GreenPower™
Accredited Renewable Energy

National GreenPower Accreditation Program

Annual Compliance Audit

1 January 2007 to 31 December 2007

Publisher

NSW Department of Water and Energy
Level 17, 227 Elizabeth Street
GPO Box 3889
Sydney NSW 2001

T 02 8281 7777 **F** 02 8281 7799

information@dwe.nsw.gov.au

www.dwe.nsw.gov.au

National GreenPower Accreditation Program
Annual Compliance Audit

1 January 2007 to 31 December 2007

December 2008

ISBN 978 0 7347 5501 8

Acknowledgements

We would like to thank the National GreenPower Steering Group (NGPSG) for their ongoing support of the GreenPower Program.

The NGPSG is made up of representatives from the NSW, VIC, SA, QLD, WA and ACT governments.

The Commonwealth, TAS and NT are observer members of the NGPSG.

The 2007 GreenPower Compliance Audit was completed by URS Australia Pty Ltd for the NSW Department of Water and Energy, on behalf of the National GreenPower Steering Group.

DWE 08_258

Contents

Tables

Figures

Section 1 | 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 3.4, January 2007.

The settlement period for this audit extends from 1 January 2007 to 31 December 2007.

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 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;
- Transfer of eligible Renewable Energy Certificates (RECs);
- GreenPower provider purchases of GreenPower products; and
- Compliance with rule changes that were implemented from 1 January 2006 (Transitional Arrangements).

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 fulfill DWE auditing responsibilities.

All GreenPower products offered at any time between 1 January 2007 and 31 December 2007 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 3.4, January 2007 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 2008 and 17 September 2008 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 2007;

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

Sections 4 to 37 – provide an audit opinion for each GreenPower product for the 2007 settlement period.

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

Section 2 | National GreenPower Accreditation Program 2007

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), Western Australia (WA) and Tasmania (TAS) and renamed the 'National GreenPower Accreditation Program'. In May 2000, the National GreenPower Steering Group was officially established and the 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.

2.2 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, QLD and TAS, 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 from 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. The GreenPower accredited portion of a blended product must be equivalent to at least 10 per cent of a customer's total electricity consumption.

2.2.1 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.

2.2.2 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 provider's GreenPower sales cannot be used by a provider 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 and voluntarily surrender 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 'surrenderred' to a registered GreenPower account. This includes details such as the name of generators from which RECs were created.

2.2.3 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 7.27tCO2-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.

2.2.4 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 2007 there were 262 GreenPower generators approved in Australia, including 176 '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.

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.

2.3 Participation

2.3.1 Reporting Period

The 2007 settlement period is from 1 January 2007 to 31 December 2007, covering a 12 month period.

A comparison in GreenPower customer numbers, purchases and sales figures has been used for the 2007 and 2006 reporting periods and is presented throughout this report.

2.3.2 GreenPower Product Providers/Products

During the 2007 settlement period, 34 GreenPower accredited products were offered by GreenPower product providers to residential and commercial customers nationally (Table 2.1). This is seven 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	TAS
ActewAGL	GreenChoice	☼	☼	☼	☼	☼	☼	☼
AGL	Cleangreen			☼				
	Green Energy	☼	☼	☼	☼		☼	
	Green Spirit	✱	✱		✱			
	Green Living	✱	✱		✱			
Alinta	Alinta GreenPower					✓		
ARK Climate	ARK Climate	☼	☼	☼	☼	☼	☼	☼
Aurora Energy	AuroraGreen	✓	✓	✓	✓		✓	✓
Australian Power & Gas	Greentricity	✱	✱	✱				
Click Energy	ClickNatural		✱					
Climate Friendly	Climate Neutral Power	☼	☼	☼	☼	☼	☼	☼

Provider	Product	States Offered						
		NSW	VIC	QLD	SA	WA	ACT	TAS
Country Energy	Countrygreen	☼	☼	☼	☼		☼	
COZero	GreenEnergy	☼	☼	☼	☼	☼	☼	☼
Domayne	Domayne GreenPower	✱		✱			✱	
EnergyAustralia	PureEnergy	☼		☼			☼	
Ergon Energy Queensland	Clean Energy			☼				
Global Green Plan	GreenSwitch	☼	☼	☼	☼	☼	☼	☼
Integral Energy	Business Green	✓	✓	✓			✓	
	Hampton Wind Park (no longer offered to new customers)	✱						
	*IN*green / Wyuna Water	☼		☼				
Jackgreen	Jackgreen Power	☼	☼	☼	☼		☼	
Momentum Energy	Momentum Energy Green		☼		☼			
Origin Energy	Earth'schoice			☼				
	EcoPower – (not currently offered to new customers)		☼					
	EcoSaver – Residential Option (no longer offered to new customers)		✱					
	GreenEarth	☼	☼	✓	☼	✓	✓	
Simply Energy	Greensaver		☼		☼			
	Green@work		✓		✓			
South Australia Electricity	GreenEnergy				☼			
Synergy	EasyGreen					✱		
	NaturalPower					☼		
TRUenergy	TRUenergy green	☼	☼	✓	☼		☼	
Victoria Electricity	GreenEnergy		☼					
Viridor	Deep Green Renewable	✓	✓	✓	✓	✓	✓	✓

☼ Available to residential / commercial customers

✱ Available to residential customers only

✓ Available to commercial customers only

2.4 Changes to GreenPower Products

During the period from 1 January 2007 to 31 December 2007, 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.

- AGL – Powerdirect became a subsidiary of AGL during the third quarter of 2007, therefore Cleangreen is now reported by AGL.
- AGL - Green Spirit was launched during the first quarter of 2007. Green Spirit is a 10% GreenPower accredited product available to residential customers in NSW, VIC and SA.
- Alinta – launched Alinta GreenPower during the first quarter of 2007. Alinta GreenPower EcoPlus is a consumption based product offered to commercial customers in WA with an electricity consumption of more than 50,000 kwh per annum.

- ARK Climate – launched ARK Climate GreenPower during the second quarter of 2007. ARK Climate GreenPower is a block based product offered to residential and commercial customers throughout Australia via a web interface.
- Aurora Energy – launched AuroraGreen during the second quarter of 2007. AuroraGreen is a consumption based product offered to commercial customers in NSW, ACT, QLD, VIC, SA and TAS.
- Australian Power & Gas – launched Greentricity during the first quarter of 2007. Greentricity gives customers the option to purchase 10 per cent, 50 per cent or 100 per cent of the amount of electricity they use from accredited GreenPower generators. Greentricity is offered to residential customers in NSW, VIC and QLD.
- Click Energy – launched ClickNatural GreenPower during the second quarter of 2007. ClickNatural is a 25 per cent consumption based product available to residential customers throughout VIC.
- Country Energy – countrygreen and countrygreen energy have been combined as one product for reporting during the 2007 settlement period and are now reported as countrygreen.
- COZero – launched GreenEnergy during the third quarter of 2007. COZero GreenEnergy is available to residential and commercial customers throughout Australia via a web interface.
- Domayne – launched Domayne GreenPower during the third quarter of 2007. Domayne GreenPower is a 10 per cent block based product sold to consumers in conjunction with the purchase of electrical goods at Domayne department stores. Domayne GreenPower is available to residential customers in NSW, QLD and ACT.
- EnergyAustralia – PureEnergy 10 and PureEnergy Premium have been combined as one product for reporting during the 2007 settlement period and are now reported as PureEnergy.
- EnergyPacific – launched Pacific Hydro in the fourth quarter of 2007. Energy Pacific has not reported any customers, sales or purchases during the 2007 settlement period.
- Ergon Energy Queensland – changed the structure of Clean Energy during the first quarter of 2007. Clean Energy now consists of 50 per cent new GreenPower (previously 30 per cent). Clean Energy was reported solely by Ergon Energy Queensland during 2007 as Powerdirect became a subsidiary of AGL.
- Integral Energy – several Integral Energy GreenPower products were combined for reporting purposes during 2007. Wyuna Water was combined with Hampton Park Wind during the third quarter and INgreen during the fourth quarter of the settlement period. Existing Wyuna Water customers were provided with an alternative GreenPower accredited generation source.
- Momentum Energy – launched Momentum Energy Green during the second quarter of 2007. Momentum Energy Green is provided to residential customers as a block based product. Commercial customers are offered a consumption based product and are able to choose 10 per cent, 20 per cent, 25 per cent, 50 per cent, 75 per cent or 100 per cent of their electricity usage to be supplied from accredited GreenPower generators. Momentum Energy Green is available throughout VIC and SA.
- Origin Energy – Earth'schoice is now reported by Origin Energy since Energex was purchased by Origin Energy during February 2007. Earth'schoice is only available to new franchise business and franchise residential customers in QLD. Residential customers choose a minimum kWh amount, ranging from 330 kWh to 3,960 kWh per bill. For each contribution Origin Energy purchases a minimum amount of GreenPower on behalf of the

customer. Commercial customers choose a percentage of electricity consumption or a fixed volume of green energy (minimum level of 10 per cent of electricity usage).

- Simply Energy – EA-IPR Retail Partnership changed its trading name to Simply Energy effective 1 August 2007. Simply Energy GreenPower products (GreenSaver and GreenSaver Premium) were combined for reporting purposes during the second quarter of 2007.
- South Australia Electricity – launched Green Energy during the third quarter of 2007. South Australia Electricity is a consumption based product with the choice of either ECOGREEN a 10 per cent GreenPower accredited product or PREMIUMGREEN a 100 per cent GreenPower accredited product. South Australia Electricity's Green Energy is available to residential and commercial customers throughout SA.
- Synergy – launched its EasyGreen GreenPower product during the fourth quarter of 2007. EasyGreen is a block based GreenPower product available to residential customers located on Synergy's South West Interconnected System in WA.
- Victoria Electricity – launched Green Energy during the first quarter of 2007. Victoria Electricity Green Energy is a consumption based product available to residential and commercial customers in VIC. Residential and commercial customers choose either EcoGreen 10 per cent or Premium Green 100 per cent.
- Viridor – launched Deep Green Renewable during the third quarter of 2007. Viridor Deep Green Renewable is a block based product available to commercial customers throughout Australia. Customers choose to allocate anywhere from 1 per cent to 100 per cent of electricity consumption to Viridor Deep Green Renewable.

Table 2.2 Availability of GreenPower Products

Provider	Product	Mar 2007	June 2007	Sept 2007	Dec 2007
ActewAGL	GreenChoice	✓	✓	✓	✓
AGL	Cleangreen	✓	✓	✓	✓
	Green Energy	✓	✓	✓	✓
	Green Living	✓	✓	✓	✓
	Green Spirit	✓	✓	✓	✓
Alinta	Alinta GreenPower	✓	✓	✓	✓
ARK Climate	ARK Climate		✓	✓	✓
Aurora Energy	AuroraGreen		✓	✓	✓
Australian Power & Gas	Greentricity	✓	✓	✓	✓
Click Energy	ClickNatural		✓	✓	✓
Climate Friendly	Climate Neutral	✓	✓	✓	✓
Country Energy	countrygreen	✓	✓	✓	✓
COZero	GreenEnergy			✓	✓
Domayne	Domayne GreenPower			✓	✓
EnergyAustralia	PureEnergy	✓	✓	✓	✓
Ergon Energy Queensland	Clean Energy	✓	✓	✓	✓
Global Green Plan	GreenSwitch	✓	✓	✓	✓
Integral Energy	Business Green	✓	✓	✓	✓
	Hampton Wind Park	✓	✓	✓	✓
	*IN*green / Wyuna Water	✓	✓	✓	✓
Jackgreen	Jackgreen Power	✓	✓	✓	✓

Provider	Product	Mar 2007	June 2007	Sept 2007	Dec 2007
Momentum Energy	Momentum Energy Green		✓	✓	✓
Origin Energy	Earth'schoice	✓	✓	✓	✓
	EcoPower	✓	✓	✓	✓
	EcoSaver	✓	✓	✓	✓
	GreenEarth	✓	✓	✓	✓
Simply Energy	GreenSaver	✓	✓	✓	✓
	Green@work	✓	✓	✓	✓
South Australia Electricity	GreenEnergy			✓	✓
Synergy	EasyGreen				✓
	NaturalPower	✓	✓	✓	✓
TRUenergy	TRUenergy green	✓	✓	✓	✓
Victoria Electricity	Green Energy	✓	✓	✓	✓
Viridor	Deep Green Renewable			✓	✓

2.5 GreenPower Customers

As of 31 December 2007, 711,263 residential and 29,617 commercial customers purchased GreenPower nationally. This represents a 90.2 per cent increase in residential customers and a 69.4 per cent increase in commercial customers from 31 December 2006. The total number of GreenPower customers amounted to 740,880. This equates to a rise of 89.3 per cent since the end of the 2006 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 2007

Provider	Product	Residential Customers	Commercial Customers
ActewAGL	Green Choice	**10,231**	**152**
AGL Green Energy	Cleangreen	**15,785**	**90**
	Green Energy	**2,811**	**8,621**
	Green Living	**15,156**	**N/A**
	Green Spirit	**3,686**	**N/A**
Alinta	Alinta GreenPower	**N/A**	**2**
ARK Climate	ARK Climate	**1**	**13**
Aurora Energy	AuroraGreen	**N/A**	**3**
Australian Power & Gas	Greentricity	**822**	**N/A**
Click Energy	ClickNatural	**5**	**N/A**
Climate Friendly	Climate Neutral Power	**326**	**103**
Country Energy	countrygreen	**34,660**	**3,524**
COZero	GreenEnergy	**4**	**3**
Domayne	Domayne GreenPower	**1,572**	**N/A**
EnergyAustralia	PureEnergy	**65,924**	**2,374**

