



# GreenPower 2023 Quarterly Report

Quarter 4 |  
1 October to 31 December 2023



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This report provides stakeholders with updates on GreenPower. GreenPower is accredited renewable electricity and can be purchased by households and businesses through most Australian energy retailers and a range of other accredited GreenPower Providers.

The first section of the report provides information about GreenPower. This is followed by breakdowns of GreenPower sales by each Provider.

The period covered in this report is the fourth quarter of the 2023 settlement period for GreenPower from 1 October 2023 to 31 December 2023.

The quarterly reports are not audited and therefore data may not be accurate. For audited customer numbers and sales, please refer to the annual audit reports published at [www.greenpower.gov.au/about-greenpower/audits-and-reports/annual-audits](http://www.greenpower.gov.au/about-greenpower/audits-and-reports/annual-audits)

This report, as well as additional information about GreenPower, is available on the GreenPower website at [www.greenpower.gov.au](http://www.greenpower.gov.au)

## Executive Summary

### Quarter in review: 1 September 2023 to 31 December 2023

GreenPower Products were offered by 36 GreenPower Providers nationally in the fourth quarter of 2023.

The figures contained in this quarterly report are unaudited and may be subject to revision. Final, audited figures are published in the annual audit report each year. The annual audit report for 2023 will be made available on the GreenPower website in Q3 2024.

Below is a breakdown of total GreenPower customer numbers and GreenPower sales (MWh) made in Quarter 4 of 2023, between residential and business customers, and by the state or territory in which GreenPower customers are based.

Table 1: Quarter 4 snapshot of customers and sales

State/ Territory	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
ACT	5,330	278	2,924	2,529
NSW	42,331	20,696	23,512	191,885
NT	2	4	2	34
QLD	54,842	8,516	17,553	53,695
SA	11,200	2,008	3,933	15,051
TAS	40	21	41	668
VIC	34,042	6,761	17,104	98,293
WA	4,455	1,319	2,387	30,372
<b>Total</b>	<b>152,242</b>	<b>39,536</b>	<b>67,456</b>	<b>385,155</b>

## GreenPower customer and sales trends

Figure 1: Total GreenPower residential and business customers compared to previous quarters

