



GreenPower 2023 Quarterly Report

Quarter 2 |
1 April to 30 June 2023



Contents

Executive Summary	3
Quarter in review: 1 April 2023 to 30 June 2023	3
GreenPower customer and sales trends	4
About GreenPower	5
GreenPower Providers and Products.....	5
Breakdown of GreenPower customer numbers and sales (MWh)	6
Rules of the Program.....	11
GreenPower Generators	11
GreenPower Generators accredited this quarter	11
Appendix A – Major generator types	12

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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 second quarter of the 2023 settlement period for GreenPower from 1 April 2023 to 30 June 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

This report, as well as additional information about GreenPower, is available on the GreenPower website at www.greenpower.gov.au

Executive Summary

Quarter in review: 1 April 2023 to 30 June 2023

GreenPower Products were offered by 35 GreenPower Providers nationally in the second 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 2 of 2023, between residential and business customers, and by the state or territory in which GreenPower customers are based.

Table 1: Quarter 2 snapshot of customers and sales

State/ Territory	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
ACT	3,389	87	1218	1,767
NSW	68,877	18,319	24663	119,206
NT	-	-	0	-
QLD	69,851	7,114	17216	41,326
SA	18,145	477	4242	8,707
TAS	56	35	48	934
VIC	49,307	3,507	18850	72,609
WA	4,517	1,054	2599	22,879
Total	214,142	30,593	68,836	267,428