Provider	Product	Residential Customers	Commercial Customers
Ergon Energy Queensland	Clean Energy	**51,072**	**2,743**
Global Green Plan	GreenSwitch	**0**	**0**
Integral Energy	Business Green	**N/A**	**136**
	Hampton Wind Park	**98**	**N/A**
	*IN*green / Wyuna Water	**26,810**	**98**
Jackgreen	Jackgreen Power	**47,742**	**4**
Momentum Energy	Momentum Energy Green	**125**	**3**
Origin Energy	Earth'schoice	**39,394**	**115**
	EcoPower	**78**	**5**
	EcoSaver	**2,507**	**N/A**
	GreenEarth	**193,285**	**6,654**
Simply Energy	GreenSaver	**93,717**	**853**
	Green@work	**N/A**	**4**
South Australia Electricity	GreenEnergy	**205**	**0**
Synergy	EasyGreen	**945**	**N/A**
	NaturalPower	**6,112**	**956**
TRUenergy	TRUenergy Green	**89,591**	**3,129**
Victoria Electricity	Victoria Electricity Green Energy	**8,599**	**30**
Viridor	Deep Green Renewable	**N/A**	**2**
TOTAL		**711,263**	**29,617**

Figure 2.1 Breakdown of Total GreenPower Customer Participation by State and Territory as at 31 December 2007

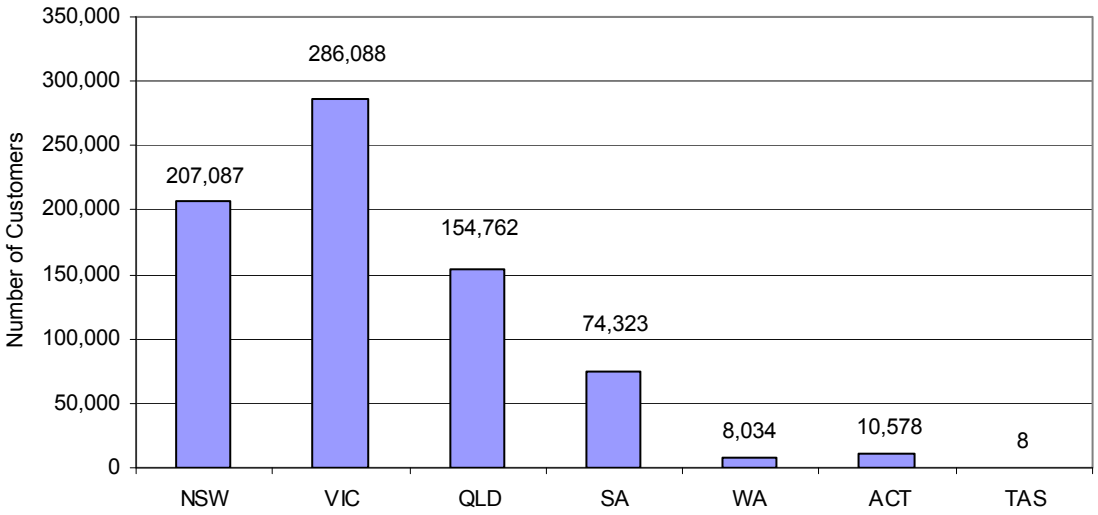


Figure 2.2 Breakdown of GreenPower Residential Participation by State and Territory as at 31 December 2007

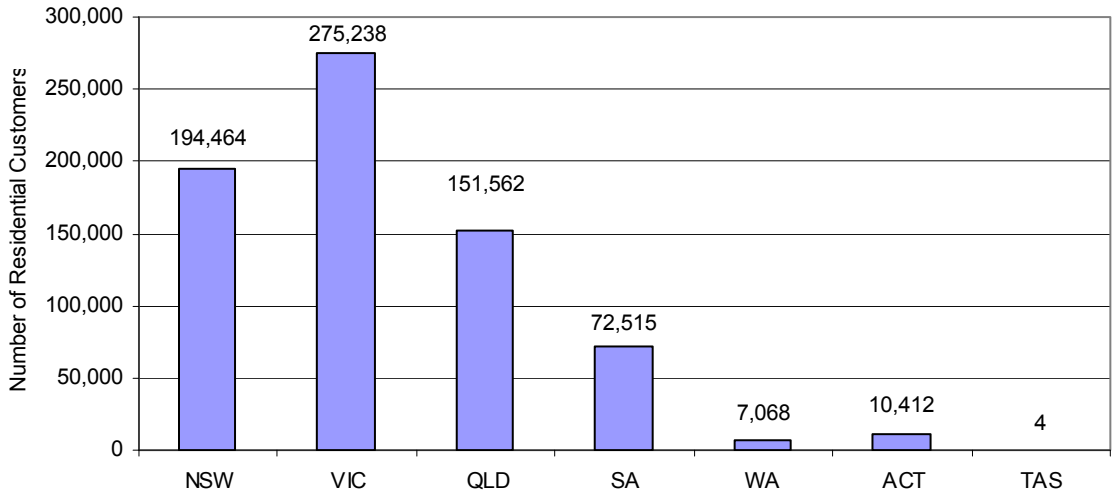


Figure 2.3 Breakdown of GreenPower Commercial Participation by State and Territory as at 31 December 2007

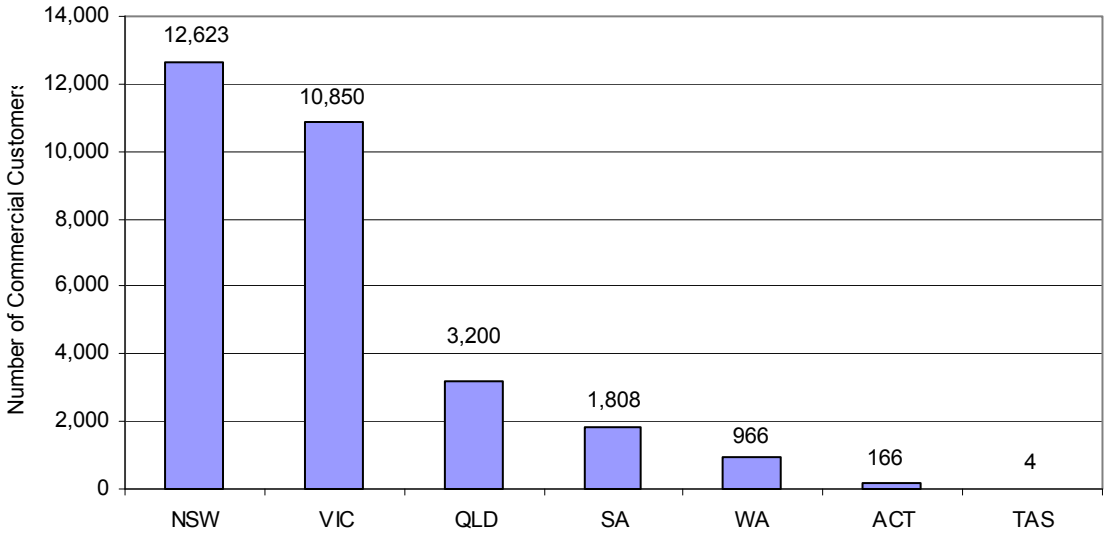
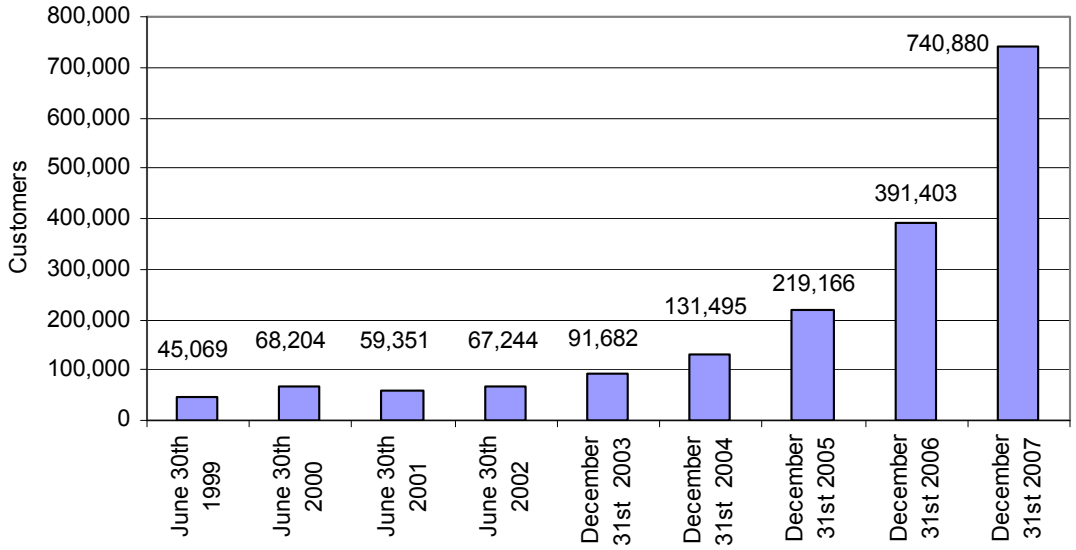


Figure 2.4 Trend in Total GreenPower Customer Participation



2.6 GreenPower Purchases and Sales

Total reported GreenPower purchases by GreenPower providers (excluding GreenPower on-sold) decreased by 18.0 per cent since the previous settlement period from 3,889,200 MWh in 2006 to 3,190,128 MWh for the 2007 settlement period. On-sold sales in the 2007 settlement period were 1,993,269 MWh which compares to 771,886 MWh in the 2006 settlement period.

Total GreenPower sales during the 2007 settlement period were 1,202,079 MWh.

A breakdown of total GreenPower sales (combined residential and commercial) by state and territory for the 2007 settlement period is provided in Figure 2.5. Combined residential and commercial GreenPower sales were greatest in the state of NSW at 380,101 MWh, followed by VIC at 344,938 MWh and QLD at 238,458 MWh.

A breakdown of residential and commercial GreenPower sales by state and territory for the 2007 settlement period is provided in Figure 2.6. Commercial GreenPower sales were greatest in NSW at 231,826 MWh, whilst residential GreenPower sales were greatest in VIC at 210,282 MWh.

Growth in demand for GreenPower increased by 50 per cent since the previous settlement period with total sales of GreenPower increasing from 802,417 MWh in 2006 to 1,202,079 MWh in 2007. 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 4,777,881 MWh.

Figure 2.5 Breakdown of GreenPower Sales by State and Territory for the 2007 Settlement Period

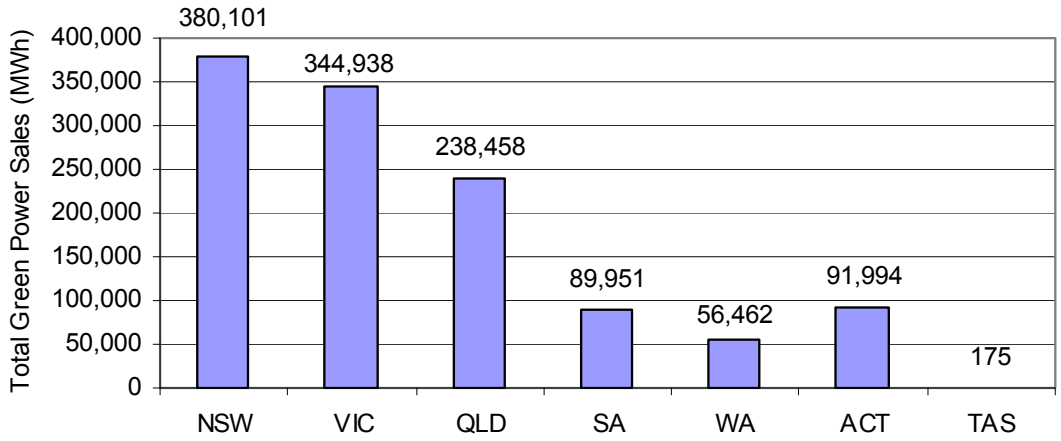


Figure 2.6 Breakdown of Residential and Commercial GreenPower Sales by State and Territory for the 2007 Settlement Period

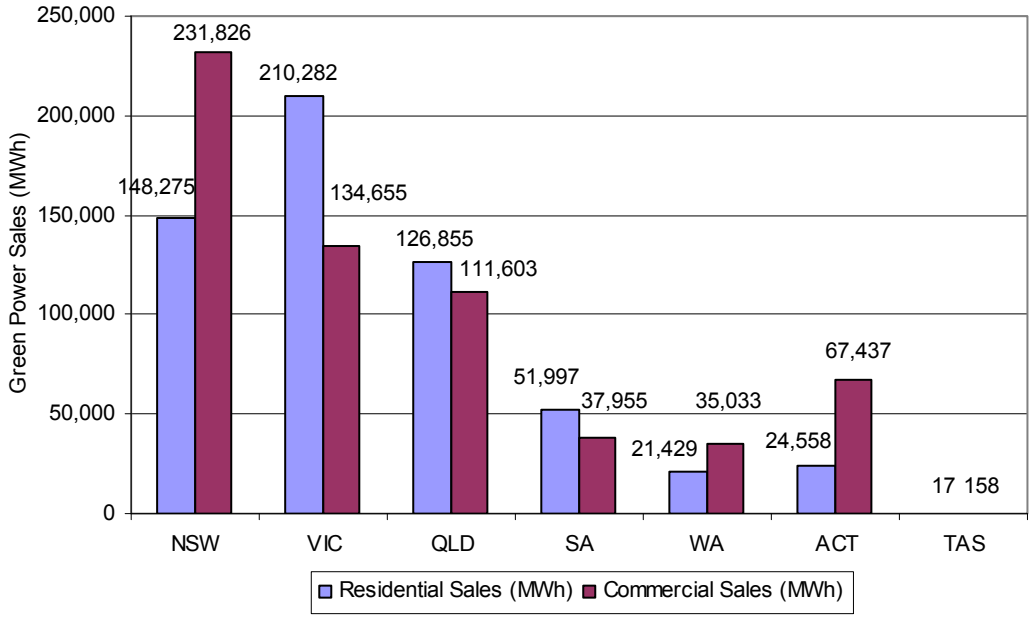
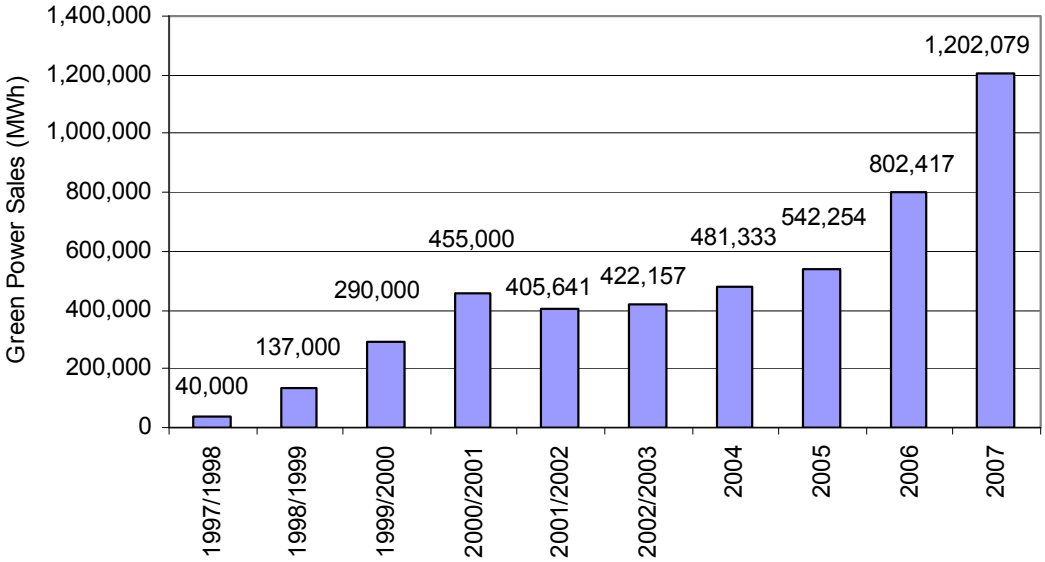


Figure 2.7 Trend in Annual GreenPower Sales



2.6.1 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 logo on all promotional material for the event.

