

# NATIONAL GREEN POWER ACCREDITATION PROGRAM

## Quarterly Status Report, 1 January – 31 March, 2006

This report forms part of an ongoing commitment to provide stakeholders with information on Green Power Products. The first section of this report provides general information on the National Green Power Accreditation Program. This is followed by an overview of each Green Power Product with information on sales, purchases and customer numbers.

The current Settlement Period is from 1 January 2006 to 31 December 2006. The dates of the Quarters are as follows:

- **Quarter 1: 1 January to 31 March, 2006**
- *Quarter 2: 1 April to 30 June, 2006*
- *Quarter 3: 1 July to 30 September, 2006*
- *Quarter 4: 1 October to 31 December, 2006*

This report, as well as additional information about Green Power, is available on the Green Power website:

[www.greenpower.gov.au](http://www.greenpower.gov.au)

## Executive Summary

### QUARTER IN REVIEW: 1 JANUARY – 31 MARCH 2006

Green Power Products totalled 20 for the Quarter, offered by 12 Green Power providers. Availability and characteristics of the products, sales and total customers are described in this report. A summary of key data, collated across the Green Power market is provided below.

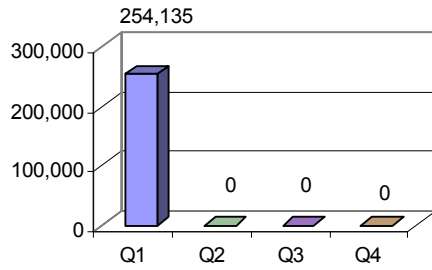
### Quarterly Status of National Green Power Accreditation Program

	NSW	VIC	QLD	SA	WA	ACT	Total
Residential Customers	40,266	97,060	67,274	28,374	1,172	6,554	240,700
Commercial Customers	8,079	3,774	1,088	74	107	313	13,435
<b>Total Green Power Customers (net change this quarter)</b>	<b>48,345 (+11,387)</b>	<b>100,834 (+18,992)</b>	<b>68,362 (+2,814)</b>	<b>28,448 (+8,167)</b>	<b>1,279 (+47)</b>	<b>6,867 (+426)</b>	<b>254,135 (+41,833)</b>
Green Power Sales to Residential Customers (MWh)	9,790	22,020	21,526	5,775	1,010	3,913	64,035
Green Power Sales to Commercial Customers (MWh)	50,241	24,562	33,041	740	2,870	7,536	118,990
<b>Total Green Power Sales (MWh)</b>	<b>60,031</b>	<b>46,583</b>	<b>54,567</b>	<b>6,514</b>	<b>3,881</b>	<b>11,449</b>	<b>183,025</b>

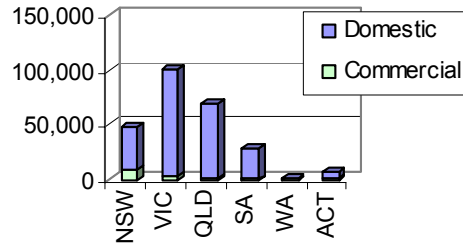
A comparison of the above statistics with the Quarter 4 2005 Green Power Status Report shows a large increase in customer numbers, particularly NSW commercial customers. This apparent increase is partially due to several retailers having refined their Q4 2005 figures during the course of the 2005 Annual Audit process and adjustments to retailer reporting systems.

## GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter

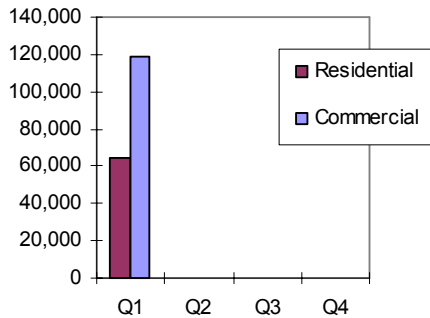


Total Commercial and Residential Customers Per State this Quarter

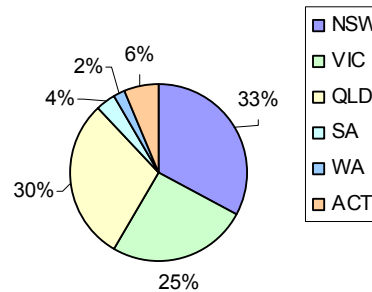


## GREEN POWER SALES

Quarterly and Year to Date (YTD) Commercial and Residential Green Power Sales (MWh)

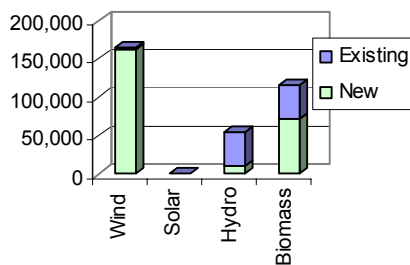


Green Power Sales (MWh) this Quarter by State



## GREEN POWER PURCHASES

New and Existing Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	1000.0	162,864.5	<b>163,864.5</b>
Solar	10.2	400.9	<b>411.1</b>
Hydro	43,573.1	10,461.1	<b>54,034.2</b>
Biomass	42,975.4	70,790.9	<b>113,766.3</b>
<b>Total</b>	<b>87,558.8</b>	<b>244,517.3</b>	<b>332,076.1</b>

'New' Green Power purchased this Quarter: 244,517 MWh  
 'Existing' Green Power purchased this Quarter: 87,559 MWh  
 Total Green Power purchased this Quarter: 332,076 MWh

## About the National Green Power Accreditation Program

To support the growth of the renewable energy industry in Australia the NSW Government developed the *Green Power Accreditation Program* in April 1997. The purpose of the program is to promote the installation of new Green Power electricity generators by increasing consumer demand and confidence in accredited Green Power products.

Due to its success, the program was expanded nationally through joint collaboration by participating state government agencies in NSW, Victoria, Queensland, South Australia, ACT and Western Australia and renamed the '*National Green Power Accreditation Program*'. In May 2000, the National Green Power Accreditation Steering Group was officially established. The NSW Department of Energy, Utilities and Sustainability (DEUS) is currently appointed as the Green Power Project Manager.

Most energy retailers throughout Australia offer at least one accredited Green Power Product. In the contestable (deregulated) markets of NSW, VIC, SA and the ACT, all residential and commercial customers can choose to buy a Green Power Product offered by any retailer licensed in that State. Larger customers in WA and Queensland can also choose Green Power from licensed retailers outside their franchise area.

Green Power Products are now also offered by some companies that are not licensed energy retailers. In these cases, the Green Power supplier offers an accredited Green Power product separate to a customer's electricity supply.

The two main types of Green Power products offered are:

1. Consumption based products whereby customers nominate the level of Green Power purchased according to a nominated percentage of their total electricity consumption; and
2. Contribution of 'block' products whereby customers nominate a set dollar contribution or purchase a kWh 'block' of Green Power that is based on the average household electricity consumption and is not directly linked to an individual customer's consumption.

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

### RULES OF THE PROGRAM

The National Green Power Accreditation Program sets stringent rules for all Green Power providers offering an accredited Green Power Product. Two key requirements are for Green Power providers to: source all generation included in a Green Power product from Green Power approved sources; and purchase at least eighty per cent of Green Power sales from 'new' renewable energy generation. 'New' is defined as any generator built or commissioned after 1 January 1997 that is Green Power approved. Further information on the rules of the program is available in the *National Green Power Accreditation Document*, available on the website at [www.greenpower.gov.au](http://www.greenpower.gov.au)

To ensure that Green Power sales are additional to legislated renewable energy purchases through the Mandatory Renewable Energy Target (MRET), retailers are required to transfer eligible RECs for each MWh of generation classified as 'new' Green Power generation sold as part of a Green Power Product within a settlement period.

Note: A number of rule changes have been announced following the recent Green Power Review. Visit [www.greenpower.gov.au](http://www.greenpower.gov.au) for further details on the Green Power Review and outcomes.

### GREEN POWER GENERATORS

Under the National Green Power Accreditation Program, a Green Power approved 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 Green Power Program Accreditation Document. A description of the major generator types is provided in Appendix A.

