw approval of any generators, which are subsequently found to have environmental concerns that were not advised at the time of application. Proponents who disagree with a decision of the Program Manager may appeal against the decision to the NGPSG. A decision of the NGPSG is final and cannot be contested.

3. Statement of Environmental Effects

A Statement of Environmental Effects should address key environmental issues including potential impacts of the project and proposed mitigation, and how the project fits in with the principles of Ecological Sustainable Development[5] (ESD). In summary, these principles would include: -

(a) **The precautionary principle** namely, that if there are threats of serious or irreversible environmental damage, lack of full scientific certainty should not be used as a reason for postponing measures to prevent environmental degradation.

(b) **Inter-generational equity** namely, that the present generation should ensure that the health, diversity and productivity of the environment are maintained or enhanced for the benefit of future generations.

(c) **Conservation of biological diversity and ecological integrity** namely, that conservation of biological diversity and ecological integrity should be a fundamental consideration.

(d) **Improved valuation, pricing and incentive mechanisms** namely, those environmental factors should be included in the valuation of assets and services.

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[4] Auxiliary loads and electric parasitics associated with the process of electricity generation are netted out of the total output for determining eligible 'green' generation, unless they are considered to be insignificant (i.e. less than 1%). The generator owners will need to provide verification of the magnitude of these losses.

[5] Refer to the Commonwealth Environment Protection and Biodiversity Conservation Act, 1999.

Key environmental considerations for a generator can be broadly categorised into the following:

- Global warming
- Impact on natural and cultural heritage
- Land use
- Transport use and impacts
- Project impact on the host industry
- Impact on flora and fauna
- Water, soil and air quality
- Visual & noise impacts
- Use and disposal of waste or by-products

Potential impacts can differ for each generation project type and are often site-specific. Issues to consider are detailed below in Table 1 and while not comprehensive, provide a guide to address the key environmental and community concerns for each generation type.

Applicants will need to provide evidence of community and local stakeholder consultation and support for each project (e.g. local residents, interest groups, environmental advocacy groups).

Where possible, supporting documentation (e.g. development approvals) should also be submitted with the application.

Where an Environmental Impact Statement or Environmental Impact Assessment has been undertaken for the project as required by relevant planning legislation, the Program Manager will accept a copy as appropriate documentation, provided they contain all required details.

Table 1 – Key ESD Considerations

Generator Type	Key ESD Considerations
SOLAR Solar Farm	Potential land-use impacts – interference with cultural heritage, archaeological sites, recreational use. Biodiversity impacts – vegetation clearance, loss of wildlife habitat. Visual impacts. Plans for decommissioning stage e.g. rehabilitation of site to its original state, disposal/reuse of materials.
WIND FARM	Noise, and visual amenity – assessment of impacts and minimisation efforts for local residents (e.g. proximity to domestic dwellings). Potential land-use impacts – interference with cultural heritage and archaeological sites, high conservation value area, recreational use. Biodiversity impacts – vegetation clearance, loss of wildlife habitat, interference with bird migratory routes. Eco-tourism considerations – increased traffic issues, road access, visitor facilities and parking etc. Plans for decommissioning stage – rehabilitation of site to its original state, disposal/reuse of turbines and blades.
HYDRO	Locational considerations including cultural, wilderness, scientific, recreational and conservation values. Construction impacts e.g. noise and dust, downstream nutrient and sediment effects, barriers to fish migration, disturbance to breeding habitat for birds and fish. Biodiversity impacts – changes to terrestrial/riverine habitats, soil erosion, effects on migratory fish species, reductions in in-stream fisheries (fish barrier). Changes to water quality and groundwater recharge e.g. nutrient concentration levels, O_2 concentrations, temperature, and pH. Transmission lines and road access considerations e.g. visual intrusion, habitat fragmentation, and disturbance of historical sites, land-use changes. Consideration of mitigation measures or offset, restorative and compensatory opportunities to address potential adverse affects outlined above (contamination and physical, ecological etc.) Management measures for adequate environmental flows. Impact of variations in downstream water flows. Plans for decommissioning stage e.g. rehabilitation of site to its original state, disposal/reuse of materials. Approved water management plan for the sustainable management of the hydro catchment (where applicable).
BIOMASS General *These issues should be considered for all types of biomass (below).* Biomass (cont.)	Compliance of generator with relevant 'best-practice' environmental pollution requirements (i.e. noise, air emissions) e.g. EPA requirements. Air quality impacts/improvements – assessment of air emissions levels (e.g. NOx, SOx, dioxins, particulates, ash). Water quality impacts – surface and groundwater pollution. On-going monitoring and treatment/control measures proposed. Use or disposal of by-products (e.g. ash recycling, landfilling). Diversion of material from other disposal mechanisms e.g. pit-burning, landfill. Noise, visual amenity, odour and health impacts during construction and operational stages. Effect on existing industries or activities (e.g. will the project support marginal activity or encourage expansion?). Transmission lines and road access considerations e.g. visual intrusion, habitat fragmentation, and disturbance of historical sites, land-use changes. Consideration of production of biomass in a landscape context, with farm