In the 2007 settlement period, 11 GreenPower product providers supplied accredited GreenPower for the running of GreenPower events. During this period, 158 events were powered by 100 per cent GreenPower, accounting for 13,965 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 2.5.

Table 2.4 GreenPower Events, Events Customers and Associated Sales

Provider	GreenPower Events	Events Customers	GreenPower Sales (MWh)
ActewAGL	5	5	51
AGL	8	6	11,577
Alinta	0	0	0
ARK Climate	0	0	0
Aurora Energy	0	0	0
Australian Power & Gas	0	0	0
Click Energy	0	0	0
Climate Friendly	37	31	741
Country Energy	9	9	275
COZero	1	1	3
Domayne	0	0	0
EnergyAustralia	5	5	221
Ergon Energy Queensland	1	1	19

Provider	GreenPower Events	Events Customers	GreenPower Sales (MWh)
Global Green Plan	-	-	-
Integral Energy	8	2	325
Jackgreen	0	0	0
Momentum Energy	0	0	0
Origin Energy	48	44	528
Simply Energy	0	0	0
South Australia Electricity	0	0	0
Synergy	25	15	47
TRUenergy	11	3	178
Victoria Electricity	0	0	0
Viridor	0	0	0
TOTAL	**158**	**122**	**13,965**

2.6.2 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 2006 and 2007 settlement periods.

Figure 2.8 Sales by Energy Type (2006)

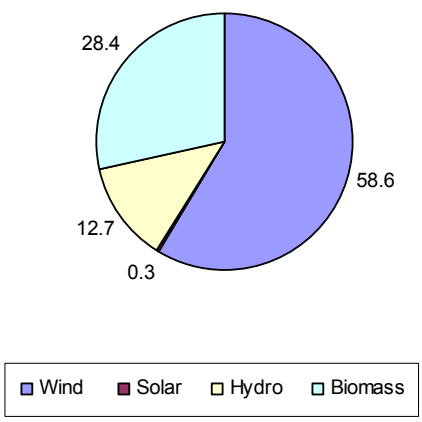
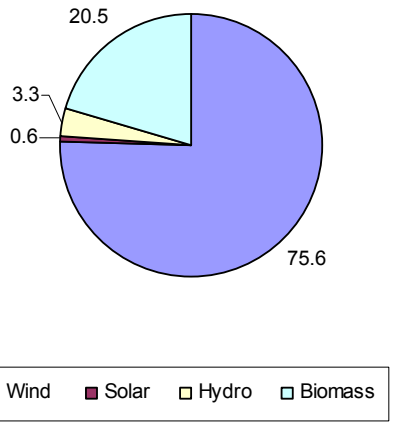


Figure 2.9 Sales by Energy Type (2007)



2.7 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 2007 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 99.3 per cent of the total amount of electricity sold. This represents an increase since the 2006 settlement period from 93.3 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	80	100	✓
AGL	Cleangreen	N/A	100	✓
	Green Energy	100	N/A	✓
	Green Living	N/A	100	✓
	Green Spirit	N/A	100	✓
Alinta	Alinta GreenPower	N/A	100	✓
ARK Climate	ARK Climate	N/A	100	✓
Aurora Energy	AuroraGreen	N/A	100	✓
Australia Power & Gas	Greentricity	N/A	100	✓
Click Energy	ClickNatural	N/A	100	✓
Climate Friendly	Climate Neutral Power	N/A	100	✓
Country Energy	Countrygreen	100	100	✓
COzero	GreenEnergy	N/A	100	✓
Domayne	Domayne GreenPower	N/A	100	✓
EnergyAustralia	PureEnergy	100	100	✓
Ergon Energy Queensland	Clean Energy	100	100	✓
Global Green Plan	GreenSwitch	-	-	-
Integral Energy	Business GreenPower	100	100	✓
	Hampton Wind Park	100	N/A	✓
	*IN*green / Wyuna Water	100	100	✓
Jackgreen	Jackgreen Power	N/A	100	✓
Momentum Energy	Momentum Energy Green	100	100	✓
Origin Energy	Earth'schoice	N/A	100	✓
	EcoPower	N/A	100	✓
	EcoSaver	N/A	100	✓
	GreenEarth	N/A	100	✓
Simply Energy	GreenSaver	80	100	✓
	Green@work	100	100	✓
South Australia Electricity	GreenEnergy	N/A	100	✓
Synergy	EasyGreen	N/A	100	✓
	NaturalPower	100	100	✓
TRUenergy	TRUenergy Green	100	100	✓
Victoria Electricity	Victoria Electricity Green Energy	N/A	100	✓
Viridor	Deep Green Renewable	N/A	100	✓

2.7.1 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 surrender 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.

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

RECs surrenderred during the 2007 settlement period are detailed in Table 2.6 below. A total of 1,153,547 RECs were surrenderred into the GreenPower Designated Accounts.

Table 2.6 RECs Surrenderred by Generation Source

Generator Name	Generation Source	Number RECs Surrenderred
Albany Wind Farm	Wind	39,406
Alinta Wind Farm	Wind	114,148
Atlas Renewable Energy Facility	Biomass	8,240
Banimboola Power Station	Hydro	900
Browns Plains Landfill	Biomass	9,571
Canunda Wind Farm	Wind	16,551
Cathedral Rocks Wind Farm	Wind	3,070
Challicum Hill Wind Farm	Wind	151,281
Codrington Wind Farm	Wind	47,653
Denham Wind Farm	Wind	1,784
Eastern Creek Landfill	Biomass	8,182
Emu Downs Wind Farm	Wind	88,543
Glenorchy Landfill	Biomass	2,541
Grange Ave Landfill	Biomass	2,210
Hallam Road Renewable Energy Facility	Biomass	1,409
Hampton Park Wind Farm	Wind	2,282
Homebush Business Park Solar	Solar	13
Invicta Sugar Mill	Biomass	44,979
Isis Sugar Mill	Biomass	1,048
Jacks Gully WMC	Biomass	4,796
Kalamunda Landfill	Biomass	1,897
Kooragang Wind Turbine	Wind	672
Lake Bonney Stage One Wind Farm	Wind	59,092
Lake Bonney Stage Two Wind Farm	Wind	2,120
Lucas Heights 1 WMC	Biomass	5,170
Lucas Heights 2 WMC	Bimoass	21,771
Malabar Sewage Treatment Plant	Biomass	3,367
Mornington Landfill	Biomass	859
Mt Millar Wind Farm	Biomass	30,816
Origin Bulk PV	Solar	6,660
Pedlars Creek Landfill	Biomass	4,052
Pioneer Sugar Mill	Biomass	3,574
Proserpine Sugar Mill	Biomass	270
Red Hill Landfill	Biomass	2,266
Remount Renewable Energy Facility	Biomass	1,484
Rocky Point Sugar Mill	Biomass	598

Generator Name	Generation Source	Number RECs Surrenderred
Singleton Solar Farm (Stage 1)	Solar	350
Singleton Solar Farm (Stage 2)	Solar	414
South Cardup Renewable energy Faciltiy	Biomass	25,501
Starfish Hill Wind Farm	Wind	33,296
Sydney Superdome Solar System	Solar	124
Toora Wind Farm	Wind	41,897
Tully Sugar Mill	Biomass	8,069
Tweed Renewable Energy Facility	Biomass	3,045
Wattle Point Wind Farm	Wind	48,703
Werribee Sewage Farm	Biomass	43,838
West Nowra Landfill	Biomass	642
Wingfield I Landfill	Biomass	12,803
Wingfield II Landfill	Biomass	11,502
Wollert Renewable Energy Facility	Biomass	4,002
Wonthaggi Wind Farm	Wind	27,655
Woolnorth Bluff Point Wind Farm	Wind	195,662
Woolnorth Studland Bay Wind Farm	Wind	1,769
Wyndham Landfill	Biomass	1,000
TOTAL		**1,153,547**

2.7.2 Concessions

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

A total of 9,649 RECs were marked as concessions during 2007.

2.8 New GreenPower Generators

New GreenPower generators installed between 1 January 1997 and 31 December 2007 and used in GreenPower Products in 2007 are detailed in Table 2.7.

Table 2.7 New GreenPower Generators

Generator Name	Generator Location	Type[1]	GreenPower Provider
Albany Wind Farm	Albany, WA	W	Simply Energy, Synergy
Alinta Wind Farm	Geraldton, WA	W	Alinta, ARK Climate, Climate Friendly, COzero, EnergyAustralia, Simply Energy
Atlas Renewable Energy Facility	Noranda, WA	B	Origin Energy
Banimboola Power Station	Dartmouth Dam – Mitta Mitta R, VIC	H	AGL, Energy Australia
Blayney Wind Farm	Blayney, NSW	W	Country Energy
Bremer Bay Wind Turbine	Bremer Bay, WA	W	Simply Energy
Broadwater Sugar Mill	Broadwater, NSW	B	Country Energy
Browns Plains Landfill	Browns Plains, QLD	B	Origin Energy
Camellia Biogas Power Station	Parramatta, NSW	B	Country Energy
Canunda Wind Farm	Poonada Road, Tantanoola, SA	W	AGL, ARK Climate, Climate Friendly, Integral Energy,

Generator Name	Generator Location	Type[1]	GreenPower Provider
			Simply Energy
Cathedral Rocks Wind Farm	Fishery Bay, Port Lincoln, SA	W	Integral Energy, TRUenergy
Challicum Hills Wind Farm	Buangor, Ararat, VIC	W	Integral Energy, Origin Energy
Chichester Dam	Chichester, NSW	H	Country Energy
Codrington Wind Farm	Codrington, VIC	W	Origin Energy
Condong Sugar Mill	Condong, NSW	B	Country Energy
Coral Bay Wind Farm	Coral Bay, WA	W	Simply Energy
Crookwell Wind Farm	Crookwell, NSW	W	Country Energy
Darwin Renewable Energy Facility	Darwin, NT	B	ARK Climate, Climate Friendly
Denham Wind Turbine	Denham, WA	W	Simply Energy
Dungog WFP	Dungog, NSW	H	Country Energy
Emu Downs Wind Farm	Emu Downs, WA	W	Origin Energy
Esperance 9 Mile Beach Wind Farm	Esperance, WA	W	Simply Energy
Foreshore Park Solar System	Newcastle, NSW	S	EnergyAustralia
Glenorchy Landfill	Glenorchy, TAS	B	AGL
Hampton Wind Park	Hampton, NSW	W	Integral Energy
Hobart Landfill	McRobies Gully Landfill, TAS	B	AGL
Hopetoun Wind Turbine	Hopetoun, WA	W	Climate Friendly, Simply Energy
Homebush Business Park Solar (John Cox Centre)	Homebush, NSW	S	EnergyAustralia
Kelvin Road Landfill	Gosnells, WA	B	AGL, Alinta, Climate Friendly
Kooragang Wind Turbine	Newcastle, NSW	W	EnergyAustralia
Lake Bonney Stage One Wind Farm	Millicent, SA	W	Jackgreen, Country Energy
Lake Bonney Stage Two Wind Farm	Millicent, SA	W	COzero
Lucas Heights 1 WMC Expansion	Lucas Heights, NSW	B	EnergyAustralia
Lucas Heights 2 WMC	Lucas Heights, NSW	B	Country Energy, Energy Australia
Malabar Sewage Treatment Plant	Malabar, NSW	B	Origin Energy
Millar Road Landfill	Rockingham, WA	B	ActewAGL, AGL
Molendinar Landfill	Molendinar, QLD	B	EnergyAustralia
Mornington Landfill	Mornington, QLD	B	EnergyAustralia
Mt Millar Wind Farm	Eyre Peninsula, SA	W	EnergyAustralia, Integral Energy, Origin Energy
Nieterana Mini Hydro	Derwent River, TAS	H	Origin Energy
Origin Bulk PV	Various, SA & VIC	S	Origin Energy
Parangana Mini Hydro	Mersey Valley, TAS	H	Origin Energy
Pindari HEPS	Ashford – Severn R, NSW	H	AGL
Plane Creek Sugar Mill & Distillery Upgrade	Sarina, QLD	B	Ergon Energy
Proserpine Sugar Mill Network Expansion	Proserpine, QLD	B	Ergon Energy
Queanbeyan Solar Farm	Queanbeyan, NSW	S	Country Energy
Queen Victoria Markets PV Installation	Melbourne, VIC	S	Origin Energy
Rochedale Renewable Energy Facility	Rochedale, QLD	B	Country Energy
Rocky Point Sugar Mill Upgrade	Woongoobla, QLD	B	AGL, Jackgreen
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	Origin Energy
South Johnstone Sugar Mill Upgrade	Gordonvale, QLD	B	Ergon Energy
Stapylton Landfill	Stapylton, QLD	B	EnergyAustralia
Starfish Hill Wind Farm	Cape Jervis, SA	W	ActewAGL, AGL, Domayne,