There are currently over 260 Green Power approved generators in Australia, including more than 170 'new' generators, which have been commissioned or first sold energy since January 1 1997. For a comprehensive list of Green Power

approved generators, please visit the Download section of the Green Power website at [www.greenpower.gov.au](http://www.greenpower.gov.au) or e-mail [greenpower@deus.nsw.gov.au](mailto:greenpower@deus.nsw.gov.au).

## 'NEW' GREEN POWER GENERATORS THIS QUARTER

The table below details the 'new' Green Power generators approved in the quarter ending 31 March 2006.

Generator	Generation Type	Commissioning Date	Location
Origin Energy Small Residential PV systems	Solar - PV	August – December 2005	Residential premises, VIC & SA

## GREEN POWER PRODUCTS

Green Power Products are available to electricity consumers in the commercial and residential markets. In some cases, different products are available to each market sector. The table below details the States in which Green Power Products were offered during the Quarter.

### Green Power Products Offered this Quarter

Retailer	Product	States Offered					
		NSW	VIC	QLD	SA	WA	ACT
ActewAGL	GreenChoice	☀	☀	☀	☀	☀	☀
AGL	Green Living	*	*		*		
	Green Energy	☀	☀	✓	☀		✓
Climate Friendly	Climate Neutral Power	☀	☀	☀	☀	☀	☀
Country Energy	countrygreen	☀	☀	✓	✓		✓
	countrygreen energy	☀	☀	☀	✓		✓
Energex	earth'schoice	☀	☀	☀	✓	✓	☀
Energy Australia	PureEnergy	☀	✓	✓			✓
EA IPR Retail Partnership	GreenSaver		*		*		
	GreenSaver Premium		*		*		
Ergon Energy	Clean Energy from Ergon Energy			☀			
	Clean Energy Plus Option	✓	✓	✓		✓	✓
Integral Energy	Hampton Park Wind	☀					
	Wyuna Water	☀					
	Business Green	✓					
Origin Energy	GreenEarth	☀	☀	☀	☀	☀	☀
	GreenEarth Extra	*	*		*		
	GreenEarth Wind	*	*		*		
	GreenEarth Solar	*	*		*		
	EcoSaver – Residential Option (not currently offered to new customers)		*				
	EcoPower – Business Option (not currently offered to new customers)		✓				
	EcoPower – Residential Option (not currently offered to new customers)		*				
TRUenergy	TRUenergy green	☀	☀		☀		
Synergy	NaturalPower					☀	

☀ Available to residential/commercial customers

\* Available to residential customers only

✓ Available to commercial customers only

## ActewAGL GreenChoice

**Availability:** All residential and business customers Australia-wide.

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

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

**Quarter in Review:** At the end of March 2006 there were 6,588 residential and 46 commercial GreenChoice customers. During the Quarter ending 31 March 2006 GreenChoice residential sales amounted to 3,943 MWh, commercial sales amounted to 38 MWh with total sales for the quarter 3,981 MWh.

**'New' Green Power purchases this Quarter:** There were no new Green Power purchases this Quarter.

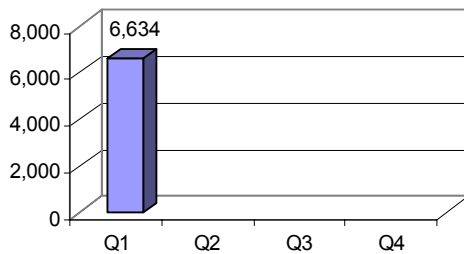
**Contact ActewAGL:** On 13 14 93 or visit [www.actewagl.com.au/greenchoice](http://www.actewagl.com.au/greenchoice).



## Quarter in Review

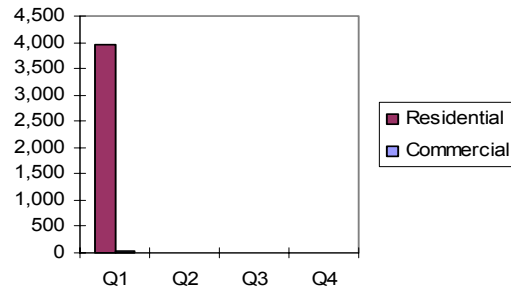
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



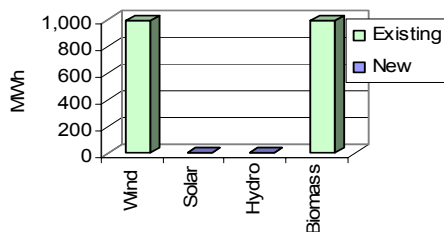
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



New Purchased: 0 MWh  
Existing Purchased: 2,000 MWh

Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	1,000	0.0	1,000
Solar	0.0	0.0	0.0
Hydro	0.0	0.0	0.0
Biomass	1,000	0.0	1,000
<b>Total</b>	<b>2,000</b>	<b>0.0</b>	<b>2,000</b>

## AGL Green Energy



**Availability:** Residential customers in Victoria, NSW and South Australia and commercial customers in all states.

**Residential customer Options:** Choose to purchase the equivalent of 10%, 25%, 50% or 100% of electricity from Green Power approved renewable energy sources.

**Commercial customer Options:** Select the preferred level of green tariff anywhere from 1% to 100%.

**Quarter in Review:** At the end of March 2006 there were 2,292 residential and 6,422 commercial Green Energy customers. During the Quarter ending 31 March 2006 Green Energy residential sales amounted to 932 MWh, commercial sales amounted to 12,951 MWh with total sales for the Quarter 13,883 MWh.

**'New' Green Power purchases this Quarter:** Starfish Hill and Canunda Wind Farms and West Nowra.

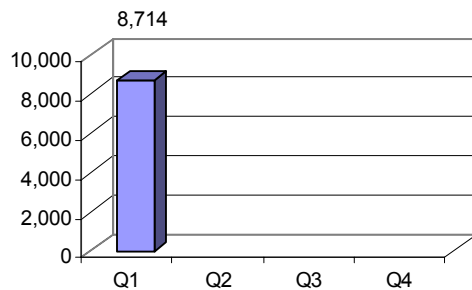
**Contact AGL:** On 1300 556 245 or visit: [www.agl.com.au](http://www.agl.com.au).

## Quarter in Review

## Quarter in Review

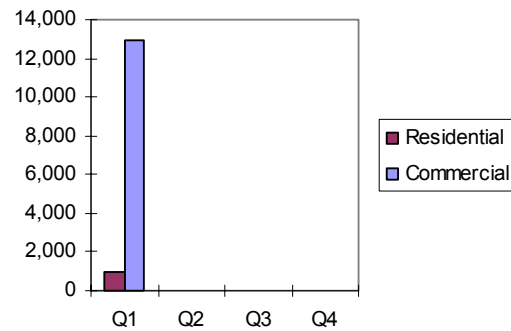
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



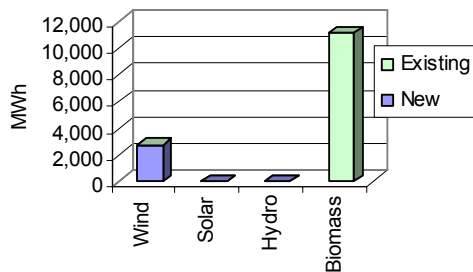
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	2,776.6	2,776.6
Solar	0.0	0.0	0.0
Hydro	0.0	0.0	0.0
Biomass	11,106.4	0.0	11,106.4
<b>Total</b>	<b>11,106.4</b>	<b>2,776.6</b>	<b>13,883.0</b>

New Purchased: 2,776.6 MWh  
Existing Purchased: 11,106.4 MWh



## AGL Green Living

AGL Green Living was launched during the quarter ending June 2005. Green Living is 5% Green Power accredited. Green Living is no longer offered to new customers, however customers signed on before 1<sup>st</sup> March 2006 will continue to be serviced until 1<sup>st</sup> March 2007.



**Availability:** Residential customers in Victoria, NSW and South Australia.

**Quarter in Review:** At the end of March 2006 there were 24,145 residential Green Living customers. During the Quarter ending 31 March 2006, the Green Power accredited proportion of Green Living sales amounted to 974 MWh.