GreenPower customer and sales trends

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

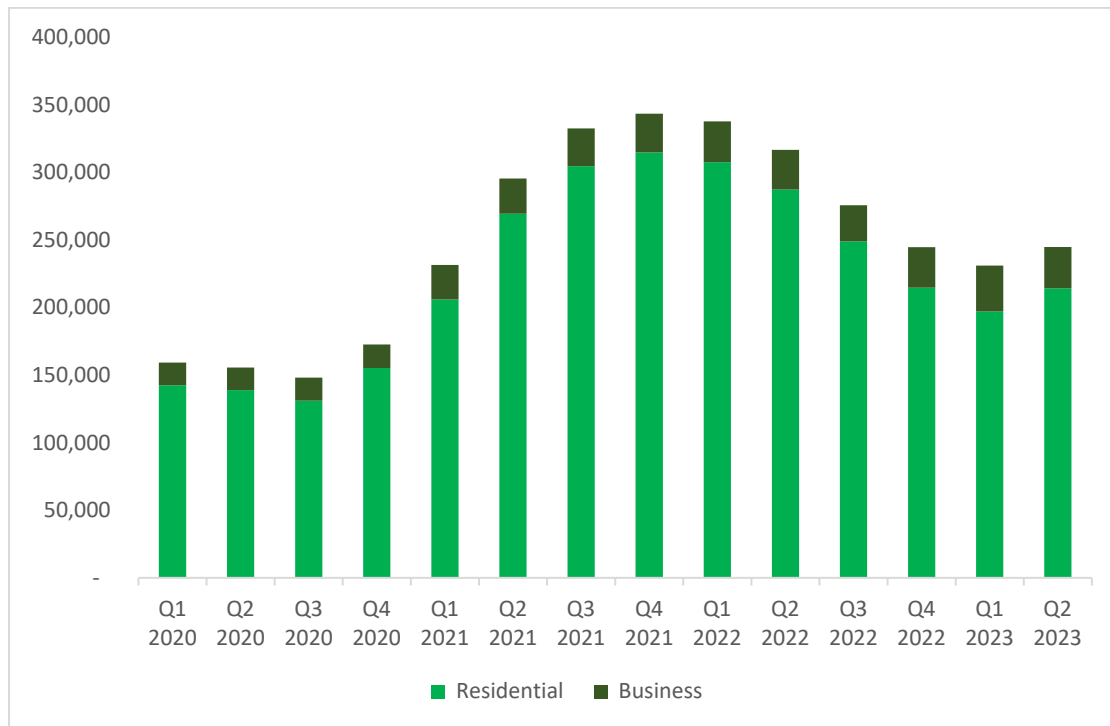
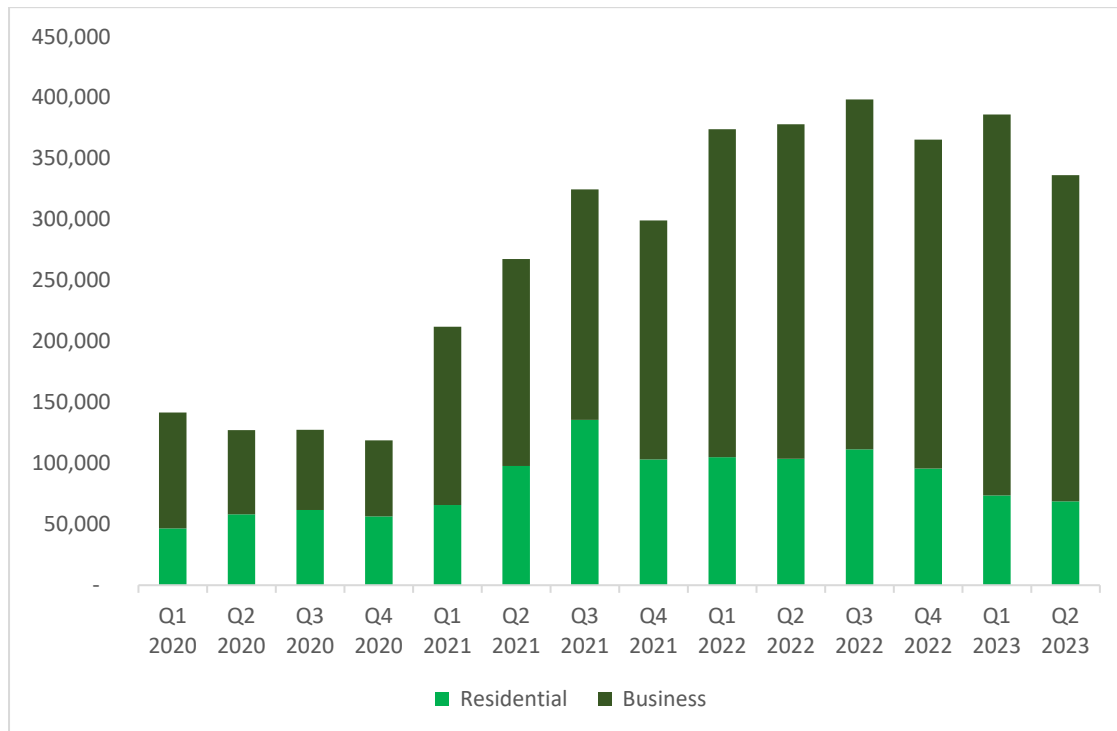


Figure 2: Residential and business GreenPower sales (MWh) compared to previous quarters



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

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 2 breakdown of residential and business customers and sales (MWh)

Retailers	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
ActewAGL				
ACXargyle		13		2,165
AGL	2,509	2,508	1,728	35,762
Alinta Energy Retail Sales	-	119	-	13,695
Alinta Sales				
Amber Electric				
Aurora Energy	8	15	7	78
CovaU Energy				
Delta Electricity		8		2,334
Diamond Energy	1,223	189	1,005	1,163
Discover Energy	20	2	14	-
Dodo Power and Gas	580	1	230	-
Energy Locals	5,295	247	4,381	1,082
EnergyAustralia	11,110	813	5,728	16,443
Ergon Energy	-	-	-	-
Flow Power	275	66	376	6,059
Iberdrola Australia Energy Markets		71		4425
LUMO Energy (SA)	134	6	28	1
LUMO Energy Australia	338	5	60	-
Momentum Energy	6,552	691	2,119	19,356
Nectr				
Next Business Energy	34	209	34	2,437
Origin Energy	146,644	8,494	35,401	83,164