Generator Name	Generator Location	Type[1]	GreenPower Provider
			Integral Energy, Viridor
Suncoast Gold Macadamias Generation Plant	Gympie, QLD	B	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, Adelaide, SA	H	Origin Energy
Toora Wind Farm	Toora, VIC	W	EnergyAustralia, Origin Energy
Trevallyn Hydro Upgrade	Trevallyn, TAS	H	Australian Power & Gas
Tully Sugar Mill Upgrade	Tully, QLD	B	Ergon Energy
Tweed Renewable Energy Facility	Stotts Creek Landfill, Tweed Shire, NSW	B	Origin Energy
Wattle Point Wind Farm	Yorke Peninsula, SA	W	AGL, Integral Energy, TRUenergy
Werribee Sewerage Farm	Werribee, VIC	B	ActewAGL, AGL
Western Plains Zoo Solar Farm	Dubbo, NSW	S	Country Energy
West Nowra (Shoalhaven) Landfill	Nowra, NSW	B	AGL
Whitwood Road Renewable Energy Facility	Ipswich, QLD	B	Country Energy
Wilpena Power Station	Wilpena Pound, SA	S	AGL
Windy Hill Wind Farm Stage 1	Ravenshoe, QLD	W	Ergon Energy
Wivenhoe Mini Hydro	Ipswich – Brisbane R, QLD	H	EnergyAustralia
Wollert Renewable Energy Facility	Wollert Landfill, VIC	B	South Australia Electricity, Victoria Electricity
Wonthaggi Wind Farm	Wonthaggi, VIC	W	Country Energy
Woolnorth Bluff Point Wind Farm Stage 1	Woolnorth, TAS	W	Jackgreen, Click Energy, EnergyAustralia
Woolnorth Bluff Point Wind Farm Stage 2	Woolnorth, TAS	W	EnergyAustralia, Momentum Energy
Woolnorth Studland Bay Wind Farm	Woolnorth, TAS	W	Aurora Energy, EnergyAustralia, Integral Energy
Wyangala B	Cowra – Lachlan R, NSW	H	Country Energy
Wyndham Landfill	Wyndham, QLD	B	EnergyAustralia

E = “Existing” GreenPower Generator, N = “New” GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

2.9 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 3.4, January 2007 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 GreenPower Logo Usage Guidelines 2006/2007 (available on request);

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 2.8 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 2.8 GreenPower Product Marketing Review

Provider	Use and Compliance of GP Logo	Accreditation Reference	Treatment of Blends	Absence of Misleading Conduct	Compliance Rating
ActewAGL	*****	*****	*****	*****	*****
AGL	*****	*****	*****	*****	*****
Alinta	*****	*****	*****	*****	*****
ARK Climate	*****	*****	*****	*****	*****
Aurora Energy	*****	*****	*****	*****	*****
Australian Power & Gas	*****	*****	*****	*****	*****
Click Energy	*****	*****	*****	*****	*****
Climate Friendly	*****	*****	*****	*****	*****
Country Energy	*****	*****	*****	*****	*****
COZero	*****	*****	*****	*****	*****
Domayne	*****	*****	*****	*****	*****
EnergyAustralia	*****	*****	*****	*****	*****
Ergon Energy	*****	*****	*****	*****	*****
Global Green Plan	-	-	-	-	-
Integral Energy	*****	*****	*****	*****	*****
Jackgreen	*****	*****	*****	*****	*****
Momentum Energy	*****	*****	*****	*****	*****
Origin Energy	*****	*****	*****	*****	*****
Simply Energy	*****	*****	*****	*****	*****
South Australia Electricity	*****	*****	*****	*****	*****
Synergy	*****	*****	*****	*****	*****
TRUenergy	*****	*****	*****	*****	*****
Victoria Electricity	*****	*****	*****	*****	*****
Viridor	*****	*****	*****	*****	*****

Section 3 | Audit Process and Criteria

3.1 Audit Process

This is the tenth 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 2007 audit process consisted of an assessment of each GreenPower product for technical compliance with the National GreenPower Accreditation Document Version 3.4, January 2007. 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 3.4, January 2007 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.
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 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.

Technical Accreditation Criteria		Description
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 3.4* 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 2007, this settlement period is the 12-month period from 1 January 2007 to 31 December 2007. 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 3.4*
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 <u>within 12 weeks</u> 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 3.4.*
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.

Technical Accreditation Criteria		Description
4.2	Marketing 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 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 3.4.*
4.4	Use of GreenPower Logo	A common logo has been developed for use across Australia by GreenPower providers, customers and new GreenPower generators. GreenPower 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. Generator owners are entitled to use the GreenPower logo where more than half of the output of the generator is classified as new GreenPower generation. The GreenPower logo is available for use where an event will be powered by 100 per cent GreenPower accredited energy. The GreenPower 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 purchasing GreenPower.
4.5	GreenPower Provider Disclosure Label	The purpose of the GreenPower Product Disclosure label is to establish a mechanism to differentiate GreenPower products and communicate how environmentally friendly each option actually is. It provides full disclosure of the contents of GreenPower accredited products through the inclusion of descrete percentages of all product contents. This more detailed design will present consumers with a greater amount of information. The use of the GreenPower Product Disclosure Label is now compulsory for all marketing and collateral of GreenPower accredited products. Additional details on the product disclosure label is available in the *GreenPower Logo Usage Guidelines 2006/2007*.
4.6	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.
4.7	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 3.4.*

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

Section 4 | ActewAGL - GreenChoice

URS' independent audit of ActewAGL confirms that its GreenPower product, GreenChoice, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 4.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
GreenChoice 5	R	28 % Accredited	Block of 5 kWh/day	Australia wide
GreenChoice 10	R	56 % Accredited	Block of 10 kWh/day	Australia wide
GreenChoice 15	R	85 % Accredited	Block of 15 kWh/day	Australia wide
GreenChoice 20	R	113 % Accredited	Block of 20 kWh/day	Australia wide
GreenChoice 10 Business	C	Sold in Blocks	Blocks of 10 kWh	Australia wide
GreenChoice 10 %	R	10 % Accredited	Consumption	ACT & Capital region
GreenChoice 25 %	R	25 % Accredited	Consumption	ACT & Capital region
GreenChoice 50 %	R	50 % Accredited	Consumption	ACT & Capital region
GreenChoice 100 %	R	100 % Accredited	Consumption	ACT & Capital region
GreenChoice 200 %	R	200 % Accredited	Consumption	ACT & Capital region
GreenChoice Event	C	100 % event plan	Consumption	ACT & Capital region

*R – Residential, C – Commercial

Table 4.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	10,231 (7,450)	152 (81)	10,383 (7,531)
GreenPower Sales 2007 (GreenPower Sales 2006)	24,823 MWh (17,285 MWh)	41,909 MWh (2,880 MWh)	66,732 MWh (20,165MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			66,732 MWh (20,165 MWh)
GreenPower Events	5 events	5 customers	51 MWh

Table 4.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	9,085	9,187	9,915	10,231	NA
Commercial	100	100	142	152	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	2,419	2,419
New GreenPower	0	0	0	64,313	64,313
Total	**0**	**0**	**0**	**66,732**	**66,732**
Sales (MWh)					
Existing GreenPower	377	981	533	528	2,419
New GreenPower	8,161	10,810	22,537	22,805	64,313
Total	**8,539**	**11,791**	**23,070**	**23,333**	**66,732**

Table 4.4 GreenPower Generators

Name of Generator	E/N[1]	Type[2]	Location	GreenPower Approved
Millar Road Landfill	N	B	Rockingham, WA	✓
Starfish Hill Wind Farm	N	W	Cape Jervis, SA	✓
Werribee Sewage Farm	N	B	Werribee, VIC	✓
Wingfield II Landfill Power Station	E	B	Wingfield, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 4.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	44,803	0	0	21,929	**66,732**
Total GreenPower Sales	44,803	0	0	21,929	**66,732**
Percentage of GreenPower Sales	**67%**	**0**	**0**	**33%**	**100%**

Section 5 | AGL - Cleangreen

URS' independent audit of AGL confirms that its GreenPower product, Cleangreen, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 5.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Cleangreen	R	20 % Accredited	Block of 330 kWh/qtr	QLD
Cleangreen	C	2.5 % to 100 % Accredited	Consumption	QLD

*R – Residential, C – Commercial

Table 5.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	15,785 (13,986)	90 (52)	15,875 (14,038)
GreenPower Sales 2007 (GreenPower Sales 2006)	25,013 (2,739 MWh)	30,208 (6,018 MWh)	55,221 (8,756 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			1,125,775 MWh (8,756 MWh)

Table 5.3 Product Summary 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	14,454	15,429	16,713	15,785	NA
Commercial	71	82	88	90	NA
Purchases (MWh)					
Existing GreenPower	52,950	52,480	55,104	457,772	**618,306**
New GreenPower	79,611	99,008	121,813	207,037	**507,469**
Total	**132,561**	**151,488**	**176,917**	**664,809**	**1,125,775**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	12,404	17,704	12,280	12,833	**55,221**
Total	**12,404**	**17,704**	**12,280**	**12,833**	**55,221**

Table 5.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Babinda Sugar Mill	E	B	Babinda, QLD	✓
Banimboola Power Station	N	H	Dartmouth Dam, VIC	✓
Barron Gorge	E	H	Cairns - Barron R, QLD	✓
Bingera Sugar Mill	E	B	Bingera, QLD	✓
Broadmeadows Landfill	E	B	Melbourne, VIC	✓
Cairn Curran Power Station	E	H	Newstead, VIC	✓
Canning Vale Landfill	E	B	Canning Vale, WA	✓
Canunda Wind Farm	N	W	Tantanoola, SA	✓
Clayton Landfill	E	B	Clayton, VIC	✓

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Dartmouth Power Station	E	H	Dartmouth - Mitta Mitta R, VIC	✓
Eildon Power Station	E	H	Eildon - Goulburn R, VIC	✓
Farleigh Sugar Mill	E	B	Fairleigh, QLD	✓
Glenbawn Dam	E	H	Scone, NSW	✓
Highbury Landfill	E	B	Highbury, SA	✓
Inkerman Sugar Mill	E	B	Home Hill, QLD	✓
Invicta Sugar Mill	E	B	Giru, QLD	✓
Isis Sugar Mill	E	B	Childers, QLD	✓
Kalamia Sugar Mill	E	B	Kalamia, QLD	✓
Kalamunda Landfill	E	B	Kalamunda, WA	✓
Kareeya	E	H	Cairns, QLD	✓
Kelvin Road Landfill	N	B	Gosnells, WA	✓
Macknade Sugar Mill	E	B	Ingham, QLD	✓
Marian Sugar Mill	E	B	Marian, QLD	✓
Maryborough Sugar Mill	E	B	Maryborough, QLD	✓
Millaquin Sugar Mill & Refinery	E	B	Bundaburg, QLD	✓
Millar Road Landfill	N	B	Rockingham, WA	✓
Mossman Sugar Mill	E	B	Mossman, QLD	✓
Pedlars Creek Landfill	E	B	Noarlunga, SA	✓
Pindari HEPS	N	H	Ashford – Severn, NSW	✓
Pioneer Sugar Mill	E	B	Ayr, QLD	✓
Pleystowe Sugar Mill	E	B	Pleystowe, QLD	✓
Proserpine Sugar Mill	E	B	Proserpine, QLD	✓
Racecourse Sugar Mill & Refinery	E	B	Mackay, QLD	✓
Rocky Point Sugar Mill Upgrade	N	B	Woongoolba, QLD	✓
Rubicon Power Station	E	H	Eildon - Rubicon R, VIC	✓
Springvale Landfill Units 1-7	E	B	Springvale, VIC	✓
Starfish Hill Wind Farm	N	W	Cape Jervis, SA	✓
Suncoast Gold Macadamias Generation Plant	N	B	Gympie, QLD	✓
Tea Tree Gully Landfill	E	B	St Agnes, SA	✓
Victoria Sugar Mill	E	B	Ingham, VIC	✓
Wattle Point Wind Farm	N	W	Yorke Peninsula, SA	✓
Werribee Sewage Farm	N	B	Werribee, VIC	✓
Wingfield I Landfill Power Station	E	B	Wingfield, SA	✓
Wingfield II Landfill Power Station	E	B	Wingfield, SA	✓

E = “Existing” GreenPower Generator, N = “New” GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 5.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	387,824	0	159,423	578,527	**1,125,774**
Total GreenPower Sales	26,217	0	0	29,004	**55,221**
Percentage of GreenPower Sales	**47%**	**0**	**0**	**53%**	**100%**

Section 6 | AGL - Green Energy

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 6.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Green Energy	R	100 % Accredited	Consumption	NSW, SA, VIC
Green Energy Business	C	Customer chooses 1 % - 100 %	Consumption	NSW, SA, VIC, QLD & ACT

*R – Residential, C – Commercial

Table 6.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	2,811 (2,819)	8,621 (7,872)	11,432 (10,691)
GreenPower Sales 2007 (GreenPower Sales 2006)	5,665 MWh (4,618 MWh)	58,262 MWh (36,996 MWh)	63,927 MWh (41,613MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			63,927 MWh (1,274,737 MWh)
GreenPower Events	8 events	6 customers	11,577 MWh