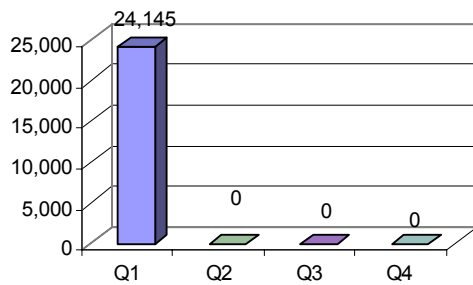
**'New' Green Power purchases this Quarter:** Starfish Hill and Canunda wind farms.

**Contact AGL:** On 1300 556 245 or visit: [www.agl.com.au](http://www.agl.com.au).

## Quarter in Review

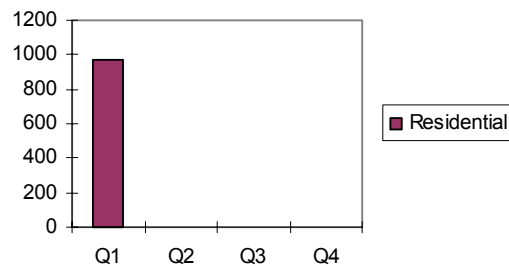
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



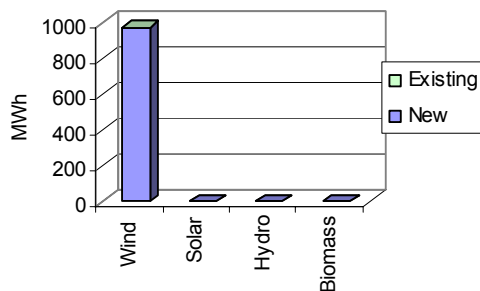
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



## Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	974	<b>974</b>
Solar	0.0	0.0	<b>0.0</b>
Hydro	0.0	0.0	<b>0.0</b>
Biomass	0.0	0.0	<b>0.0</b>
<b>Total</b>	<b>0.0</b>	<b>974</b>	<b>974</b>

New Purchased: 974 MWh  
Existing Purchased: 0 MWh



## Climate Friendly – Climate Neutral™

Climate Friendly is an accredited Green Power provider which offers Green Power nationally using a web interface and also directly to the corporate sector. While Climate Neutral customers continue to purchase electricity from their standard electricity supplier, Climate Friendly purchases and surrenders the equivalent number of Green Power Rights and Renewable Energy Certificates (RECs) from eligible generation sources to meet the customer's electricity consumption.

**Availability:** Residential and business customers throughout Australia.

**Residential and Commercial Customer Options:** Select one of three options: Emerald - 100% accredited Green Power, Green - 25% accredited Green Power, Economy - 10% accredited Green Power. All Green Power rights are sourced from 'new' wind generators.

**Quarter in Review:** At the end of March 2006 there were 13 residential and 8 commercial Climate Neutral customers. During the Quarter ending 31 March 2006 Climate Neutral residential sales amounted to 18 MWh, commercial sales amounted to 24 MWh with total sales for the quarter 42 MWh.

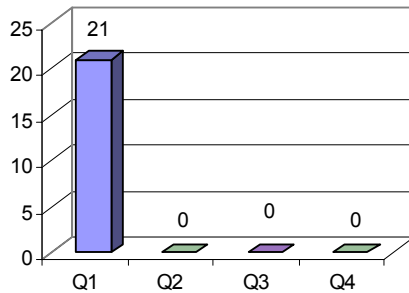
**'New' Green Power purchases this Quarter:** No Green Power purchases were made this Quarter.

**Contact Climate Friendly:** On (02) 9281 0358, [sales@climatefriendly.com](mailto:sales@climatefriendly.com) or visit [www.climatefriendly.com](http://www.climatefriendly.com)

## Quarter in Review

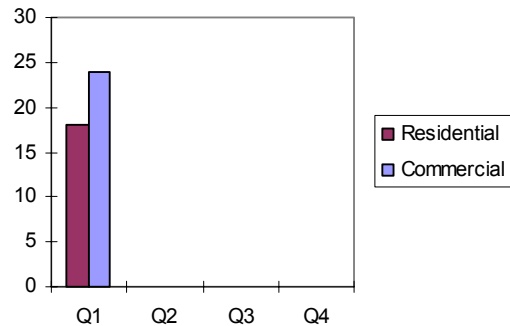
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



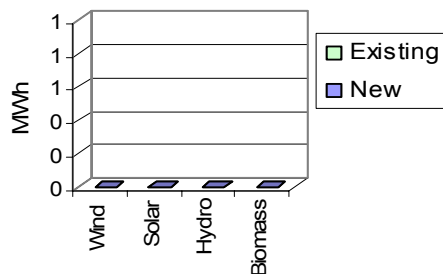
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	0.0	0.0
Solar	0.0	0.0	0.0
Hydro	0.0	0.0	0.0
Biomass	0.0	0.0	0.0
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Existing Purchased: 0 MWh

New Purchased: 0 MWh



## Country Energy countrygreen



**Availability:** Residential and business customers in NSW and Victoria and contestable business customers in Queensland, ACT and South Australia.

**Residential customer Options:** Select one of three options: *liteGREEN*, *livingGREEN* or *pureGREEN* - an amount approximately equal to 20, 50 or 100 per cent of energy usage will be sourced from Green Power approved sources.

**Commercial customer Options:** Choose to purchase anywhere between 2.5% and 100% energy from Green Power approved renewable sources.

**Quarter in Review:** At the end of March 2006 there were 1,795 residential and 809 commercial countrygreen customers. During the Quarter ending 31 March 2006 countrygreen residential sales amounted to 897 MWh, commercial sales amounted to 14,648 MWh with total sales for the Quarter 15,545 MWh.

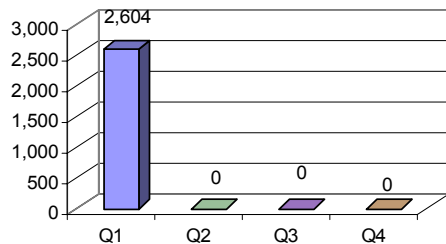
**'New' Green Power purchases this Quarter:** Broadwater and Condong Sugar Mills, Camellia Biogas Power Station, Lucas Heights Biomass, Rochedale and Whitwood Road Renewable Energy Facilities, Dungog Hydro and Chichester Dam, Queanbeyan Solar Farm and Western Plains Zoo and Blayney and Crookwell Wind Farms.

**Contact Country Energy:** On 13 23 56, or visit [www.countryenergy.com.au](http://www.countryenergy.com.au).

## Quarter in Review

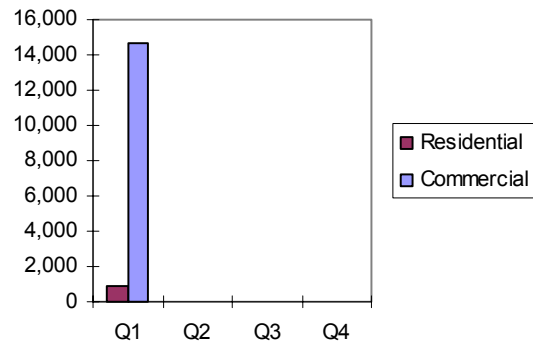
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



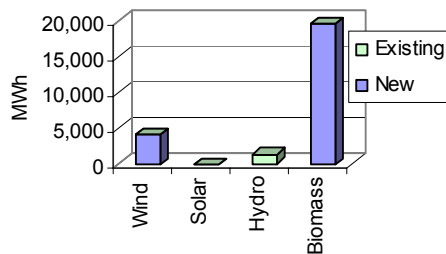
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	4,063.9	<b>4,063.9</b>
Solar	0.0	31.6	<b>31.6</b>
Hydro	1,284.3	121.2	<b>1,405.5</b>
Biomass	0.0	19,467.0	<b>19,467.0</b>
<b>Total</b>	<b>1,284.3</b>	<b>23,683.6</b>	<b>24,968.0</b>

New Purchased: 23,683.6 MWh  
Existing Purchased: 1,284.3 MWh



## Country Energy countrygreen energy



**Availability:** Residential and commercial customers in NSW, ACT, Victoria, Queensland and South Australia.

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

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

**Quarter in Review:** At the end of March 2006 there were 8,932 residential and 491 commercial countrygreen energy customers. During the Quarter ending 31 March 2006 countrygreen energy residential sales amounted to 1,804 MWh, commercial sales amounted to 89 MWh with total sales for the Quarter 1,893 MWh.