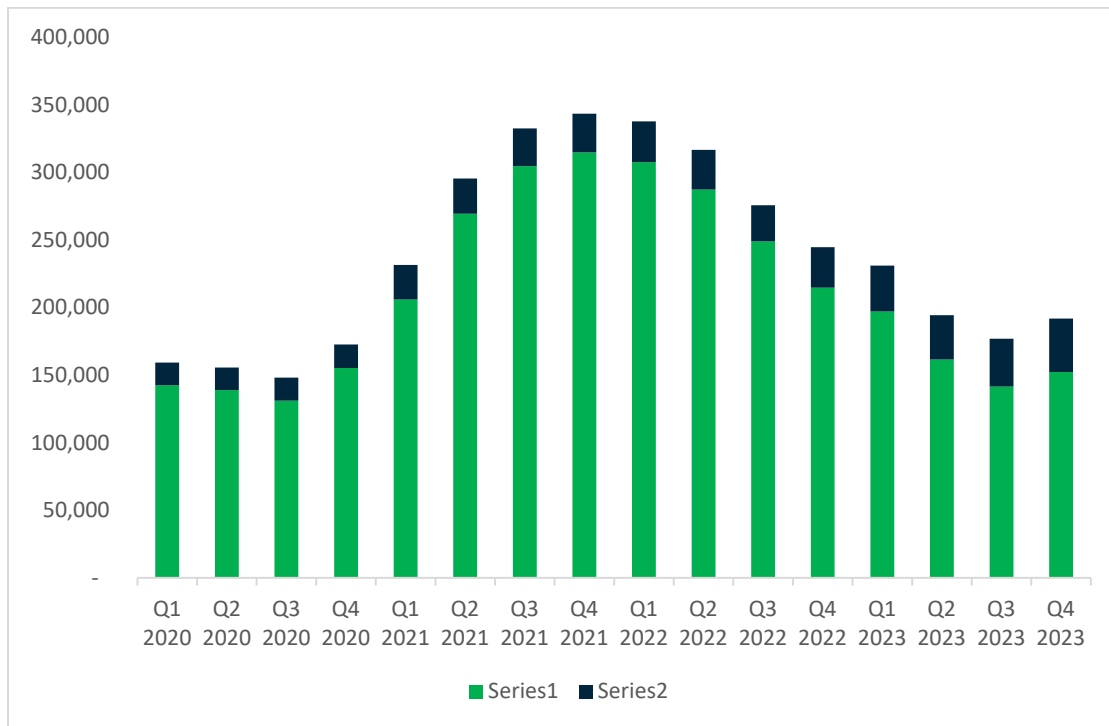
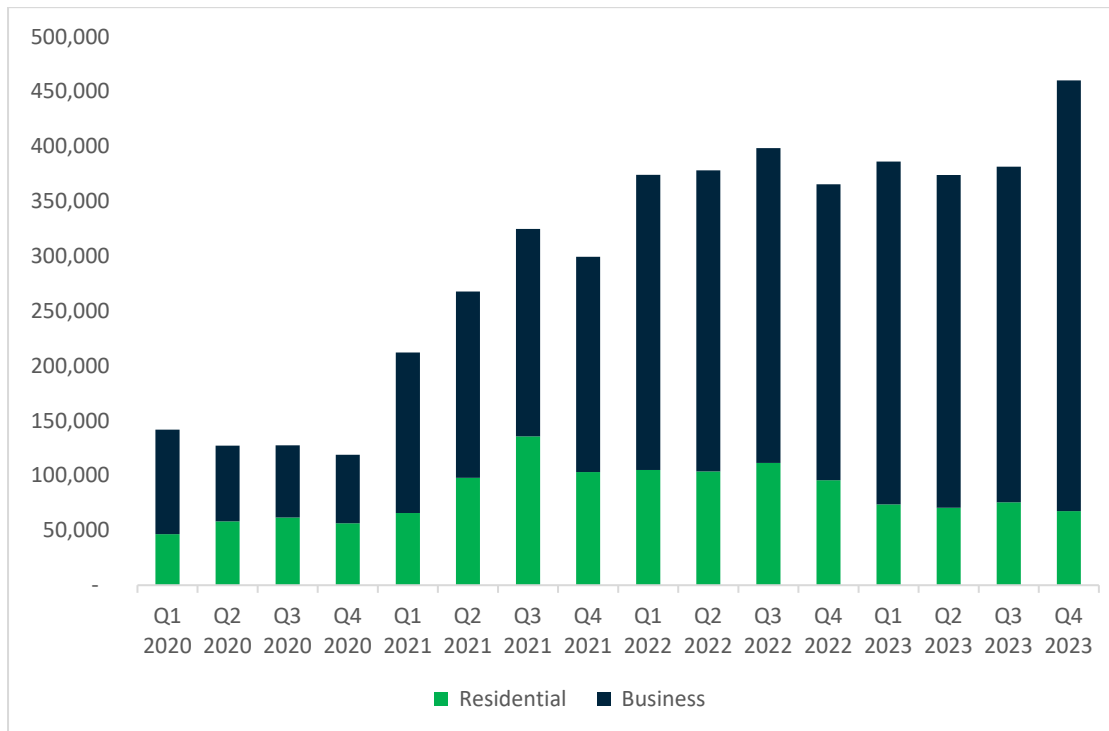


Figure 2: Residential and business GreenPower sales (MWh) compared to previous quarters



## About GreenPower

GreenPower is 100% renewable electricity and can be purchased by households and businesses through most Australian energy retailers and a range of other accredited GreenPower Providers. The National GreenPower Accreditation Program is managed by the NSW Government on behalf of the National GreenPower Steering Group, a collaboration of Australian state and territory governments.

### GreenPower Providers and Products

Most energy providers throughout Australia offer at least one accredited GreenPower Product. Residential and business customers can choose to buy a GreenPower Product offered by any GreenPower Provider which is accredited to sell GreenPower in their state or territory.

The list of GreenPower Providers and where they are licensed to sell their GreenPower Products is available on the GreenPower website at [www.greenpower.gov.au/get-greenpower/find-provider](http://www.greenpower.gov.au/get-greenpower/find-provider)

The three main types of GreenPower Products offered are:

1. **consumption based products** where the customer nominates the level of GreenPower purchased according to a nominated percentage of their total electricity consumption. Consumption based products are part of the customer's electricity retail contract.
2. **'block' based products** where the customer purchases a fixed kWh block of GreenPower that is not directly linked to their consumption. For residential customers, the minimum block is the equivalent of 10% of average household electricity consumption as defined in the [GreenPower Program Rules](#). Block based products are part of the customer's electricity retail contract.
3. **'decoupled' GreenPower** generally for business customers that wish to purchase GreenPower separately to their electricity contract. A GreenPower Provider can be contracted to purchase and surrender the equivalent number of GreenPower Large-scale Generation Certificates (LGCs) from eligible generation sources to meet the customer's electricity consumption, or for a proportion of the total consumption. This could include GreenPower Connect and GreenPower Corporate Direct products.