Table 6.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	3,055	1,735	1,333	2,811	NA
Commercial	8,701	8,827	8,725	8,621	NA
Purchases (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	41,124	6,810	7,698	8,295	**63,927**
Total	**41,124**	**6,810**	**7,698**	**8,295**	**63,927**
Sales (MWh)					
Existing GreenPower	0	0	0	0	**0**
New GreenPower	41,124	6,810	7,698	8,295	**63,927**
Total	**41,124**	**6,810**	**7,698**	**8,295**	**63,927**

Table 6.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Glenorchy Landfill	N	B	Glenorchy, TAS	✓
Hobart Landfill	N	B	Hobart, TAS	✓
Kelvin Road Landfill	N	B	Gosnells, WA	✓
Wattle Point Wind Farm	N	W	Wattle Point, SA	✓
West Nowra Landfill	N	B	West Nowra, NSW	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 6.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	34,845	0	0	29,082	**63,927**
Total GreenPower Sales	34,845	0	0	29,082	**63,927**
Percentage of GreenPower Sales	**55%**	**0**	**0**	**45%**	**100%**

Section 7 | AGL – Green Living

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 7.1 Product Description 2007

Table 7.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Green Living	R	20 % Accredited	Consumption	NSW, SA, VIC

*R – Residential, C – Commercial

Table 7.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	15,156 (20,985)	N/A	15,156 (20,985)
GreenPower Sales 2007 (GreenPower Sales 2006)	8,628 MWh (6,027 MWh)	N/A	8,628 MWh (6,027 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			20,390 MWh (6,027 MWh)

Table 7.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	19,265	17,714	16,331	15,156	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	2,487	0	0	0	**2,487**
New GreenPower	8,658	26	31	9,188	**17,903**
Total	**11,145**	**26**	**31**	**9,188**	**20,390**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	1,292	2,486	2,858	1,992	**8,628**
Total	**1,292**	**2,486**	**2,858**	**1,992**	**8,628**

Table 7.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Banimboola Power Station	N	H	Dartmouth Dam – Mitta Mitta River, VIC	✓
Burrendong Dam	E	H	Wellington – Macquarie River, NSW	✓
Werribee Sewage Farm	N	B	Werribee, VIC	✓
Wilpena Power Station	N	S	Wilpena Pound, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 7.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	121	11,115	9,154	**20,390**
Total GreenPower Sales	0	0	0	8,628	**8,628**
Percentage of GreenPower Sales	**0**	**0**	**0**	**100%**	**100%**

Section 8 | AGL – Green Spirit

URS' independent audit of AGL confirms that its GreenPower product, Green Spirit, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 8.1 Product Summary 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Green Spirit	R	10 % Accredited	Consumption	NSW, SA, VIC

*R – Residential, C – Commercial

Table 8.2 Product Description by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	3,686 (NA)	N/A	3,686 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	1,397 MWh (NA)	N/A	1,397 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			15,764 MWh (NA)

Table 8.3 Product Summary by Quarter 2007

Table 8.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	988	4,391	4,101	3,686	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	9,716	1,228	6	4,814	**15,764**
Total	**9,716**	**1,228**	**6**	**4,814**	**15,764**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	8	195	711	483	**1,397**
Total	**8**	**195**	**711**	**483**	**1,397**

Table 8.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Banimboola Power Station	N	H	Dartmouth Dam – Mitta Mitta River, VIC	✓
Werribee Sewage Farm	N	B	Werribee, VIC	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 8.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	14,367	1,397	**15,764**
Total GreenPower Sales	0	0	0	1,397	**1,397**
Percentage of GreenPower Sales	**0**	**0**	**0**	**100%**	**100%**

Section 9 | Alinta GreenPower

URS' independent audit of Alinta confirms that its GreenPower product, Alinta GreenPower, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact AGL: On (08) 6213 7427 or visit: www.alinta.net.au

Table 9.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
GreenPower EcoPlus	C	Customer chooses % - offered to business customers with annual electricity consumption of more than 50,000 kWh	Consumption	WA

*R – Residential, C – Commercial

Table 9.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	NA	2 (NA)	2 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	NA	13,039 MWh (NA)	13,039 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			16,000 MWh (NA)

Table 9.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	0	1	2	2	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	16,000	**16,000**
Total	**0**	**0**	**0**	**16,000**	**16,000**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	13,039	**13,039**
Total	**0**	**0**	**0**	**13,039**	**13,039**

Table 9.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Alinta Wind Farm	N	W	Geraldton, WA	✓
Kelvin Road Landfill	N	B	Gosnells, WA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 9.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	13,000	0	0	3,000	**16,000**
Total GreenPower Sales	13,000	00	0	39	**13,039**
Percentage of GreenPower Sales	**99.7%**	**0**	**0**	**0.3%**	**100%**

Section 10 | ARK Climate

It is noted that there was a purchase shortfall of 343 MWh in this settlement period. As per the GreenPower Accreditation criteria, a shortfall of up to 5 per cent is allowed which must be accounted for in the following settlement period.

URS' independent audit of ARK Climate confirms that its GreenPower product, ARK Climate, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact ARK Climate: On (03) 9682 4200 or visit: https://arkclimate.com.au/

Table 10.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
ARK Climate	R & C	Offered to customers via a web interface	Block (minimum 647 KWh/yr residential)	Australia wide

*R – Residential, C – Commercial

Table 10.2 Product Summary 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	1 (NA)	13 (NA)	14 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	5 MWh (NA)	12,338 MWh (NA)	12,343 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			12,000 MWh (NA)

Table 10.3 Product Summary 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	0	0	0	1	NA
Commercial	0	4	8	13	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	12,000	**12,000**
Total	**0**	**0**	**0**	**12,000**	**12,000**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	3,549	3,764	5,030	**12,343**
Total	NA	3,549	3,764	5,030	**12,343**

Table 10.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Alinta Wind Farm	N	W	Geraldton, WA	✓
Canunda Wind Farm	N	W	Tantanoola, SA	✓
Darwin Renewable Energy Facility	N	B	Shoal Bay, NT	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 10.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	10,000	0	0	2,000	**12,000**
Total GreenPower Sales	10,343	0	0	2,000	**12,343**
Percentage of GreenPower Sales	**84%**	**0**	**0**	**16%**	**100%**

Section 11 | Aurora Energy - AuroraGreen

URS' independent audit of Aurora Energy confirms that its GreenPower product, AuroraGreen, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Aurora Energy: On 1300 132 007 or visit: www.aurora.com.au

Table 11.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
AuroraGreen	C	Customer chooses GreenPower contribution 1 % - 100 %	Consumption	NSW, ACT, QLD, VIC, SA & TAS

*R – Residential, C – Commercial

Table 11.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	NA	3 (NA)	3 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	NA	1,808 MWh (NA)	1,808 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			124,796 MWh (NA)

Table 11.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	0	0	0	3	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	12,198	29,434	37,768	45,396	**124,796**
Total	**12,198**	**29,434**	**37,768**	**45,396**	**124,796**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	1,808	**1,808**
Total	**0**	**0**	**0**	**1,808**	**1,808**

Table 11.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Woolnorth Studland Bay Wind Farm	N	W	Woolnorth, TAS	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 11.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	124,796	0	0	0	**124,796**
Total GreenPower Sales	1,808	0	0	0	**1,808**
Percentage of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 12 | Australian Power & Gas - Greentricity

URS' independent audit of Australian Power & Gas confirms that its GreenPower product, Greentricity, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Australian Power & Gas: On 13 32 98 or visit: www.australianpowerandgas.com.au

Table 12.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Greentricity 10	R	10 % Accredited	Consumption	NSW, VIC, QLD
Greentricity 50	R	50 % Accredited	Consumption	NSW, VIC, QLD
Greentricity 100	R	100 % Accredited	Consumption	NSW, VIC, QLD

*R – Residential, C – Commercial

Table 12.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	822 (NA)	NA	822 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	266 MWh (NA)	NA	266 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			2,300 MWh (NA)

Table 12.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	2	272	577	822	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	2,300	**2,300**
Total	**0**	**0**	**0**	**2,300**	**2,300**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	3	11	81	170	**266**
Total	**3**	**11**	**81**	**170**	**266**

Table 12.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Trevallyn Hydro Upgrade	N	H	Trevallyn, TAS	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 12.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	2,300	0	**2,300**
Total GreenPower Sales	0	0	266	0	**266**
Percentage of GreenPower Sales	**0**	**0**	**100%**	**0**	**100%**

Section 13 | Click Energy – ClickNatural

URS' independent audit of Click Energy confirms that its GreenPower product, ClickNatural, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Click Energy: On 1800 775 929 or visit: www.clickenergy.com.au

Table 13.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
ClickNatural	R	25 % Accredited	Consumption	VIC

*R – Residential, C – Commercial

Table 13.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	5 (NA)	NA	5 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	10 MWh (NA)	NA	10 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			10 MWh (NA)

Table 13.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	0	4	6	5	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	10	**10**
Total	**0**	**0**	**0**	**10**	**10**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	1	1	2	6	**10**
Total	**1**	**1**	**2**	**6**	**10**

Table 13.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Woolnorth Bluff Point Wind Farm Stage 1	N	W	Woolnorth, TAS	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 13.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	10	0	0	0	**10**
Total GreenPower Sales	10	0		0	**10**
Percentage of GreenPower Sales	**100%**	**0**		**0**	**100%**

Section 14 | Climate Friendly – Climate Neutral Power

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 14.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Climate Neutral – Economy	R & C	10 % Accredited	Block of 647 kWh/yr	Australia wide
Climate Neutral - Green	R & C	25 % Accredited	Block of 1,618.75 kWh/yr	Australia wide
Climate Neutral - Emerald	R & C	100 % Accredited	Block of 6,470 kWh/yr	Australia wide

*R – Residential, C – Commercial

Table 14.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	326 (157)	103 (28)	429 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	1,319 MWh (392 MWh)	14,841 (3,735 MWh)	16,160 MWh (4,128 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			19,139 MWh (4,200 MWh)
GreenPower Events	37 events	31 customers	741 MWh

Table 14.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	109	187	252	326	NA
Commercial	23	51	82	103	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	19,139	**19,139**
Total	**0**	**0**	**0**	**19,139**	**19,139**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	1,047	11,515	2,226	1,372	**16,160**
Total	**1,047**	**11,515**	**2,226**	**1,372**	**16,160**

Table 14.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Alinta Wind Farm	N	W	Geraldton, WA	✓
Canunda Wind Farm	N	W	Tantanoola, WA	✓
Darwin Renewable Energy Facility	N	B	Darwin, NT	✓
Hopetoun Wind Turbine	N	W	Hopetoun, WA	✓
Kelvin Road Landfill	N	B	Gosnells, WA	✓

Table 14.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	8,900	0	0	10,239	**19,139**
Total GreenPower Sales	8,900	0	0	7,260	**16,160**
Proportion of GreenPower Sales	**55%**	**0**	**0**	**45%**	**100%**

Section 15 | Country Energy – countrygreen

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 15.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
everydayGREEN	R	10 % Accredited	Block of 647 kWh/yr	NSW, ACT, VIC, QLD, SA
liteGREEN	R	20 % Accredited	Block of 1,294 kWh/yr	NSW, ACT, VIC, QLD, SA
livingGREEN	R	50 % Accredited	Block of 3,235 kWh/yr	NSW, ACT, VIC, QLD, SA
foreverGREEN	R	100 % Accredited	Block of 6,470 kWh/yr	NSW, ACT, VIC, QLD, SA
businessGREEN	C	10 % Accredited	Consumption	NSW, ACT, VIC, QLD, SA
businessCHOICE	C	20 % Accredited	Consumption	NSW, ACT, VIC, QLD, SA
businessPLUS	C	50 % Accredited	Consumption	NSW, ACT, VIC, QLD, SA
businessADVANTAGE	C	100 % Accredited	Consumption	NSW, ACT, VIC, QLD, SA
countrygreen Business	C	Customer chooses contribution 2.5 % - 100 %	Consumption	NSW, ACT, VIC, QLD, SA

*R – Residential, C – Commercial

Table 15.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	34,660 (1,471)	3,524 (932)	38,184 (2,403)
GreenPower Sales 2007 (GreenPower Sales 2006)	22,796 MWh (3,942 MWh)	60,581 MWh (57,317 MWh)	83,378 MWh (61,259 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			362,200 MWh (371,661 MWh)
GreenPower Events	9 events	9 customers	275 MWh

Table 15.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	21,956	25,204	27,726	34,660	NA
Commercial	2,707	2,864	3,309	3,524	NA
Purchases (MWh)					
Existing GreenPower	8,019	3,641	3,834	8,960	**24,454**
New GreenPower	77,730	74,090	110,551	75,375	**337,746**
Total	**85,749**	**77,731**	**114,385**	**84,335**	**362,200**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	17,365	18,327	23,254	24,431	**83,378**
Total	**17,365**	**18,327**	**23,254**	**24,431**	**83,378**

Table 15.4 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	✓

E = “Existing” GreenPower Generator, N = “New” GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 15.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	252,637	117	26,647	82,799	**362,200**
Total GreenPower Sales	83,378	0	0	0	**83,378**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 16 | COZero – GreenEnergy

URS' independent audit of COZero confirms that its GreenPower product, GreenEnergy, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact COZero: On 1300 BE NEUTRAL, or visit www.cozero.net

Table 16.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
GreenEnergy	R & C	Offered to customers via a web interface	Block (minimum 647 kWh/yr residential)	Australia wide

*R – Residential, C – Commercial

Table 16.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	4 (NA)	3 (NA)	7 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	15 MWh (NA)	1,109 MWh (NA)	1,124 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			5,000 MWh (NA)
GreenPower Events	1 event	1 customer	3 MWh

Table 16.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	4	NA
Commercial	NA	NA	NA	3	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	NA	NA	5,000	**5,000**
Total	**NA**	**NA**	**NA**	**5,000**	**5,000**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	NA	NA	1,124	**1,124**
Total	**NA**	**NA**	**NA**	**1,124**	**1,124**