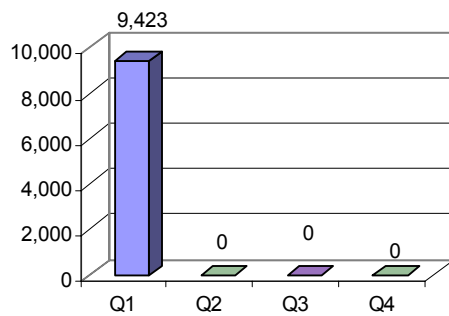
**'New' Green Power purchases this Quarter:** Lake Bonney Wind Farm.

**Contact Country Energy:** On 13 23 56, or visit [www.countryenergy.com.au](http://www.countryenergy.com.au).

## Quarter in Review

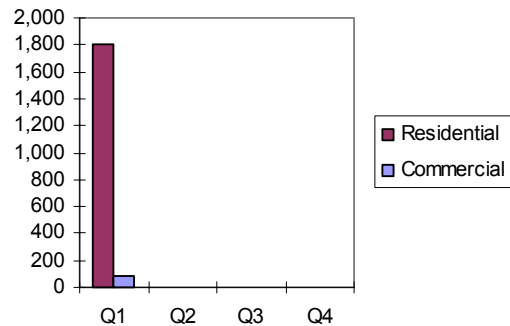
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



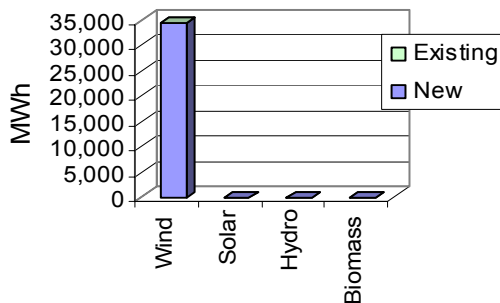
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	34,401.8	<b>34,401.8</b>
Solar	0.0	0.0	<b>0.0</b>
Hydro	0.0	0.0	<b>0.0</b>
Biomass	0.0	0.0	<b>0.0</b>
<b>Total</b>	<b>0.0</b>	<b>34,401.8</b>	<b>34,401.8</b>

New Purchased: 34,401.8 MWh  
Existing Purchased: 0 MWh



# Energex earth'schoice



**Availability:** Energex's residential and business customers, as well as contestable business customers Australia wide.

**Residential Customer Options:** Choose a minimum kWh amount, ranging from 330 kWh to 1,990 kWh per bill. For each contribution level, Energex will purchase a minimum amount of Green Power on behalf of the customer.

**Business Customer Options:** Choose a percentage of electricity consumption or a fixed volume of green energy (minimum level of 2.5% of electricity usage).

**Quarter in Review:** At the end of March 2006 there were 38,217 residential and 436 commercial earth'schoice customers. During the Quarter ending 31 March 2006 earth'schoice residential sales amounted to 18,520 MWh, commercial sales amounted to 33,959 MWh with total sales for the Quarter 52,479 MWh.

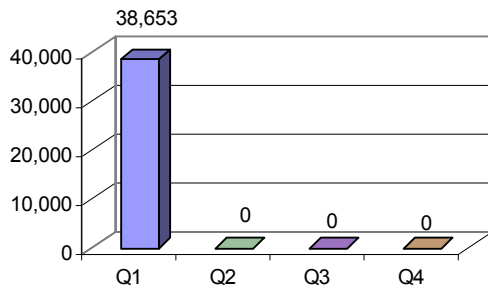
**'New' Green Power purchases this Quarter:** Landers Shute Pipeline, Pindari HEPS, Browns Plains Landfill, Landfill Management Services – Cardup and Mirabooka, Rocky Point Sugar Mill Upgrade, FPD Savills and Gecko House Solar and various Solar PV Systems throughout Queensland.

**Contact ENERGEX:** On 13 12 53 or visit [www.energex.com.au](http://www.energex.com.au).

## Quarter in Review

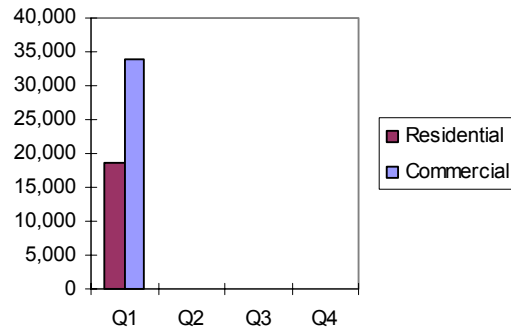
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



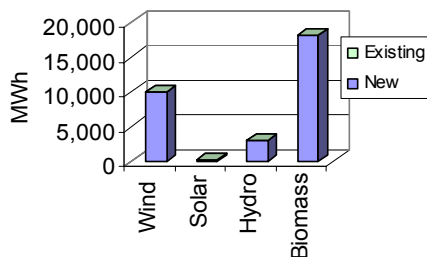
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



New Purchased: 31,333.2 MWh  
Existing Purchased: 0 MWh

Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	10,000.0	<b>10,000.0</b>
Solar	0.0	109.5	<b>109.5</b>
Hydro	0.0	2,951.9	<b>2,951.9</b>
Biomass	0.0	18,271.8	<b>18,271.8</b>
<b>Total</b>	<b>0.0</b>	<b>31,333.2</b>	<b>31,333.2</b>



# EnergyAustralia PureEnergy



**Availability:** Energy Australia’s residential and small business customers in NSW and contestable commercial and industrial customers in NSW, VIC and SA.

**Residential Customer Options:** Choose a percentage of total energy consumption purchased from Green Power approved renewable energy sources. Residential and small business customers may purchase 50% or 100% of electricity from approved renewable sources.

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

**Quarter in Review:** At the end of March 2006 there were 5,070 residential and 1,679 commercial PureEnergy customers. During the Quarter ending 31 March 2006 PureEnergy residential sales amounted to 4,426 MWh, commercial sales amounted to 27,908 MWh with total sales for the Quarter 32,334 MWh.

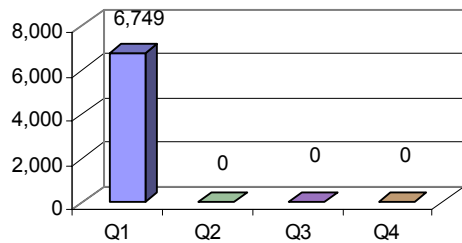
**‘New’ Green Power purchases this Quarter:** Foreshore Park, John Cox, Singleton I & II and Sydney Superdome Solar, Koorangang Is and Woolnorth Tasmania Wind Farms, Lucas Heights I & II, Wyndham and Mornington Power Stations, Wivenhoe Mini Hydro, Stapylton I and Suntown, Molendinar, Reedy Creek, South Johnstone, Tully and Proserpine Biomass.

**Contact EnergyAustralia:** On 13 15 35, or visit [www.energy.com.au](http://www.energy.com.au).

## Quarter in Review

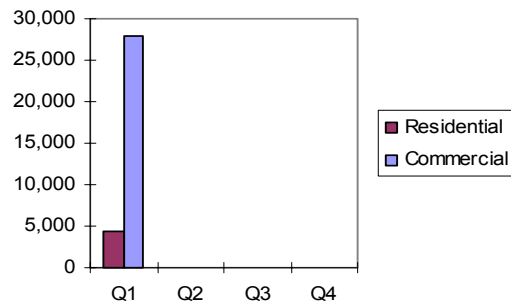
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



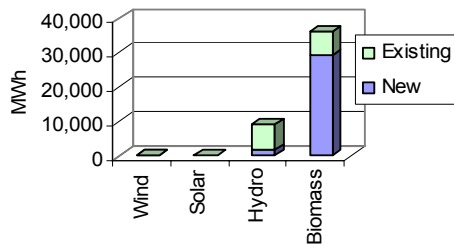
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	159.1	<b>159.1</b>
Solar	1.9	161.2	<b>163.0</b>
Hydro	7,444.1	1,549.6	<b>8,993.7</b>
Biomass	6,836.3	29,266.2	<b>36,102.5</b>
<b>Total</b>	<b>14,282.3</b>	<b>31,136.0</b>	<b>45,418.3</b>

New Purchased: 31,136 MWh  
Existing Purchased: 14,282.3 MWh



## EA – IPR Retail Partnership GreenSaver

The EA-IPR Retail Partnership, trading as EnergyAustralia, is a 50:50 joint venture between EnergyAustralia and International Power. EA-IPR Retail Partnership launched GreenSaver on 5 September 2005. GreenSaver is a 12.5% Green Power accredited product.