## Breakdown of GreenPower customer numbers and sales (MWh)

Table 2: Quarter 4 breakdown of residential and business customers and sales (MWh)

Retailers	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
Actew AGL	4,057	178	2,212	941
ACXargyle (Green Energy Exchange)		19		4,622
AGL	2,720	4,725	1,643	36,254
Alinta Energy Retail Sales		115		10,618
Alinta Sales		101		5,686
Amber Electric	833	24	758	57
Australia Pacific Airports (Melbourne)		14		746
CovaU Energy	421	59	153	1,692
Delta Electricity		8		3,530
Diamond Energy	1,347	83	1,631	1,027
Discover Energy	14	2	10	-
Dodo Power and Gas	727	2	202	-
Energy Locals	5,078	218	3,513	560
EnergyAustralia	9,884	1,054	5,027	19,526
Ergon Energy	20,768	1,473	3,550	4,627
Flow Power	268	71	297	7,273
Genuity Retail				
Iberdrola Australia Energy Markets	-	67	-	7,372
LUMO Energy (SA)	155	5	94	1
LUMO Energy Australia	323	4	42	-
Momentum Energy	7,246	762	2,068	20,700
Nectr	797		921	
Next Business Energy	60	366	130	2,926



<b>Retailers</b>	<b>Residential customers</b>	<b>Business customers</b>	<b>Residential sales (MWh)</b>	<b>Business sales (MWh)</b>
Origin Energy	74,974	11,681	28,227	133,629
OVO Energy	2,515		2,268	
Powershop Australia	4,815	448	3,429	4,763
ReAmped Energy	262	11	135	30
Red Energy	5,218	539	6,519	26,479
Rimfire Energy	2	4	2	34
Shell Energy		16,192		64,822
Simply Energy	4,434	75	1,651	852
SmartestEnergy Australia		10		3,813
Stanwell Corporation		2		614
Synergy	4,455	1,208	2,387	23,736
Tango Energy	687	59	493	5,089
WINconnect	182	23	90	491

Table 3: GreenPower accredited product list in 2023

Provider	Product	Jurisdictions	Residential	Business
<b>ActewAGL</b>	GreenChoice	ACT, NSW	Yes	Yes
<b>ACXargyle (Green Energy Exchange)</b>	GreenPower	ACT, NSW, NT, QLD, SA, TAS, VIC, WA	No	Yes
<b>AGL</b>	Green Energy, Green Living, Green Spirit, Green Events, Green for Free	NSW, QLD, SA, VIC	Yes	Yes
<b>Alinta Energy Retail Sales</b>	Green Energy Agreement	NSW, QLD, SA, VIC	No	Yes
<b>Alinta WA</b>	GreenPower	WA	No	Yes
<b>Amber Electric</b>	GreenPower	NSW, VIC, QLD, SA, ACT	Yes	Yes
<b>Australia Pacific Airports (Melbourne)</b>	Melbourne Airport GreenPower Network	VIC	No	Yes
<b>Aurora Energy</b>	AuroraGreen	TAS	Yes	Yes
<b>CovaU Energy</b>	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Delta Electricity</b>	Delta GreenPower, Delta GreenPower (decoupled)	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
<b>Diamond Energy</b>	Diamond Pure Plus	NSW, QLD, SA, VIC	Yes	Yes
<b>Discover Energy</b>	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Dodo Power &amp; Gas</b>	Dodo GreenPower	NSW, QLD, SA, VIC	Yes	Yes
<b>EnergyAustralia</b>	Seene Pure Energy, PureEnergy, PureEnergy Choice, PureEnergy Decoupled	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Energy Locals</b>	Arcline by RACV, Energy Trade GreenPower, Indigo Power GreenPower, Energy Local GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Ergon Energy</b>	Clean Energy, Clean Energy Plus	QLD	Yes	Yes