Table 16.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 16.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	5,000	0	0	0	**5,000**
Total GreenPower Sales	1,124	0	0	0	**1,124**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 17 | Domayne – Domayne GreenPower

URS' independent audit of Domayne confirms that its GreenPower product, Domayne GreenPower, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Domayne: On 1800 DOMAYNE, or visit www.domayne.com.au

Table 17.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Domayne GreenPower	R	Purchased in store with electrical good	Block of 647 kWh/yr	NSW, QLD, ACT

*R – Residential, C – Commercial

Table 17.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	1,572 (NA)	NA	1,572 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	1,321 MWh (NA)	NA	1,321 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			1,321 MWh (NA)

Table 17.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	1,527	0	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	0	0	**0**
New GreenPower	NA	NA	1,321	0	**1,321**
Total	**NA**	**NA**	**1,321**	**0**	**1,321**
Sales (MWh)					
Existing GreenPower	NA	NA	0	0	**0**
New GreenPower	NA	NA	1,321	0	**1,321**
Total	**NA**	**NA**	**1,321**	**0**	**1,321**

Table 17.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Starfish Hill Wind Farm	N	W	Cape Jervis, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 17.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	1,321	0	0	0	**1,321**
Total GreenPower Sales	1,321	0	0	0	**1,321**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 18 | EnergyAustralia – PureEnergy

URS' independent audit of EnergyAustralia confirms that its GreenPower product, PureEnergy, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 18.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
PureEnergy 10	R	10 % Accredited	Consumption	NSW
PureEnergy Premium	R	100 % Accredited	Consumption	NSW
PureEnergy Business	C	Customer chooses contribution 1 % - 100 %	Consumption	NSW, QLD, ACT

*R – Residential, C – Commercial

Table 18.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	65,924 (6,396)	2,374 (1,869)	68,298 (8,265)
GreenPower Sales 2007 (GreenPower Sales 2006)	66,361 MWh (21,821 MWh)	128,538 MWh (115,388 MWh)	194,899 MWh (137,209 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			479,442 MWh (415,352 MWh)
GreenPower Events	5 events	5 customers	220 MWh

Table 18.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	48,755	62,130	64,478	65,924	NA
Commercial	2,109	2,217	2,348	2,374	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	73,922	140,938	90,400	174,182	**479,442**
Total	**73,922**	**140,938**	**90,400**	**174,182**	**479,442**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	39,324	45,200	50,828	59,547	**194,899**
Total	**39,324**	**45,200**	**50,828**	**59,547**	**194,899**

Table 18.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Alinta Wind Farm	N	W	Geraldton, WA	✓
Banimboola Power Station	N	H	Dartmouth Dam – Mitta Mitta River, VIC	✓
Foreshore Park Solar System	N	S	Newcastle, NSW	✓
Homebush Business Park Solar (John Cox Centre)	N	S	Homebush, NSW	✓
Kooragang Wind Turbine	N	W	Newcastle, NSW	✓
Lucas Heights 1 WMC Expansion	N	B	Lucas Heights, NSW	✓
Lucas Heights 2 WMC	N	B	Lucas Heights, NSW	✓
Molendinar Landfill	N	B	Molendinar, QLD	✓
Mornington Landfill	N	B	Mornington, VIC	✓
Mt Millar Wind Farm	N	W	Eyre Peninsula, SA	✓
Singleton Solar Farm (Stage 1)	N	S	Singleton, NSW	✓
Singleton Solar Farm (Stage 2)	N	S	Singleton, NSW	✓
Stapylton Landfill	N	B	Stapylton, QLD	✓
Suntown Landfill	N	B	Suntown, QLD	✓
Sydney Superdome Solar system	N	S	Homebush, NSW	✓
Toora Wind Farm	N	W	Gippsland, VIC	✓
Wivenhoe Mini Hydro	N	H	Ipswich – Brisbane R, QLD	✓
Woolnorth Bluff Point Wind Farm stages 1 & 2	N	W	Woolnorth, TAS	✓
Woolnorth Studland Bay Wind Farm	N	W	Woolnorth, TAS	✓
Wyndham Landfill	N	B	Wyndham, QLD	✓

Table 18.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	334,148	680	28,447	116,167	**479,442**
Total GreenPower Sales	116,580	677	28,447	49,195	**194,899**
Proportion of GreenPower Sales	**60%**	**0.5%**	**14.5%**	**25%**	**100%**

Section 19 | Ergon Energy Queensland – Clean Energy

URS' independent audit of Ergon Energy Queensland confirms that its GreenPower product, Clean Energy, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 19.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Clean Energy	R	10 % Accredited	Block of 333 kWh	QLD – Ergon franchise
Clean Energy Business	C	Customer chooses contribution 2.5% - 100%	Consumption	QLD – Ergon franchise

*R – Residential, C – Commercial

Table 19.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	51,072 (40,444)	2,743 (1,635)	53,815 (42,079)
GreenPower Sales 2007 (GreenPower Sales 2006)	29,357 MWh (12,989 MWh)	12,818 MWh (5,035 MWh)	42,175 MWh (18,024 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			418,675 MWh (18,024 MWh)
GreenPower Events	1 events	1 customers	19 MWh

Table 19.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	45,028	48,166	50,015	51,072	NA
Commercial	1,947	2,316	2,557	2,743	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	270,323	**270,323**
New GreenPower	5,616	1,248	30,049	111,439	**148,352**
Total	**5,616**	**1,248**	**30,049**	**381,762**	**418,675**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	9,530	10,527	10,714	11,404	**42,175**
Total	**9,530**	**10,527**	**10,714**	**11,404**	**42,175**

Table 19.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Babinda Sugar Mill	E	B	Babinda, QLD	✓
Bingera Sugar Mill	E	B	Bingera, QLD	✓
Farleigh Sugar Mill	E	B	Mackay, Fairleigh, QLD	✓
Inkerman Sugar Mill	E	B	Home Hill, QLD	✓
Invicta Sugar Mill	N	B	Giru, QLD	✓
Invicta Sugar Mill	E	B	Giru, QLD	✓
Kalamia Sugar Mill	E	B	Kalamia, QLD	✓
Koombooloomba Hydro	N	H	Cairns, Koombooloomba Dam, QLD	✓
Macknade Sugar Mill	E	B	Ingham, QLD	✓
Marian Sugar Mill	E	B	Marian, QLD	✓
Maryborough Sugar Mill	E	B	Maryborough, QLD	✓
Millaquin Sugar Mill & Refinery	E	B	Bundaberg, QLD	✓
Mossman Sugar Mill	E	B	Mossman, QLD	✓
Pioneer Sugar Mill	E	B	Ayr, QLD	✓
Plane Creek Sugar Mill & Distillery Upgrade	N	B	Sarina, QLD	✓
Pleystowe Sugar Mill	E	B	Pleystow, QLD	✓
Proserpine Sugar Mill	E	B	Proserpine, QLD	✓
Proserpine Sugar Mill Network Expansion	N	B	Proserpine, QLD	✓
Racecourse Sugar Mill & Refinery	E	B	Mackay, QLD	✓
South Johnstone Sugar Mill Upgrade	N	B	Gordonvale, QLD	✓
Tableland Sugar Mill	N	B	Arriga, QLD	✓
Tinaroo Hydro	N	H	Tinaroo Dam	✓
Tully Sugar Mill Upgrade	N	B	Tully, QLD	✓
Victoria Sugar Mill	E	B	Ingham, QLD	✓
Windy Hill Wind Farm Stage I	N	W	Ravenshoe, QLD	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 19.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	28,776	0	34,085	355,814	**418,675**
Total GreenPower Sales	5,744	0	0	36,431	**42,175**
Proportion of GreenPower Sales	**14%**	**0**	**0**	**86%**	**100%**

Section 20 | Global Green Plan – GreenSwitch

Global Green Plan has failed to provide a technical return for the 2007 settlement period and has been formally placed on notice by the GreenPower Project Manager. For this reason the GreenSwitch product is considered to have had no activity during the 2007 settlement period.

URS' independent audit of Global Green Plan confirms that its GreenPower product, GreenSwitch, is not in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

On 24 June 2008 the Program Manager wrote to Global Green Plan placing it on notice that the company was in default of its obligations and that the Provider Agreement would be terminated unless the company rectified the default within 30 days. No response was received and on 17 September 2008 the Program Manager wrote a further letter to Global Green Plan terminating the Agreement with immediate effect.

Contact Global Green Plan: On (03) 9822 6335, or visit www.globalgreenplan.net

Table 20.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
GreenSwitch	R & C	Customer chooses GreenPower contribution	Offset product	Australia wide

*R – Residential, C – Commercial

Table 20.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	- (61)	- (15)	- (76)
GreenPower Sales 2007 (GreenPower Sales 2006)	- (188 MWh)	- (4,740 MWh)	- (4,928 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)	-	-	- (4,928 MWh)

Section 21 | Integral Energy – Business Green

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 21.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Business Green	C	Customer chooses percentage	Consumption	NSW, VIC, QLD, ACT

*R – Residential, C – Commercial

Table 21.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	NA	136 (533)	136 (533)
GreenPower Sales 2007 (GreenPower Sales 2006)	NA	37,621 MWh (49,549 MWh)	37,621 MWh (49,549 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			636,145 MWh (142,509 MWh)
GreenPower Events	8 events	2 customers	325 MWh

Table 21.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	431	425	123	136	NA
Purchases (MWh)					
Existing GreenPower	4,432	4,140	4,282	239,816	**252,670**
New GreenPower	0	0	0	383,475	**383,475**
Total	4,432	4,140	4,282	**623,291**	**636,145**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	12,952	12,660	5,903	6,106	**37,621**
Total	**12,952**	**12,660**	**5,903**	**6,106**	**37,621**

Table 21.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Barron Gorge	E	H	Cairns – Barron R, QLD	✓
Canning Vale Landfill	E	B	Canning Vale, WA	✓
Canunda Wind Farm	N	W	Tantanoola, SA	✓
Cathedral Rocks Wind Farm	N	W	Fishery Bay, Port Lincoln, SA	✓
Clayton Landfill	E	B	Clayton, VIC	✓
Dartmouth Power Station	E	H	Dartmouth – Mitta Mitta R, VIC	✓
Eildon Power Station	E	H	Eildon – Goulburn R, VIC	✓
Isis Sugar Mill	E	B	Childers, QLD	✓
Kalamunda Landfill	E	B	Kalamunda, WA	✓
Kareeya	E	H	Cairns, QLD	✓
Mt Millar Wind Farm	N	W	Eyre Peninsula, SA	✓
Rubicon Power Station	E	H	Eildon – Rubicon R, VIC	✓
Springvale Landfill Units 1-7	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	Yorke Peninsula, SA	✓
Wingfield I Landfill Power Station	E	B	Wingfield, SA	✓
Woolnorth Studland Bay Wind Farm	N	W	Woolnorth, TAS	✓
Wyuna Water	E	H	Kembla Grange, NSW	✓

E = “Existing” GreenPower Generator, N = “New” GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 21.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	383,475	0	153,702	98,968	**636,145**
Total GreenPower Sales	37,621	0	0	0	**37,621**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 22 | Integral Energy – Hampton Park Wind

URS' independent audit of Integral Energy confirms that its GreenPower product, Hampton Park Wind, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 22.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Hampton Wind	-	Not offered to new customers	-	-

*R – Residential, C – Commercial

Table 22.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	98 (106)	NA	98 (106)
GreenPower Sales 2007 (GreenPower Sales 2006)	350 MWh (475 MWh)	NA	350 MWh (475 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			350 MWh (475 MWh)

Table 22.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	107	102	97	98	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	87	76	124	63	**350**
Total	**87**	**76**	**124**	**63**	**350**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	87	76	124	63	**350**
Total	**87**	**76**	**124**	**63**	**350**

Table 22.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 22.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	350	0	0	0	350
Total GreenPower Sales	350	0	0	0	350
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 23 | Integral Energy – INgreen / Wyuna Water

URS' independent audit of Integral Energy confirms that its GreenPower products, INgreen and Wyuna Water, are in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

During the fourth quarter of the 2007 settlement period, Integral Energy combined Wyuna Water with INgreen customers for reporting purposes.