**Availability:** Residential customers in Victoria and South Australia.

**Quarter in Review:** At the end of March 2006 there were 26,671 residential GreenSaver customers. During the Quarter ending 31 March 2006 GreenSaver sales amounted to 2,331 MWh.

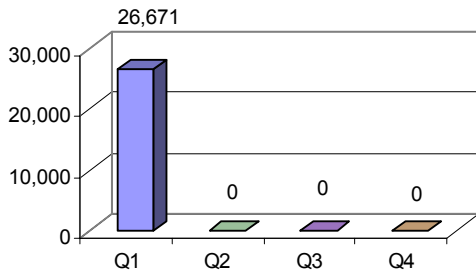
**'New' Green Power purchases this Quarter:** Invicta Sugar Mill Upgrade.

**Contact EnergyAustralia:** On 13 15 35, or visit [www.energy.com.au](http://www.energy.com.au).

## Quarter in Review

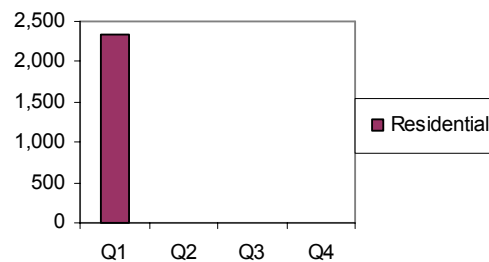
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



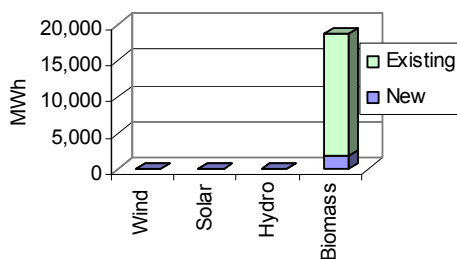
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing Green Power Purchased this Quarter by Generation Type (MWh)



New Purchased: 1,864.6 MWh

Existing Purchased: 16,781.3 MWh

Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	0.0	0.0
Solar	0.0	0.0	0.0
Hydro	0.0	0.0	0.0
Biomass	16,781.3	1,864.6	18,645.9
<b>Total</b>	<b>16,781.3</b>	<b>1,864.6</b>	<b>18,645.9</b>

## EA – IPR Retail Partnership GreenSaver Premium

The EA-IPR Retail Partnership, trading as EnergyAustralia, is a 50:50 joint venture between EnergyAustralia and International Power. EA-IPR Retail Partnership launched GreenSaver Premium on 5 September 2005. GreenSaver Premium is a 100% Green Power accredited product.



**Availability:** Residential customers in Victoria and South Australia.

**Quarter in Review:** At the end of March 2006 there were 8 residential GreenSaver Premium customers. During the Quarter ending 31 March 2006 GreenSaver sales amounted to 6 MWh.

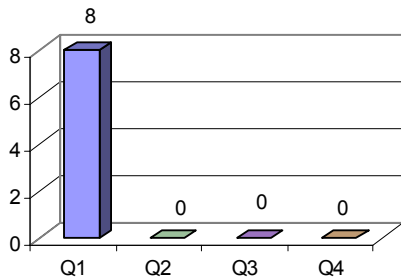
**'New' Green Power purchases this Quarter:** Invicta Sugar Mill Upgrade.

**Contact EnergyAustralia:** On 13 15 35, or visit [www.energy.com.au](http://www.energy.com.au).

## Quarter in Review

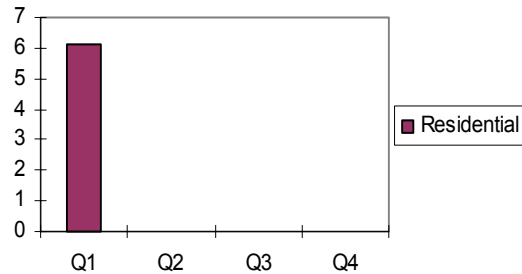
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



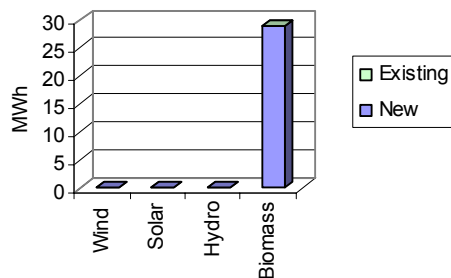
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>i</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	0.0	0.0
Solar	0.0	0.0	0.0
Hydro	0.0	0.0	0.0
Biomass	0.0	29.0	29.0
<b>Total</b>	<b>0.0</b>	<b>29.0</b>	<b>29.0</b>

New Purchased: 29.0 MWh  
Existing Purchased: 0 MWh

## Clean Energy from Ergon Energy



**Availability:** Residential customers within Ergon Energy's franchise area of regional Queensland and Ergon Energy's contestable business customers in Queensland, NSW, the ACT and Victoria.

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

**Commercial Customer Options:** Choose to allocate anywhere between 2.5% to 100% of electricity consumption to Clean Energy from Ergon Energy.

**Quarter in Review:** At the end of March 2006 there were 28,989 residential and 756 commercial Clean Energy customers. During the Quarter ending 31 March 2006 Clean Energy residential sales amounted to 2,985 MWh, commercial sales amounted to 1,062 MWh with total sales for the Quarter 4,047 MWh.

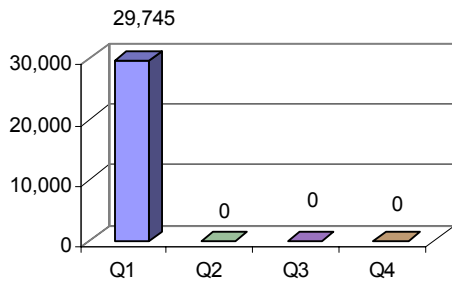
**'New' Green Power purchases this Quarter:** Windy Hill Wind Farm, Koombaloo Hydro and Eastern Creek Landfill.

**Contact Ergon Energy:** On 13 10 46, or visit [www.ergon.com.au](http://www.ergon.com.au).

## Quarter in Review

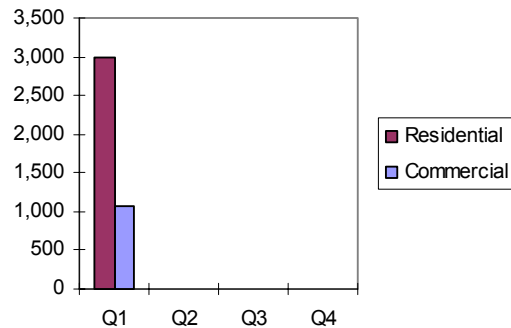
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



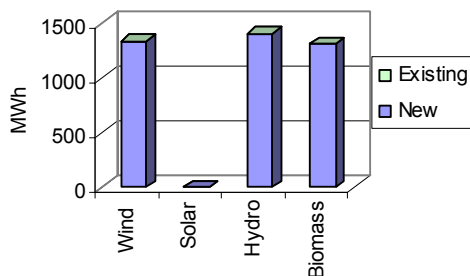
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales<sup>ii</sup> (MWh)



### Green Power Purchases

New and Existing<sup>i</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	1,337.0	1,337.0
Solar	0.0	0.0	0.0
Hydro	0.0	1,406.0	1,406.0
Biomass	0.0	1,304.0	1,304.0
<b>Total</b>	<b>0.0</b>	<b>4,047.0</b>	<b>4,047.0</b>

New Purchased: 4,047 MWh  
Existing Purchased: 0 MWh



## Clean Energy Plus from Ergon Energy



**Availability:** Offered exclusively to contestable business customers in Queensland, NSW, the ACT and Victoria. 'Clean Energy Plus from Ergon Energy' is the 100% accredited Green Power product offered by Ergon Energy.