Provider	Product	Jurisdictions	Residential	Business
<b>Flow Power</b>	GreenPower Active, Power Renewable, GreenPower Connect Shoalhaven Community Solar, Power Renewable Home, Power Renewable Business	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Genuity</b>	GreenPower	ACT, NSW, QLD	No	Yes
<b>Iberdrola Australia Energy Markets</b>	GreenPower, GreenPower Direct	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
<b>Lumo Energy (SA)</b>	GreenPower	SA	Yes	Yes
<b>Lumo Energy Australia</b>	GreenPower	VIC	Yes	Yes
<b>Momentum Energy</b>	Suit Yourself Electricity, Strictly Business, GreenPower, Custom GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Nectr</b>	GreenPower	NSW, QLD, SA	Yes	Yes
<b>Next Business Energy</b>	Next GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Origin Energy</b>	GreenEarth	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>OVO Energy</b>	The One Plan, The Basic Plan, The Partner Plan	NSW, QLD, SA, VIC	Yes	No
<b>Powershop</b>	GreenPower	NSW, QLD, SA, VIC	Yes	Yes
<b>ReAmped Energy</b>	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Red Energy</b>	GreenPower, Green Planet	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Rimfire Energy</b>	Rimfire Green, Rimfire Green Decoupled	NT; ACT, NSW, NT, QLD, SA, TAS, VIC, WA	Yes	Yes
<b>Shell Energy</b>	Shell GreenPower	ACT, NSW, NT, QLD, SA, TAS, VIC, WA	No	Yes
<b>Simply Energy</b>	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes

Provider	Product	Jurisdictions	Residential	Business
<b>SmartestEnergy</b>	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
<b>Stanwell</b>	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
<b>Synergy</b>	Easy Green, NaturalPower	WA	Yes	Yes
<b>Tango Energy</b>	Tango Blue, Tango Energy C&I GreenPower, Tango Green Offset	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
<b>Tilt Renewables</b>	GreenPower	VIC	No	Yes
<b>WINconnect</b>	GreenPower	NSW, QLD, SA, VIC, WA	Yes	Yes

## Rules of the Program

The *National GreenPower Accreditation Program Rules* set stringent requirements for all GreenPower Providers offering an accredited GreenPower Product. A key requirement is for GreenPower Providers to source all generation included in a GreenPower Product from accredited GreenPower Generators.

The National GreenPower Accreditation Program Rules are published on our website at [www.greenpower.gov.au/documents/greenpower-program-rules](http://www.greenpower.gov.au/documents/greenpower-program-rules)

## GreenPower Generators

Under the National GreenPower Accreditation Program, a GreenPower Generator is defined as an electricity generator, or increase in generator capacity, which was commissioned or first sold energy (whichever is earlier) after 1 January 1997, and that has been accredited by the National GreenPower Accreditation Program.

A description of the major generator types is provided in Appendix A.

For a list and an interactive map of GreenPower approved generators, please visit the GreenPower website at [www.greenpower.gov.au/our-impact/our-generators](http://www.greenpower.gov.au/our-impact/our-generators)

## GreenPower Generators accredited this quarter

Table 4: GreenPower Generators accredited in Q4 2023

Generator	CER code	Fuel Source	Capacity (MW)	Location	State
Raymond Terrace Renewable Energy Facility	BEBGNS37	Landfill gas	1.1	Raymond Terrace	NSW

## Appendix A – Major generator types

### 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 very versatile and can be mounted in a variety of sizes and applications such as on building roofs, street lights or roadside emergency phones.

### Wind turbines

Wind turbines can be used to drive a generator to create electricity. Modern wind turbines for generating electricity usually have two or three blades (up to 45m in length) and often involve dual land use, as sheep and cattle can graze around the base of the turbines. A single wind turbine may be sufficient to power up to 500 homes. Business 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 likely to be generally acceptable under GreenPower. However, utilisation of any materials (including wastes) from high conservation value forests such as old growth forests are not acceptable.

### Landfill gas

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

It is not the intention of the National GreenPower Accreditation Program to promote the development of new landfill sites at the expense of waste minimisation. However, landfill gas generation projects are considered generally suitable for inclusion in the National GreenPower Accreditation Program. Any measures undertaken to reduce their environmental impact (such as best practice NO<sub>x</sub> control) would assist the Program Manager in approving their use under the National GreenPower Accreditation Program.