Table 23.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
*IN*green Home	R	10 % Accredited	Consumption	NSW
*IN*greenPure	R	100 % Accredited	Consumption	NSW
*IN*greenPower	R	10 % Accredited	Consumption	NSW
*IN*green Future	R	100 % Accredited	Consumption	NSW
*IN*green Business	C	Choice of 2.5 %, 10 %, 50 % or 100 %	Consumption	NSW
*IN*green Living	R & C	10 % Accredited GreenPower	Consumption	NSW & QLD
Wyuna Water	-	Not offered to new customers	-	-

*R – Residential, C – Commercial

Table 23.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	26,810 (9,589)	98 (12)	26,908 (9,601)
GreenPower Sales 2007 (GreenPower Sales 2006)	19,340 MWh (2,483 MWh)	372 MWh (76 MWh)	19,712 MWh (2,558 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			19,712 MWh (2,558 MWh)

Table 23.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	16,359	22,427	26,495	26,810	NA
Commercial	75	76	88	98	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	2,091	3,956	7,733	5,932	**19,712**
Total	**2,091**	**3,956**	**7,733**	**5,932**	**19,712**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	2,091	3,956	7,733	5,932	**19,712**
Total	**2,091**	**3,956**	**7,733**	**5,932**	**19,712**

Table 23.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Challicum Hills Wind Farm	N	W	Buangor, Ararat, NSW	✓
Hampton Wind Park	N	W	Hampton, NSW	✓
Mt Millar Wind Farm	N	W	Eyre Peninsular, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 23.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	19,712	0	0	0	**19,712**
Total GreenPower Sales	19,712	0	0	0	**19,712**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 24 | Jackgreen – Jackgreen Power

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 24.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Jackgreen Power 10 %	R	10 % Accredited	Consumption	NSW, VIC, SA, QLD
Jackgreen Power 25 %	R	25 % Accredited	Consumption	NSW, VIC, SA, QLD
Jackgreen Power 50 %	R	50 % Accredited	Consumption	NSW, VIC, SA, QLD
Jackgreen Power 100 %	R	100 % Accredited	Consumption	NSW, VIC, SA, QLD

*R – Residential, C – Commercial

Table 24.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	47,742 (1,093)	4 (2)	47,746 (1,095)
GreenPower Sales 2007 (GreenPower Sales 2006)	8,995 MWh (22 MWh)	103 MWh (33 MWh)	9,098 MWh (55 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			9,098 MWh (125,803 MWh)

Table 24.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	7,603	16,697	27,968	47,742	NA
Commercial	0	6	7	4	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	0	0	9,098	**9,098**
Total	**0**	**0**	**0**	**9,098**	**9,098**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	120	856	2,977	5,146	**9,098**
Total	**120**	**856**	**2,977**	**5,146**	**9,098**

Table 24.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Lake Bonney Stage One Wind Farm	N	W	Millicent, SA	✓
Rocky Point Sugar Mill	N	B	Woongoolba, QLD	✓
Woolnorth Bluff Point Wind Farm Stage 1	N	W	Woolnorth, TAS	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 24.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	8,500	0	0	598	**9,098**
Total GreenPower Sales	9,098	0	0	0	**9,098**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 25 | Momentum Energy – Momentum Energy Green

URS' independent audit of Momentum Energy confirms that its GreenPower product, Momentum Energy Green, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Momentum Energy: On 1300 662 778, or visit www.momentumenergy.com.au

Table 25.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Momentum Energy Green 10 %	R	10 % Accredited	Consumption	VIC, SA
Momentum Energy Green 20 %	R	20 % Accredited	Consumption	VIC, SA
Momentum Energy Green 25 %	R	25 % Accredited	Consumption	VIC, SA
Momentum Energy Green 50 %	R	50 % Accredited	Consumption	VIC, SA
Momentum Energy Green 75 %	R	75 % Accredited	Consumption	VIC, SA
Momentum Energy Green 100 %	R	100 % Accredited	Consumption	VIC, SA
Momentum Energy Green Business	C	Customer chooses contribution 1 % - 100 %	Consumption	VIC, SA

*R – Residential, C – Commercial

Table 25.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	125 (NA)	3 (NA)	128 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	24 MWh (NA)	164 MWh (NA)	188 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			14,000 MWh (NA)

Table 25.3 Product Summary by Quarter 2007

Table 25.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	0	1	32	125	NA
Commercial	0	2	3	3	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	5,000	9,000	0	**14,000**
Total	**0**	**5,000**	**9,000**	**0**	**14,000**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	0	8	34	147	**188**
Total	**0**	**8**	**34**	**147**	**188**

Table 25.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Woolnorth Bluff Point Wind Farm Stage 2	N	W	Woolnorth, TAS	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 25.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	14,000	0	0	0	**14,000**
Total GreenPower Sales	188	0	0	0	**188**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 26 | Origin Energy – Earth's choice

URS' independent audit of Origin Energy confirms that its GreenPower product, Earth'schoice, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 26.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Earth'schoice	R	20 % Accredited	Block 330 kWh/quarter	QLD
Earth'schoice Business	C	Choice of fixed % of consumption or fixed volume in KWh - min. 2.5 %	Block or consumption	QLD

*R – Residential, C – Commercial

Table 26.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	39,394 (34,110)	115 (537)	39,509 (34,647)
GreenPower Sales 2007 (GreenPower Sales 2006)	65,240 MWh (64,455 MWh)	53,102 MWh (87,261 MWh)	118,342 MWh (151,716 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			118,342 MWh (161,343 MWh)

Table 26.3 Product Summaryby Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	38,096	42,543	42,407	39,394	NA
Commercial	495	271	587	115	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	29,019	29,931	30,491	28,901	**118,342**
Total	**29,019**	**29,931**	**30,491**	**28,901**	**118,342**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	29,019	29,931	30,491	28,901	**118,342**
Total	**29,019**	**29,931**	**30,491**	**28,901**	**118,342**

Table 26.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Atlas Renewable Energy Facility	N	B	Noranda, WA	✓
Browns Plains Landfill	N	B	Browns Plains, QLD	✓
Codrington Wind Farm	N	W	Codrington, VIC	✓
Malabar Treatment Facility	N	B	Malabar, NSW	✓
Mt Millar Wind Farm Pty Ltd	N	W	Eyre Peninsula, SA	✓
Origin Bulk PV	N	S	Various	✓
South Cardup Renewable Energy Facility	N	B	South Cardup, WA	✓
Toora Wind Farm	N	W	Toora, VIC	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 26.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	72,099	2,324	0	43,919	**118,342**
Total GreenPower Sales	72,099	2,324	0	43,919	**118,342**
Proportion of GreenPower Sales	**61%**	**2%**	**0**	**37%**	**100%**

Section 27 | Origin Energy – EcoPower

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 27.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
EcoPower	N/A	Not offered to new customers	N/A	N/A

*R – Residential, C – Commercial

Table 27.2 Product Summary by Customer Type 2007

Table 27.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	78 (113)	5 (5)	83 (118)
GreenPower Sales 2007 (GreenPower Sales 2006)	306 MWh (460 MWh)	64 MWh (92 MWh)	370 MWh (551 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			370 MWh (551 MWh)

Table 27.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	95	85	85	78	NA
Commercial	5	5	5	5	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	73	80	115	102	**370**
Total	**73**	**80**	**115**	**102**	**370**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	73	80	115	102	**370**
Total	**73**	**80**	**115**	**102**	**370**

Table 27.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Parangana Mini Hydro	N	H	Mersey Valley, TAS	✓
Terminal Storage Mini Hydro	N	H	Tea Tree Gully Adelaide, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 27.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	370	0	**370**
Total GreenPower Sales	0	0	370	0	**370**
Proportion of GreenPower Sales	**0**	**0**	**100%**	**0**	**100%**

Section 28 | Origin Energy – EcoSaver

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 28.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
EcoSaver	N/A	Not offered to new customers	N/A	N/A

*R – Residential, C – Commercial

Table 28.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	2,507 (3,486)	NA	2,507 (3,486)
GreenPower Sales 2007 (GreenPower Sales 2006)	5,390 MWh (7,913 MWh)	NA	5,390 MWh (7,913 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			5,390 MWh (7,913 MWh)

Table 28.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	3,143	2,983	2,790	2,507	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	1,494	1,496	1,414	985	**5,390**
Total	**1,494**	**1,496**	**1,414**	**985**	**5,390**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	1,494	1,496	1,414	985	**5,390**
Total	**1,494**	**1,496**	**1,414**	**985**	**5,390**

Table 28.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
South Cardup Renewable Energy Facility	N	B	South Cardup, WA	✓
Terminal Storage Mini Hydro	N	H	Tea Tree Gully Adelaide, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 28.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	5,217	173	**5,390**
Total GreenPower Sales	0	0	5,217	173	**5,390**
Proportion of GreenPower Sales	**0**	**0**	**97%**	**3%**	**100%**

Section 29 | Origin Energy – GreenEarth

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 29.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
GreenEarth 10	R	10 % Accredited	Consumption	NSW, VIC, SA
GreenEarth 20	R	20 % Accredited	Consumption	NSW, VIC, SA
GreenEarth Extra	R	50 % Accredited	Consumption	NSW, VIC, SA
GreenEarth Wind	R	100 % Accredited	Consumption	NSW, VIC, SA
GreenEarth Solar	R	100 % Accredited	Consumption	NSW, VIC, SA
GreenEarth Business	C	Choose percentage	Consumption	Australia wide

*R – Residential, C – Commercial

Table 29.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	193,285 (95,804)	6,654 (1,113)	199,939 (96,917)
GreenPower Sales 2007 (GreenPower Sales 2006)	166,313 MWh (100,726 MWh)	120,930 MWh (54,777 MWh)	287,243 MWh (155,503 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			1,163,620 MWh (887,911 MWh)
GreenPower Events	48 events	44 customers	528 MWh

Table 29.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	112,893	141,731	161,239	193,285	NA
Commercial	2,829	4,451	5,901	6,654	NA
Purchases (MWh)					
Existing GreenPower	11,424	5,086	9,838	816,718	**843,066**
New GreenPower	48,433	72,557	65,510	134,053	**320,554**
Total	**59,857**	**77,643**	**75,348**	**950,772**	**1,163,620**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	
New GreenPower	46,874	54,770	89,910	95,688	**287,243**
Total	46,874	54,770	89,910	95,688	**287,243**

Table 29.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Babinda Sugar Mill	E	B	Babinda, QLD	✓
Barron Gorge	E	H	Cairns - Barron R, QLD	✓
Bingera Sugar Mill	E	B	Bingera, QLD	✓
Broadmeadows Landfill	E	B	Melbourne, VIC	✓
Brown Mountain	E	H	Bemboka - Bega R, NSW	✓
Burrinjuck Power Station Unit 3&4	E	H	Yass - Murrumbidgee R, NSW	✓
Challicum Hills Wind Farm	N	W	Buangor, Ararat, VIC	✓
Clayton Landfill	E	B	Clayton, VIC	✓
Corio Landfill	E	B	Corio, VIC	✓
Eildon Power Station	E	H	Eildon - Goulburn R, VIC	✓
Emu Downs Wind Farm	N	W	Badgingarra, WA	✓
Farleigh Sugar Mill	E	B	Mackay, Fairleigh, QLD	✓
Highbury Landfill	E	B	Highbury, SA	✓
Hume Power Station	E	H	Albury - Murray R, NSW	✓
Inkerman Sugar Mill	E	B	Home Hill, QLD	✓
Invicta Sugar Mill (existing)	E	B	Giru, QLD	✓
Kalamia Sugar Mill	E	B	Kalamia, QLD	✓
Kareeya	E	H	Cairns, QLD	✓
Macknade Sugar Mill	E	B	Ingham, QLD	✓
Marian Sugar Mill	E	B	Marian, QLD	✓
Maryborough Sugar Mill	E	B	Maryborough, QLD	✓
Millaquin Sugar Mill & Refinery	E	B	Bundaburg, QLD	✓
Mossman Sugar Mill	E	B	Mossman, QLD	✓
Mt Millar Wind Farm Pty Ltd	N	W	Eyre Peninsula, SA	✓
Nieterana Mini Hydro	N	H	Derwent River, TAS	✓
Origin Bulk PV	N	S	Various	✓
Parangana Mini Hydro	N	H	Mersey Valley, TAS	✓
Pedlars Creek Landfill	E	B	Noarlunga, SA	✓
Pleystowe Sugar Mill	E	B	Pleystowe, QLD	✓
Proserpine Sugar Mill	E	B	Proserpine, QLD	✓
Queen Victoria Markets Photovoltaic Installation	N	S	Melbourne, VIC	✓
Racecourse Sugar Mill & Refinery	E	B	Mackay, QLD	✓
Red Hill Landfill	E	B	Red Hill, WA	✓
Rubicon Power Station	E	H	Eildon - Rubicon R, VIC	✓
South Cardup Renewable Energy Facility	N	B	South Cardup, WA	✓
Springvale Landfill Units 1-7	E	B	Springvale, VIC	✓
Starfish Wind Farm	N	W	Cape Jervis, SA	✓
Tea Tree Gully Landfill	E	B	St Agnes, SA	✓
Terminal Storage Mini Hydro	N	H	Tea Tree Gully Adelaide, SA	✓
Tweed Renewable Energy Facility	N	B	Stotts Ck Landfill, Tweed Shire, NSW	✓
Victoria Sugar Mill	E	B	Ingham, QLD	✓
Wingfield I Landfill Power Station	E	B	Wingfield, SA	✓

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Wingfield II Landfill Power Station	E	B	Wingfield, SA	✓
Yarrawonga	E	H	Yarrawonga, Victoria	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 29.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	306,297	4,563	589,793	262,967	**1,163,620**
Total GreenPower Sales	273,213	4,336	4,062	5,631	**287,243**
Proportion of GreenPower Sales	**95%**	**1.5%**	**1.5%**	**2%**	**100%**

Section 30 | Simply Energy – GreenSaver

URS' independent audit of Simply Energy confirms that its GreenPower product, GreenSaver, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Simply Energy: On 13 88 08 or visit www.simplyenergy.com.au

Table 30.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
GreenSaver	R & C	10 % Accredited	Consumption	VIC & SA
GreenSaver Premium	R & C	100 % Accredited	Consumption	VIC & SA

*R – Residential, C – Commercial

Table 30.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	93,717 (86,472)	853 (411)	94,570 (86,883)
GreenPower Sales 2007 (GreenPower Sales 2006)	59,610 MWh (33,014 MWh)	1,219 MWh (201 MWh)	60,829 MWh (33,215 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			64,925 MWh (34,914 MWh)

Table 30.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	93,722	97,944	97,569	93,717	NA
Commercial	582	836	871	853	NA
Purchases (MWh)					
Existing GreenPower	1,574	1,503	1,853	3,266	**8,196**
New GreenPower	11,021	12,286	17,250	16,172	**56,729**
Total	**12,595**	**13,789**	**19,103**	**19,438**	**64,925**
Sales (MWh)					
Existing GreenPower	1,574	1,503	1,853	1,417	**6,347**
New GreenPower	11,021	12,286	17,250	13,925	**54,482**
Total	**12,595**	**13,789**	**19,103**	**15,342**	**60,829**

Table 30.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Albany Wind Farm	N	W	Albany, WA	✓
Alinta Wind Farm	N	W	Geraldton, WA	✓
Bremer Bay Wind Turbine	N	W	Bremer Bay, WA	✓
Canunda Wind Farm	N	W	Poonada Road, Tantanoola, SA	✓
Coral Bay Wind Farm	N	W	Coral Bay, WA	✓
Denham Wind Turbine	N	W	Denham, WA	✓
Esperance 9 Mile Beach Wind Farm	N	W	Esperance, WA	✓
Hopetoun Wind Turbine	N	W	Hopetoun, WA	✓
Invicta Sugar Mill	E	B	Giru, QLD	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 30.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	56,729	0	0	8,196	**64,925**
Total GreenPower Sales	54,482	0	0	6,347	**60,829**
Proportion of GreenPower Sales	**90%**	**0**	**0**	**10%**	**100%**