Retailers	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
OVO Energy				
Powershop Australia	6,067	456	5,283	5,374
ReAmped Energy	374	16	245	26
Red Energy	4,454	424	5,046	23,307
Shell Energy		15,825		51,589
Simply Energy	3,862	102	1,682	1,243
SmartestEnergy Australia		9		1,269
Stanwell Corporation		8		1,600
Synergy	4,517	1,048	2,599	22,254
Tango Energy	715	72	795	3,524
Tilt Renewables				
WINconnect	64	6	29	77

Table 3: GreenPower accredited product list in 2023

Provider	Product	Jurisdictions	Residential	Business
ActewAGL	GreenChoice	ACT, NSW	Yes	Yes
ACXargyle	ACXargyle GreenPower	ACT, NSW, NT, QLD, SA, TAS, VIC, WA	No	Yes
AGL	Green Energy, Green Living, Green Spirit, Green Events, Green for Free	NSW, QLD, SA, VIC	Yes	Yes
Alinta Energy Retail Sales	Green Energy Agreement	NSW, QLD, SA, VIC	No	Yes
Alinta WA	GreenPower	WA	No	Yes
Amber Electric	GreenPower	NSW, VIC, QLD, SA, ACT	Yes	Yes
Aurora Energy	AuroraGreen	TAS	Yes	Yes
CovaU Energy	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Delta Electricity	Delta GreenPower, Delta GreenPower (decoupled)	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
Diamond Energy	Diamond Pure Plus	NSW, QLD, SA, VIC	Yes	Yes
Discover Energy	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Dodo Power & Gas	Dodo GreenPower	NSW, QLD, SA, VIC	Yes	Yes
EnergyAustralia	PureEnergy, PureEnergy Choice, PureEnergy Decoupled	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Energy Locals	Arcline by RACV, Energy Trade GreenPower, Indigo Power GreenPower, Energy Local GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Ergon Energy	Clean Energy, Clean Energy Plus	QLD	Yes	Yes
Flow Power	Power Active, Power Renewable, GreenPower Connect	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes

Provider	Product	Jurisdictions	Residential	Business
	Shoalhaven Community Solar			
Iberdrola Australia Energy Markets	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
Lumo Energy (SA)	GreenPower	SA	Yes	Yes
Lumo Energy Australia	GreenPower	VIC	Yes	Yes
Momentum Energy	Suit Yourself Electricity, Strictly Business, GreenPower, Custom GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Nectr	GreenPower	NSW, QLD, SA	Yes	Yes
Next Business Energy	Next GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Origin Energy	GreenEarth	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
OVO Energy	The One Plan, The Basic Plan, The Partner Plan	NSW, QLD, SA, VIC	Yes	No
Powershop	Meridian Green	NSW, QLD, SA, VIC	Yes	Yes
ReAmped Energy	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Red Energy	GreenPower, Green Planet	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Shell Energy	Shell GreenPower	ACT, NSW, NT, QLD, SA, TAS, VIC, WA	No	Yes
Simply Energy	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
SmartestEnergy	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
Stanwell	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	No	Yes
Synergy	Easy Green, NaturalPower	WA	Yes	Yes
Tango Energy	Tango Blue, GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Tilt Renewables	GreenPower	VIC	No	Yes

Provider	Product	Jurisdictions	Residential	Business
WINconnect	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

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

GreenPower Generators accredited this quarter

Table 4: GreenPower Generators accredited in Q2 2023

Generator	CER code	Generation type	Capacity (MW)	Location	State
West Wyalong Solar Farm	SRPXNSA0	Solar	90	West Wyalong	NSW
Bango Wind Farm 2	WD00NS20	Wind	84.80	Boorowa	NSW
Oaklands Junction Solar Farm	SRPVVCZ6	Solar	12.20	Tullamarine	VIC
Agility Warehouse Solar Farm	SRPVVCZ5	Solar	1.81	Tullamarine	VIC

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_x control) would assist the Program Manager in approving their use under the National GreenPower Accreditation Program.