**Commercial Customer options:** Choose to allocate anywhere between 2.5% to 100% of electricity consumption to Clean Energy Plus from Ergon Energy.

**Quarter in Review:** At the end of March 2006 there were three Clean Energy Plus customers. During the Quarter ending 31 March 2006 Clean Energy Plus sales amounted to 1,140 MWh.

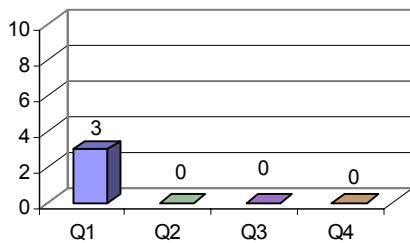
**'New' Green Power purchases this Quarter:** Windy Hill Wind Farm, Tinaroo Hydro and Eastern Creek Landfill.

**Contact Ergon Energy:** On 13 10 46, or visit [www.ergon.com.au](http://www.ergon.com.au).

## Quarter in Review

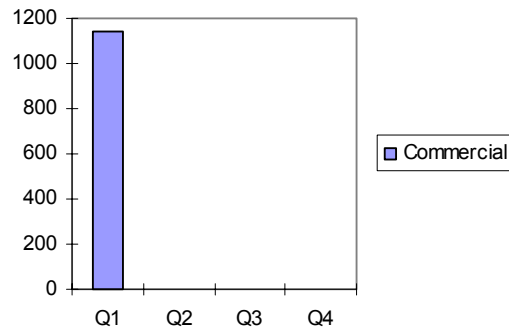
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



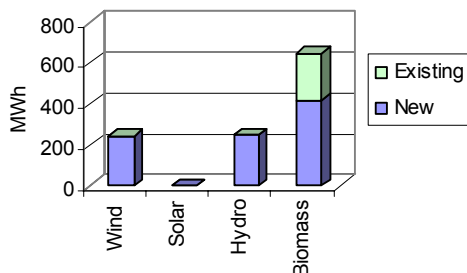
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	244.0	244.0
Solar	0.0	0.0	0.0
Hydro	0.0	248.0	248.0
Biomass	228.0	420.0	648.0
<b>Total</b>	<b>228.0</b>	<b>912.0</b>	<b>1,140.0</b>

New Purchased: 912 MWh  
Existing Purchased: 228 MWh



## Integral Energy Hampton Park Wind



**Availability:** NSW residential customers and small retail business customers with basic meters. Please note that Integral Energy is currently unable to offer this product to customers located in the Country Energy franchise area.

**Residential Customer Options:** Choose to have 20%, 50% or 100% of electricity (excluding off peak) matched with renewable energy from the Hampton Wind Park near Lithgow.

**Quarter in Review:** At the end of March 2006 there were 153 Hampton Wind Park customers. During the Quarter ending 31 March 2006 Hampton Wind Park sales amounted to 101 MWh.

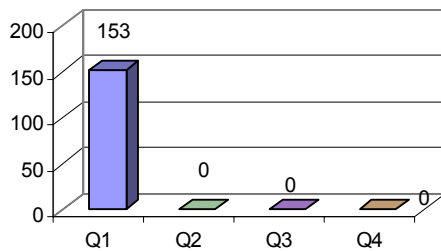
**'New' Green Power purchases this Quarter:** Hampton Wind Park.

**Contact Integral Energy:** On 131 002 or visit [www.integral.com.au](http://www.integral.com.au).

## Quarter in Review

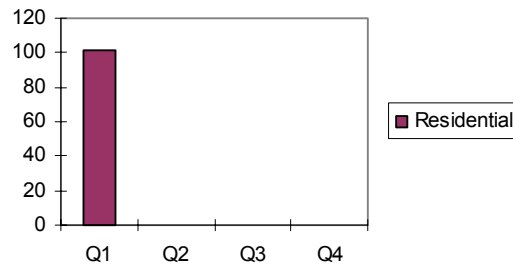
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



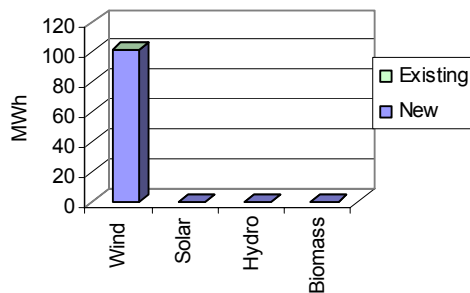
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>i</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	101.1	<b>101.1</b>
Solar	0.0	0.0	<b>0.0</b>
Hydro	0.0	0.0	<b>0.0</b>
Biomass	0.0	0.0	<b>0.0</b>
<b>Total</b>	<b>0.0</b>	<b>101.1</b>	<b>101.1</b>

New Purchased: 101.1 MWh

Existing Purchased: 0 MWh



# Integral Energy Wyuna Water



**Availability:** NSW residential customers and small retail business customers with basic meters. Please note that Integral Energy is currently unable to offer this product to customers located in the Country Energy franchise area.

**Residential Customer Options:** Choose to have 20%, 50% or 100% of electricity (excluding off peak) matched with renewable energy from the Wyuna Water hydro-electric generator.

**Quarter in Review:** At the end of March 2006 there were 772 residential and 47 commercial Wyuna Water customers. During the Quarter ending 31 March 2006 Wyuna Water residential sales amounted to 444 MWh, commercial sales amounted to 171 MWh with total sales for the Quarter 615 MWh.

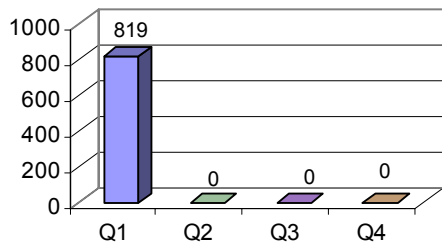
**'New' Green Power purchases this Quarter:** Wyuna Water.

**Contact Integral Energy:** On 131 002 or visit [www.integral.com.au](http://www.integral.com.au).

## Quarter in Review

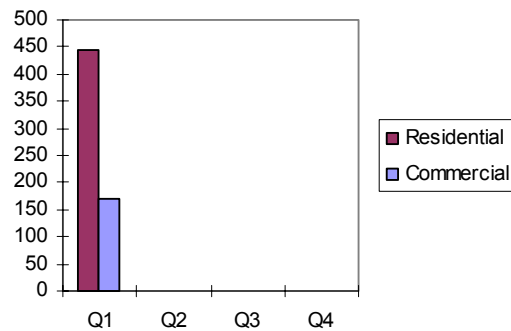
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



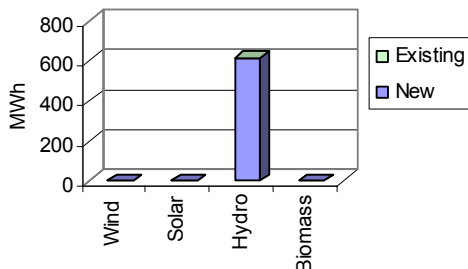
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	0.0	0.0
Solar	0.0	0.0	0.0
Hydro	0.0	615.5	615.5
Biomass	0.0	0.0	0.0
<b>Total</b>	<b>0.0</b>	<b>615.5</b>	<b>615.5</b>

New Purchased: 615.5 MWh  
Existing Purchased: 0 MWh



# Integral Energy Business Green Power



**Availability:** Large commercial consumers in NSW.

**Commercial Customer Options:** Source a portion of electricity consumption from a range of Green Power approved renewable sources (currently solar, wind and hydro).

**Quarter in Review:** At the end of March 2006 there were 530 commercial Business Green customers. During the Quarter ending 31 March 2006 Business Green sales amounted to 12,406 MWh.

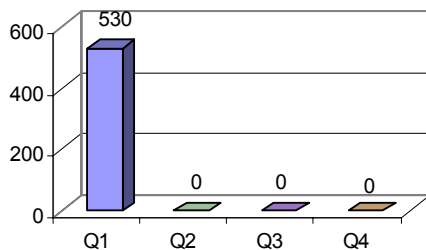
**'New' Green Power purchases this Quarter:** Hampton Wind Park, Wyuna Water and various Solar PV Systems throughout NSW.