Section 31 | Simply Energy – Green@work

URS' independent audit of Simply Energy confirms that its GreenPower product, Green@work, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Simply Energy: On 13 88 08 or visit www.simplyenergy.com.au

Table 31.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Green@Work	C	Customers choose any percentage	Consumption	VIC & SA

Table 31.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	NA	4 (3)	4 (3)
GreenPower Sales 2007 (GreenPower Sales 2006)	NA	736 MWh (230 MWh)	736 MWh (230 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			832 MWh (230 MWh)

Table 31.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	NA	NA
Commercial	4	4	4	4	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	196	177	186	273	**832**
Total	**196**	**177**	**186**	**273**	**832**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	196	177	186	177	**736**
Total	**196**	**177**	**186**	**177**	**736**

Table 31.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 31.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	832	0	0	0	**832**
Total GreenPower Sales	736	0	0	0	**736**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 32 | South Australia Electricity – GreenEnergy

URS' independent audit of South Australia Electricity confirms that its GreenPower product, **GreenEnergy**, is in accordance with the requirements of the *National GreenPower Accreditation Document*, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact South Australia Electricity: On 1300 360 294 or visit www.southaustraliaelectricity.com.au

Table 32.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Green Energy	R & C	10 % or 100 % Accredited	Consumption	SA

*R – Residential, C – Commercial

Table 32.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	205 (NA)	- (NA)	205 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	134 MWh (NA)	- (NA)	134 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			143 MWh (NA)

Table 32.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	12	15	40	205	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	18	35	36	54	**143**
Total	**18**	**35**	**36**	**54**	**143**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	16	32	34	52	**134**
Total	**16**	**32**	**34**	**52**	**134**

Table 32.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 32.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	0	143	**143**
Total GreenPower Sales	0	0	0	134	**134**
Proportion of GreenPower Sales	**0**	**0**	**0**	**100%**	**100%**

Section 33 | Synergy – EasyGreen

URS' independent audit of Synergy confirms that its GreenPower product, EasyGreen, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 33. 1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
EasyGreen	R	Choice of between 1,200 kWh – 9600 kWh (increments of 1,200 kWh)/annum	Block	WA

*R – Residential, C – Commercial

Table 33.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	945 (NA)	NA	945 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	226 MWh (NA)	NA	226 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			226 MWh (NA)

Table 33.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	945	NA
Commercial	NA	NA	NA	NA	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	NA	NA	226	**226**
Total	**NA**	**NA**	**NA**	**226**	**226**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	NA	NA	226	**226**
Total	**NA**	**NA**	**NA**	**226**	**226**

Table 33.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 33.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	226	0	0	0	**226**
Total GreenPower Sales	226	0	0	0	**226**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 34 | Synergy – NaturalPower

URS' independent audit of Synergy confirms that its GreenPower product, NaturalPower, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 34.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Natural Power 25 %	R	25 % Accredited	Consumption	WA
Natural Power 50 %	R	50 % Accredited	Consumption	WA
Natural Power 75 %	R	75 % Accredited	Consumption	WA
Natural Power 100 %	R	100 % Accredited	Consumption	WA
Natural Power Business	C	Choice of 5 %, 10 %, 25 %, 50 %, 75 % or 100 %	Consumption	WA

*R – Residential, C – Commercial

Table 34.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	6,112 (2,812)	956 (531)	7,068 (3,343)
GreenPower Sales 2007 (GreenPower Sales 2006)	21,105 MWh (5,562 MWh)	21,785 MWh (12,226 MWh)	42,890 MWh (17,788 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			42,890 MWh (18,528 MWh)
GreenPower Events	25 events	15 customers	47 MWh

Table 34.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	4,074	4,978	5,506	6,112	**NA**
Commercial	583	634	926	956	**NA**
Purchases (MWh)					
Existing GreenPower	6	5.1	5.4	6	**23**
New GreenPower	8,074	9,644	11,862.1	13,287	**42,867**
Total	**8,080**	**9,649**	**11,868**	**13,293**	**42,890**
Sales (MWh)					
Existing GreenPower	6	5.1	5.4	6	**23**
New GreenPower	8,074	9,644	11,862.1	13,287	**42,867**
Total	**8,080**	**9,649**	**11,868**	**13,293**	**42,890**

Table 34.4 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	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator
B = Biomass, H = Hydro, S = Solar, W = Win

Table 34.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	42,867	23	0	0	**42,890**
Total GreenPower Sales	42,867	23	0	0	**42,890**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 35 | TRUenergy – TRUenergy Green

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 3.4. Key data relevant to the audit is presented in the following tables.

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

Table 35.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Go Green	R	10 % Accredited	Consumption	NSW, VIC, SA, ACT
Planet Starter	R	10 % Accredited	Consumption	NSW, VIC, SA, ACT
Planet	R	20 % Accredited	Consumption	NSW, VIC, SA, ACT
Planet Plus	R	50 % Accredited	Consumption	NSW, VIC, SA, ACT
Wind Power	R	100 % Accredited	Consumption	NSW, VIC, SA, ACT
TRUenergy Green	C	Choice between 1 % - 100 % Accredited	Consumption	NSW, VIC, SA, ACT
TRUenergy Eco-friendly	C	Choice of 2.5 %, 5 %, 10 %, 25 %, 50 %, 75 %	Consumption	NSW, VIC, SA, ACT
TRUenergy Wind Power	C	100 %	Consumption	NSW, VIC, SA, ACT

*R – Residential, C – Commercial

Table 35.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	89,591 (30,893)	3,129 (573)	92,720 (31,446)
GreenPower Sales 2007 (GreenPower Sales 2006)	43,618 MWh (31,164 MWh)	5,692 MWh (10,926 MWh)	49,310 MWh (42,090 MWh)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			365,334 MWh (289,574 MWh)
GreenPower Events	11 events	3 customers	178 MWh

Table 35.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	49,200	57,137	72,066	89,591	NA
Commercial	2,143	2,841	3,236	31,29	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	88,423	80,988	104,139	91,784	**365,334**
Total	**88,423**	**80,988**	**104,139**	**91,784**	**365,334**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	9,131	13,560	14,832	11,787	**49,310**
Total	**9,131**	**13,560**	**14,832**	**11,787**	**49,310**

Table 35.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 35.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	365,334	0	0	0	**365,334**
Total GreenPower Sales	49,310	0	0	0	**49,310**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Section 36 | Victoria Electricity – Green Energy

URS' independent audit of Victoria Electricity confirms that its GreenPower product, Green Energy, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Victoria Electricity: On 1300 136 749 or visit www.victoriaelectricity.com.au

Table 36.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Eco Green	R	10 % Accredited	Consumption	VIC
Premium Green	R	100 % Accredited	Consumption	VIC
Business	C	Choice of 10 % or 100 %	Consumption	VIC

*R – Residential, C – Commercial

Table 36.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	8,599 (NA)	30 (NA)	8,629 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	5,785 MWh (NA)	950 MWh (NA)	6,735 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			6,751 MWh (NA)

Table 36.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	2,556	4,893	5,462	8,599	NA
Commercial	13	15	22	30	NA
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	744	1,806	2,174	2,027	**6,751**
Total	**744**	**1,806**	**2,174**	**2,027**	**6,751**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	740	1,802	2,170	2,023	**6,735**
Total	**740**	**1,802**	**2,170**	**2,023**	**6,735**

Table 36.4 GreenPower Generators

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

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 36.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	0	0	0	6,751	**6,751**
Total GreenPower Sales	0	0	0	6,735	**6,735**
Proportion of GreenPower Sales	**0**	**0**	**0**	**100%**	**100%**

Section 37 | Viridor - Deep Green Renewable

URS' independent audit of Viridor confirms that its GreenPower product, Deep Green Renewable, is in accordance with the requirements of the National GreenPower Accreditation Document, Version 3.4. Key data relevant to the audit is presented in the following tables.

Contact Viridor: On (02) 9518 3121 or visit www.viridor.com.au

Table 37.1 Product Description 2007

Product Options	R / C	Product Details	Consumption / Block Based	Availability
Deep Green Renewable	C	Choice of 1 % to 100 % Accredited	Block	Australia wide

*R – Residential, C – Commercial

Table 37.2 Product Summary by Customer Type 2007

Product Summary	Residential 2007	Commercial 2007	Total 2007
GreenPower Customer Numbers 2007 (GreenPower Customer Numbers 2006)	NA	2 (NA)	2 (NA)
GreenPower Sales 2007 (GreenPower Sales 2006)	NA	480 MWh (NA)	480 MWh (NA)
GreenPower Purchases 2007 (GreenPower Purchases 2006)			1,801 MWh (NA)

Table 37.3 Product Summary by Quarter 2007

	Mar 07	June 07	Sept 07	Dec 07	Total
Customers					
Residential	NA	NA	NA	NA	**NA**
Commercial	NA	NA	NA	2	**NA**
Purchases (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	NA	NA	1,801	**1,801**
Total	**NA**	**NA**	**NA**	**1,801**	**1,801**
Sales (MWh)					
Existing GreenPower	NA	NA	NA	NA	**NA**
New GreenPower	NA	NA	NA	480	**480**
Total	**NA**	**NA**	**NA**	**480**	**480**

Table 37.4 GreenPower Generators

Name	E/N[1]	Type[2]	Location	GreenPower Approved
Starfish Hill Wind Farm	N	W	Cape Jervis, SA	✓

E = "Existing" GreenPower Generator, N = "New" GreenPower Generator

B = Biomass, H = Hydro, S = Solar, W = Wind

Table 37.5 Purchases and Sales by Type (MWh)

	Wind	Solar	Hydro	Biomass	Sub-Total
Total GreenPower Purchased	1,801	0	0	0	**1,801**
Total GreenPower Sales	480	0	0	0	**480**
Proportion of GreenPower Sales	**100%**	**0**	**0**	**0**	**100%**

Appendix A – GreenPower Accreditation Document

Program Manager Contact Details:
Contact: GreenPower Program Manager
NSW Department of Water and Energy
Location: Level 17, 227 Elizabeth Street

Postal: GPO Box 3889 NSW 2001
Phone: (02) 8281 7777
Fax: (02) 8281 7355
Email: greenpower@dwe.nsw.gov.au
Website: www.greenpower.gov.au

Contents

Tables

Figures

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.

The term 'GreenPower Product' refers only to the GreenPower accredited portion of any product offering by a GreenPower Provider.

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 , 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 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 no longer requires 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 (e.g. 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, 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.

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:

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

The GreenPower logo has been developed to build recognition of the GreenPower brand. To strengthen the effect of these efforts, a common logo has been developed for use across Australia by GreenPower Providers, Customers and New GreenPower Generators.

GreenPower Providers

It is important that GreenPower Providers support the recognition of the GreenPower brand, the accreditation processes and overall enhancement of the GreenPower concept. Providers must refer to their product's accreditation in all advertising and marketing in connection with the GreenPower Product or the Program as per the GreenPower Provider Agreement. This includes all print, broadcast & online material including a hotlink from the Logo to the GreenPower website.

The GreenPower logo must be used in compliance with the conditions of use that are available in a document entitled “GreenPower Logo Usage Guidelines 2006/2007”, available from the GreenPower website (http://www.greenpower.gov.au/pages/Work-Logo.php).

Customers

GreenPower Customers may be entitled to use the GreenPower logo if they have purchased or contracted to purchase sufficient levels of GreenPower as outlined in the GreenPower Logo Usage Guidelines 2006/2007. This document also describes how and where the logos can be used, and is available from the GreenPower website.

GreenPower Providers must promote the use of the GreenPower 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 logo.

GreenPower Generators

Generator owners are entitled to use the GreenPower logo where more than half of the output of the generator is classified as New GreenPower generation. Additional requirements are contained in the GreenPower Logo Usage Guidelines 2006/2007. This document also describes how and where the logos can be used, and is available from the GreenPower website (http://www.greenpower.gov.au/pages/Work-Logo.php).

GreenPower Events

The GreenPower logo is available for use where an event will be powered by 100% GreenPower accredited energy. The GreenPower 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 purchasing GreenPower. Additional requirements are contained in the GreenPower Logo Usage Guidelines 2006/2007. This document also describes how and where the logos can be used, and is available from the GreenPower website (http://www.greenpower.gov.au/pages/Work-Logo.php).

Figure 1. Example of GreenPower Logo

4.5 GreenPower Product Disclosure Label

The purpose of the GreenPower Product Disclosure label is to establish a mechanism to differentiate GreenPower products and communicate how environmentally friendly each option actually is. It provides full disclosure of the contents of GreenPower accredited products through the inclusion of discrete percentages of all product contents. This more detailed design will present consumers with a greater amount of information. The use of the GreenPower Product Disclosure Label is now compulsory for all marketing and collateral of GreenPower accredited products. The full requirements are contained in the GreenPower Logo Usage Guidelines 2006/2007. This document also describes

how and where the logos can be used, and is available from the GreenPower website (http://www.greenpower.gov.au/pages/Work-Logo.php).

Figure 2. Example of GreenPower Product Disclosure Label

4.6 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 (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.

4.7 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 NOx 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. Wood waste 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[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 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.

[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.

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; *
- 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[2]
- 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.

[2] 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.

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[3] (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.

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.

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

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).*	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.

Generator Type	Key ESD Considerations
	Consideration of production of biomass in a landscape context, with farm 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.

Table 2. Fee structure

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.	$500 (non-refundable)
Projects (or upgrades) greater than 1MW	Full GreenPower approval process, including stakeholder consultation.	$1000* *$500 if pre-approved (i.e. Total: $1000)
Annual Accreditation Fees for New GreenPower Generators (applicable from 1 January 2007)		
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	$1000 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 $4000 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.

The Program Manager reserves the right to change Annual Accreditation and Generator Assessment Fees without notice.

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 (e.g. 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.