Generator Type	Key ESD Considerations
	management practices linked to regional targets for sustainable environmental and natural resource management. Fuel transport - energy used and distance travelled to site. Plans for decommissioning stage e.g. rehabilitation of site to its original state, disposal/reuse of materials. Appropriate and transparent community consultation process from siting stage throughout project development.
Landfill Gas	On-going monitoring and treatment/control measures proposed e.g. cleaning of landfill gas prior to burning, scrubbers, and catalytic converters. Land-use impacts – potential interference of gas extraction with landfill site rehabilitation and intended use.
Municipal Solid and Green Wastes	Application of the Waste Management Hierarchy Diversion from existing use and consideration of alternative uses, avoidance/reuse/reprocess mechanisms (e.g. composting, horticultural) Diversion from other disposal mechanisms e.g. pit-burning, landfill Quantity of non-renewable materials converted to energy (e.g. plastics).
Wood Wastes	Compliance of fuel source with GreenPower wood waste requirements and guidelines, and ability to meet verification conditions (Appendix A). Diversion from existing use and consideration of alternative uses, avoidance/reuse/reprocess mechanisms (e.g. composting, horticultural) Influences of generation project on future operational viability of agricultural site (i.e. host industry).
Agricultural Wastes	Influences of generation project on future operational viability of agricultural site (i.e. host industry). Diversion from existing residue utilisation (e.g. field retention, composting, stockfeed, animal bedding). Impact of storage.
Wet Wastes	Use or disposal of post-digested waste (e.g. fertiliser). Impact of transport and storage of pre- or post-digested wastes (e.g. odour). Avoidance of toxic and noxious emissions.
Energy Crops	Sustainability of agricultural practices (e.g. use of fertiliser, irrigation, herbicides, pesticides). Biodiversity impacts - vegetation clearance, loss of wildlife habitat. Salination and nutrient cycling considerations. Additional uses and benefits of product produced.

The Program Manager will provide examples of the above criteria upon request.

3. Generator Fees

As from 1 January 2003 a generator assessment fee applies to all GreenPower accreditation applications for projects greater than 1MW. An annual accreditation fee was applied to all New GreenPower Generators (>1MW) from 1 January 2004.

The fee structure is detailed in the following table.

Type	Description	Fee
Generator Assessment Fees		
Small Projects	Small scale projects, less than 1MW. For example, domestic solar installations and Solar in Schools projects.	No charge
Pre–approval Assessment of projects (or upgrades)	The generator is seeking board approval (either own or GreenPower Provider) for a development or upgrade and GreenPower pre-approval will add weight to the proposal; A submission has been received prior to development permits being granted, or to community consultation having been undertaken. In these situations, a pre-approval may be granted.	$300 (non-refundable)
Projects (or upgrades) greater than 1MW	Full GreenPower approval process, including stakeholder consultation.	$600* *$300 if pre-approved (i.e. Total: $600)
Annual Accreditation Fees for New GreenPower Generators (applicable from 1 January 2004)		
Applicable only to projects greater than 1 MW	Maintain accreditation and benefits thereof, including use of GreenPower Generator Logo; administration of ongoing generator concerns/appeals etc	$500 per year

Generator Assessment Fees are applied to both successful and unsuccessful applications. All applicants will be invoiced the associated fee on completion of the assessment process.

A maximum of $2000 per annum is charged to owners of multiple GreenPower Generators for annual accreditation.

The annual accreditation fee may be settled by the GreenPower Generator owner on an annual basis; for a longer term (for example five years); or for the duration of any power purchase arrangements that may be in place, whichever is most suitable for the specified GreenPower Generator.