**Contact Integral Energy:** On 131 002 or visit [www.integral.com.au](http://www.integral.com.au).

## Quarter in Review

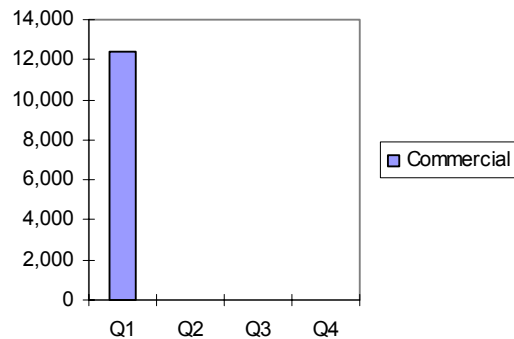
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



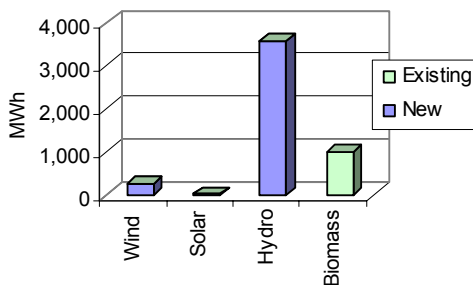
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	249.2	249.2
Solar	1.4	24.0	25.4
Hydro	0.0	3,568.9	3,568.9
Biomass	995.1	0.0	995.1
<b>Total</b>	<b>996.5</b>	<b>3,842.1</b>	<b>4,838.6</b>

New Purchased: 3,842.1 MWh  
Existing Purchased: 996.5 MWh



## Origin Energy GreenEarth



**Availability:** Residential Origin Energy customers in Victoria, NSW and South Australia and commercial customers in any competitive state in Australia.

**Residential Customer Options:** Choose to purchase the following Green Power options: 100% - GreenEarth Solar or GreenEarth Wind; 62.5% - GreenEarth Extra; 25% - GreenEarth (Victoria and South Australia) or 12.5% - GreenEarth (NSW).

**Commercial Customer Options:** Negotiate a percentage of Green Power to suit individual needs.

**Quarter in Review:** At the end of March 2006 there were 73,228 residential and 1,298 commercial GreenEarth customers. During the Quarter ending 31 March 2006 GreenEarth residential sales amounted to 21,222 MWh, commercial sales amounted to 9,362 MWh with total sales for the Quarter 30,584 MWh.

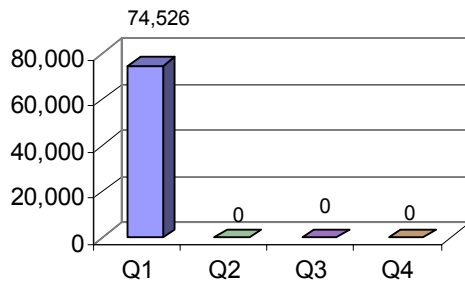
**'New' Green Power purchases this Quarter:** Challicum Hills, Codrington and Toora Wind Farms in Victoria and Queen Victoria Market Solar.

**Contact Origin Energy:** On 13 24 63 or visit [www.originenergy.com.au](http://www.originenergy.com.au)

## Quarter in Review

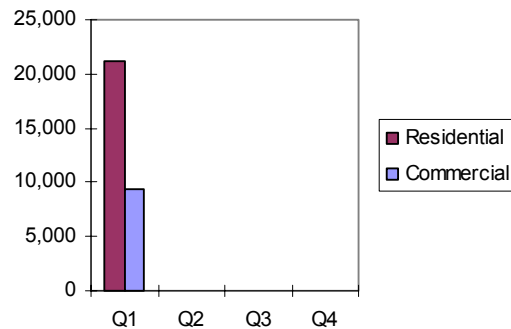
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



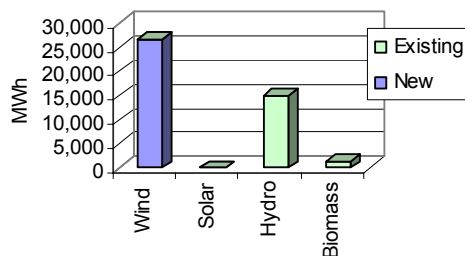
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	26,674.0	<b>26,674.0</b>
Solar	0.0	74.0	<b>74.0</b>
Hydro	15,042.0	0.0	<b>15,042.0</b>
Biomass	1,456.0	0.0	<b>1,456.0</b>
<b>Total</b>	<b>16,498.0</b>	<b>26,748.0</b>	<b>43,246.0</b>

New Purchased: 26,748 MWh  
Existing Purchased: 16,498 MWh



## Origin Energy EcoSaver



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

**Quarter in Review:** At the end of March 2006 there were 4,441 residential EcoSaver customers. During the Quarter ending 31 March 2006 EcoSaver sales amounted to 2,065 MWh.

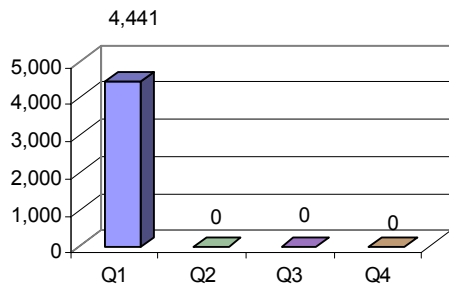
**'New' Green Power purchases this Quarter:** Challicum Hills, Codrington and Toora Wind Farms in Victoria.

**Contact Origin Energy:** On 13 24 63 or visit [www.originenergy.com.au](http://www.originenergy.com.au).

## Quarter in Review

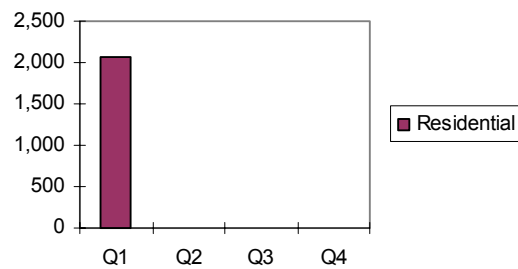
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



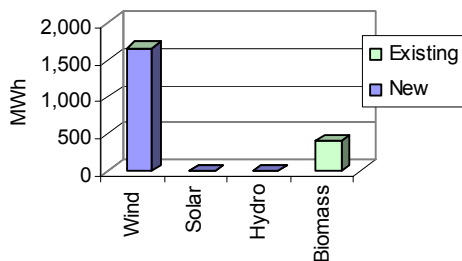
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	1,652.0	<b>1,652.0</b>
Solar	0.0	0.0	<b>0.0</b>
Hydro	0.0	0.0	<b>0.0</b>
Biomass	413.0	0.0	<b>413.0</b>
<b>Total</b>	<b>413.0</b>	<b>1,652.0</b>	<b>2,065.0</b>

New Purchased: 1,652 MWh  
Existing Purchased: 413 MWh



## Origin Energy EcoPower



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

**Quarter in Review:** At the end of March 2006 there were 145 residential and 8 commercial EcoPower customers. During the Quarter ending 31 March 2006 EcoPower residential sales amounted to 97 MWh, commercial sales amounted to 65 MWh with total sales for the Quarter 162 MWh.

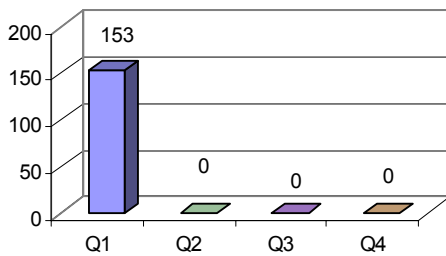
**'New' Green Power purchases this Quarter:** Challicum Hills, Codrington and Toora Wind Farms in Victoria.