Appendix C: Definition of Terms

Accreditation Criteria	The criteria for GreenPower Products as detailed in Section 3, 4 and 5 of this document.
Accreditation Document	This document and its appendices as may be amended from time to time.
GreenPower Customer	A domestic or commercial entity for which the GreenPower Provider has established a contract for the provision of a GreenPower Product. In the event that several contracts have been established for a single agency or commercial entity (eg for separate retail outlets or government agency departments) then each contract should be considered a separate customer.
Existing GreenPower generation	Electricity generated by an Existing GreenPower Generator.
Existing GreenPower Generator	An electricity generator or increase in generator capacity which was commissioned or first sold energy (whichever earlier) prior to 1 January 1997 and that has been accredited under the National GreenPower Accreditation Program.
Force Majeure	In relation to a party, means any cause outside the affected party's control including, but not limited to, an act of God, fire, lightning, explosion, flood, subsistence, insurrection or civil disorder, war or military operation, sabotage, vandalism, embargo, government action, or compliance in good faith with any law, regulation or direction by any Federal, State or Local Government or authorities, any network failure, or any failure on the part of the Network Operator or a generator, industrial disputes of any kind.
Gasification	The efficient conversion of solid fuel to gaseous fuel. The gas made can produce heat and electricity using gas engine generators.
GreenPower Designated Account	A separate 'account' created by a GreenPower Provider on the REC Registry website for the purposes of holding RECs which have been transferred into this account for compliance with the Accreditation Criteria.
GreenPower Generator	For the purposes of this Program, a GreenPower Generator is defined as an electricity generator approved by the Program Manager that results in greenhouse gas emission reduction and overall environmental benefits, and is based primarily on a Renewable Energy resource.
GreenPower Generator Eligibility Requirements	The requirements to which generators must comply in order to gain and maintain GreenPower Generator approval, as detailed in Section 5 and Appendix A and B of this document.
GreenPower Product	Any product or service that enables customers to voluntarily contribute financially to Renewable Energy generation from GreenPower Generators, and has been accredited under the National GreenPower Accreditation Program.
GreenPower Provider	Any person or organisation that operates a GreenPower Product.
GreenPower Right	A right to claim any eligible GreenPower generation (or a portion of generation) from a GreenPower Generator that may be bought by or transferred to a GreenPower Provider for use in respect of a GreenPower Product.
Incineration	The burning of solid or liquid residues or wastes to produce heat and electricity using steam turbine generators.
Industrial/Commercial/Municipal Solid Wastes	Mixed waste stream sourced from domestic garbage collections and council operations (e.g. sweeping and litter bins), commercial and industrial collections, which can include food waste, organic matter, plastics, paper and other materials.
Mandatory Renewable Energy Target (MRET)	A federal target for the additional uptake of Renewable Energy established under the Renewable Energy (Electricity) Act 2000. The Commonwealth Government now requires all electricity GreenPower Providers (and wholesale purchases) to source an additional 9500 gigawatt hours (GWh) of their product from Renewable Energy sources by the year 2010, based on their 1997 output.
Municipal Green Waste	Trimmings, prunings and clippings from domestic and council vegetation management and gardening activities including grass, leaves, mulch, branches/twigs, tree boles, stumps and loppings.

National GreenPower Accreditation Program	The framework established for GreenPower Products, as described in this document.
Net Environmental Benefit	The environmental benefits associated with a project outweigh the adverse environmental impacts. Impacts are considered within an Ecologically Sustainable Development (ESD) framework and include: greenhouse gas reduction; water and air quality; land use; impact on flora and fauna; impact on cultural/natural heritage; visual and noise impacts; use and disposal of waste products; transport etc.
New GreenPower generation	Electricity generated by a New GreenPower Generator.
New GreenPower Generator	An electricity generator or increase in generator capacity which was commissioned or first sold energy (whichever is earlier) after the launch of the relevant GreenPower Product or after 1 January 1997 (whichever is earlier) and that has been accredited under the National GreenPower Accreditation Scheme.
Product Development Plan	GreenPower Providers will need to provide a Product Development Plan in any product application for GreenPower accreditation. This includes details of new New GreenPower Generators to be used in the proposed GreenPower Product, including description, type of unit, location, ownership details and capacity (where known). Where details of a specific generator have not yet been identified, the plan would include a general description of the development direction of the product.
Program Manager	The Program Manager nominated by DEUS, the contact details for whom are set out after the contents pages of this Accreditation Document.
Pyrolysis	The production of a carbon rich solid fuel and a hydrocarbon rich gas by heating a biomass feedstock in the absence of oxygen.
Renewable Energy	Energy which is naturally occurring and which is theoretically inexhaustible, such as energy from the sun or the wind, and which by definition excludes energy derived from fossil fuels or nuclear fuels. (*Source:* The Macquarie Concise Dictionary)
Renewable Energy Certificates (RECs)	RECs are created by electricity generators that have been accredited and registered by the Office of Renewable Energy Regulator (ORER) for MRET (1 REC = 1 MWh).
Settlement Period	1 January through to 31 December each year unless otherwise agreed with the Program Manager.
Sustainably harvested	Harvesting operations undertaken in a manner as to maintain the area's ecological viability and productive capacity*, and minimise any adverse environmental impacts in accordance with the principles of ecologically sustainable development e.g. to prevent soil erosion and contamination, protect water resources, provide for biodiversity conservation and protect culturally significant sites and threatened species habitat. Operations are approved under, or comply with, relevant Commonwealth, State or Territory planning and assessment processes. *Where applicable i.e. for agriculture, plantation forests, energy crops.
Waste Management Hierarchy	A system of prioritising ecologically sustainable waste solutions, based on the maximum conservation of resources (listed in order of preference): 1. Cleaner production 2. Waste avoidance 3. Waste minimisation 4. Re-use or recycle 5. Waste to energy 6. Landfill