**Contact Origin Energy:** On 13 24 63 or visit [www.originenergy.com.au](http://www.originenergy.com.au).

## Quarter in Review

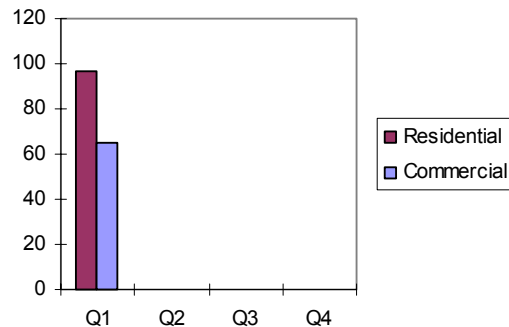
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



### GREEN POWER SALES

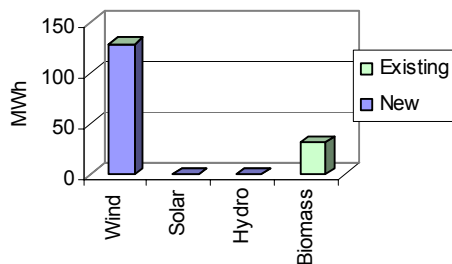
Quarterly and Year to Date (YTD) Green Power Sales (MWh)



## Green Power Purchases

### GREEN POWER PURCHASES

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	129.0	<b>129.0</b>
Solar	0.0	0.0	<b>0.0</b>
Hydro	0.0	0.0	<b>0.0</b>
Biomass	32.0	0.0	<b>32.0</b>
<b>Total</b>	<b>32.0</b>	<b>129.0</b>	<b>161.0</b>

New Purchased: 129 MWh  
Existing Purchased: 32 MWh



## TRUenergy green



**Availability:** Residential and commercial customers in Victoria, South Australia and NSW.

**Residential Customer Options:** Choose to purchase one of three Green Energy products including TRUenergy Planet and TRUenergy Planet Plus, sourced from a combination of 'new' and 'existing' renewable energy, or TRUenergy Wind Power sourced from 100% 'new' wind energy.

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

**Quarter in Review:** At the end of March 2006 there were 18,069 residential and 795 commercial TRUenergy Green customers. During the Quarter ending 31 March 2006 TRUenergy Green residential sales amounted to 2,259 MWh, commercial sales amounted to 2,298 MWh with total sales for the Quarter 4,557 MWh.

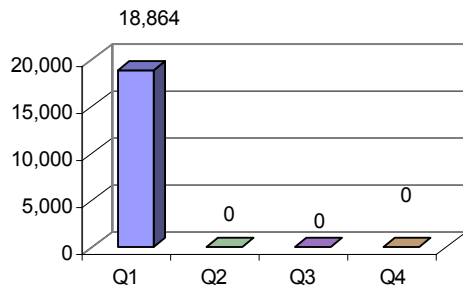
**'New' Green Power purchases this Quarter:** Berwick Landfill Upgrade and Wattle Point and Cathedral Rocks Wind Farms.

**Contact TRUenergy:** On 133 466 or visit <http://www.truenergy.com.au/>

## Quarter in Review

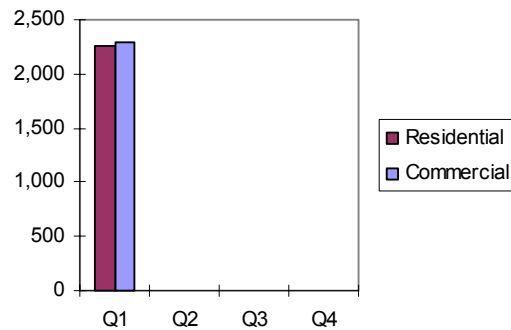
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



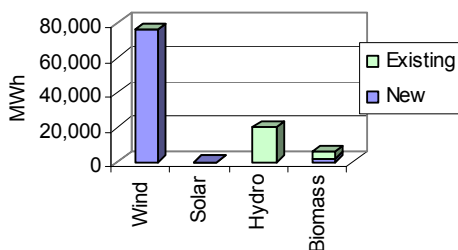
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	76,230.0	<b>76,230.0</b>
Solar	0.0	0.0	<b>0.0</b>
Hydro	19,802.6	0.0	<b>19,802.6</b>
Biomass	4,127.4	2,032.9	<b>6,160.3</b>
<b>Total</b>	<b>23,930.1</b>	<b>78,262.9</b>	<b>102,193.0</b>

New Purchased: 78,262.9 MWh  
Existing Purchased: 23,930.1 MWh

## Synergy NaturalPower



**Availability:** Synergy’s residential, business and government customers located on Synergy’s South West Interconnected System in Western Australia.

**Residential Customer Options:** Choose to purchase 25%, 50%, 75% or 100% NaturalPower.

**Commercial Customer Options:** Choose to purchase 5%, 10%, 25%, 50%, 75% or 100% NaturalPower. Other percentages can be negotiated for large contract commercial customers.

**Quarter in Review:** At the end of March 2006 there were 1,172 residential and 107 commercial NaturalPower customers. During the Quarter ending 31 March 2006 NaturalPower residential sales amounted to 1,010 MWh, commercial sales amounted to 2,870 MWh with total sales for the Quarter 3,880 MWh.

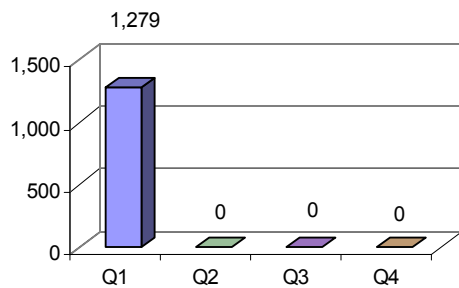
**‘New’ Green Power purchases this quarter:** Albany Wind Farm and Rockingham Photovoltaic System.

**Contact Synergy:** On 13 13 53, or visit: [www.synergyenergy.com.au](http://www.synergyenergy.com.au).

## Quarter in Review

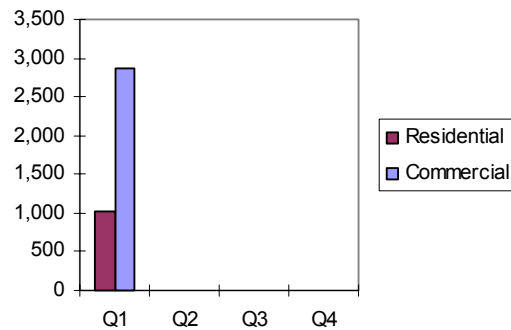
### GREEN POWER CUSTOMERS

Total Green Power Customers Per Quarter



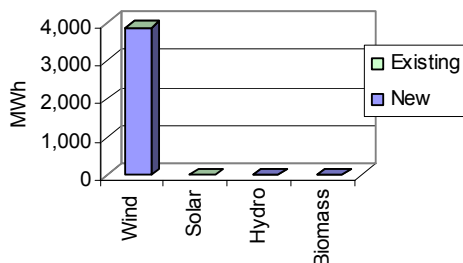
### GREEN POWER SALES

Quarterly and Year to Date (YTD) Green Power Sales (MWh)



### Green Power Purchases

New and Existing<sup>1</sup> Green Power Purchased this Quarter by Generation Type (MWh)



Year to Date Green Power Purchased by Generation Type (MWh)

Generation Type	Existing (MWh)	New (MWh)	Total (MWh)
Wind	0.0	3,872.9	3,872.9
Solar	7.0	0.7	7.7
Hydro	0.0	0.0	0.0
Biomass	0.0	0.0	0.0
<b>Total</b>	<b>7.0</b>	<b>3,873.6</b>	<b>3,880.6</b>

New Purchased: 3,873.6 MWh  
Existing Purchased: 7 MWh



## Appendix A – Major Generator Types

### SOLAR PHOTOVOLTAIC AND SOLAR THERMAL ELECTRIC SYSTEMS

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 very versatile and can be mounted in a variety of sizes and applications such as on building roofs, roadside emergency phones or in solar powered calculators.

Solar thermal systems use the sun's heat to generate electricity, usually by heating a fluid such as water and using it to drive a turbine. Such systems are not common in Australia.

### WIND TURBINES AND WIND FARMS

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 POWER STATIONS

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 classified as 'green'.

### BIOMASS-FIRED GENERATORS

Methane generated by the decomposition of biomass resources (putrescible 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 Green Power 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 likely to be generally acceptable under Green Power. However, utilisation of any materials (including wastes) from high conservation value forests such as old growth forests is not acceptable.

## ENDNOTES

- i
- A 'new' Green Power 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 or after launch of the Green Power Product (whichever is earlier)
- An 'existing' Green Power 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.