Appendix D: National GreenPower Steering Group Charter

The National GreenPower Accreditation Program in Australia is governed by a national body known as the National GreenPower Steering Group (NGPSG). The NGPSG is responsible for the overall management of the affairs of the Program.

Representatives

The NGPSG is comprised of representatives from participating state government agencies in the ACT, NSW, Queensland, South Australia, Victoria and Western Australia, in correspondence with non-financial member organisations in Tasmania, Northern Territory and the Commonwealth. Agencies include:

• Chief Minister's Department	ACT
• Department of Energy, Utilities & Sustainability	NSW
• Department of Energy	Queensland
• Department of Infrastructure, Energy and Resources	South Australia
• Sustainability Victoria	Victoria
• Office of Energy	Western Australia
• Department of Environment and Heritage	Commonwealth
• Department of Infrastructure, Energy and Resources	Tasmania
• Department of Business, Industry and Resource Development	Northern Territory

Mission

Delivering effective strategic management of the National GreenPower Accreditation Program through widespread collaboration with all relevant stakeholders on accreditation and policy issues to guarantee program integrity, consistency and credibility.

The Role of the NGPSG

- To facilitate the operation of the National GreenPower Accreditation Program in keeping with its aim to drive investment in the Renewable Energy industry in Australia;
- To ensure the rules of the program evolve and develop over time to maintain the program's relevance according to the changing market environment, consumer behaviour and industry conditions;
- Address and resolve strategic and policy issues as they arise;
- To ensure that the accreditation and verification of GreenPower Products and GreenPower Generators is handled in a credible, timely and effective manner;
- To determine and implement modifications to the GreenPower Logos;
- To determine the removal of accreditation of GreenPower Products;
- To resolve any disputes that arise through the appeal process;
- To agree the annual program budget and to review the appointment of the Program Manager at the end of each three year term; and
- To carry out any other such activities as are necessary for the successful operation of the National GreenPower Accreditation Program.

In each state, NGPSG participants are responsible for building relationships with local GreenPower Providers and other stakeholders, and providing support for any general policy and generator accreditation issues. Specifically, each participant agrees to:

- Help to undertake marketing activities;
- Liaise with Stakeholders to identify and address local issues associated with particular generators, generator proposals, or GreenPower Products; and with the press on local issues;
- Advise the Program Manager of specific or potential local issues arising which may have an impact on the National GreenPower Accreditation Program; and
- Inform relevant local community and industry members via the GreenPower progress reports (quarterly and annual) and other related materials.

These agencies may also co-ordinate information and education activities within their jurisdiction to support the efforts of GreenPower Providers. Such campaigns may include advertising, joint promotional events, seminars or provision of information in hard copy or on-line.

The NGPSG encourages all stakeholders to participate in the growth and evolution of the National GreenPower Accreditation Program.

Role of the Program Manager

Day-to-day management of the Program rests with the Program Manager, currently the NSW Department of Energy, Utilities & Sustainability. In brief, DEUS is responsible for:

- initial and ongoing accreditation of GreenPower Products and GreenPower Generators;
- reporting – quarterly and annual audits;
- provision of information to participating agencies, GreenPower Providers, GreenPower Generators, potential and actual GreenPower Customers and consumer groups;
- coordinating consultation and central contact point for stakeholders (i.e. environmental and consumer organisations, GreenPower Providers and GreenPower Generators) with regard to changes to the program or issues as they arise;
- processing licence applications to use the GreenPower Customer logo;
- maintaining the national website at www.greenpower.gov.au; and
- other projects and activities as they arise.

Further information

The NGPSG meets at least twice a year, and new representatives may join as the National GreenPower Accreditation Program expands into new states or regions.

For contact details of the NGPSG, visit www.greenpower.gov.au.

hydro

solar

wind

biomass

URS