GreenPower 2024 Quarterly Report

Quarter 1 |
1 January 2024 – 31 March 2024

GreenPower®

Contents

Publisher
GreenPower Program Manager
NSW Department of Climate Change, Energy, the Environment and Water
4 Parramatta Square,
Parramatta NSW 2150
www.greenpower.gov.au

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 of the NSW, South Australian and Victorian Governments.

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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 first quarter of the 2024 settlement period for GreenPower from 1 January 2024 to 31 March 2024.

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 January 2024 to 31 March 2024

GreenPower Products were offered by 36 GreenPower Providers nationally in the first quarter of 2024.

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 2024 will be made available on the GreenPower website in Q3 2025.

Below is a breakdown of total GreenPower customer numbers and GreenPower sales (MWh) made in Quarter 1 of 2024, between residential and business customers, and by the state or territory in which GreenPower customers are based.

Table 1: Quarter 1 snapshot of customers and sales

State/ Territory	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
ACT	5,129	299	2,461	3,253
NSW	39,552	21,411	23,229	189,964
NT	4	8	4	68
QLD	53,535	8,569	21,940	58,482
SA	10,514	2,115	3,698	21,534
TAS	43	30	26	976
VIC	33,571	7,772	14,597	121,068
WA	4,356	1,348	2,891	44,984
Total	**146,704**	**41,552**	**68,846**	**440,329**

GreenPower customer and sales trends

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

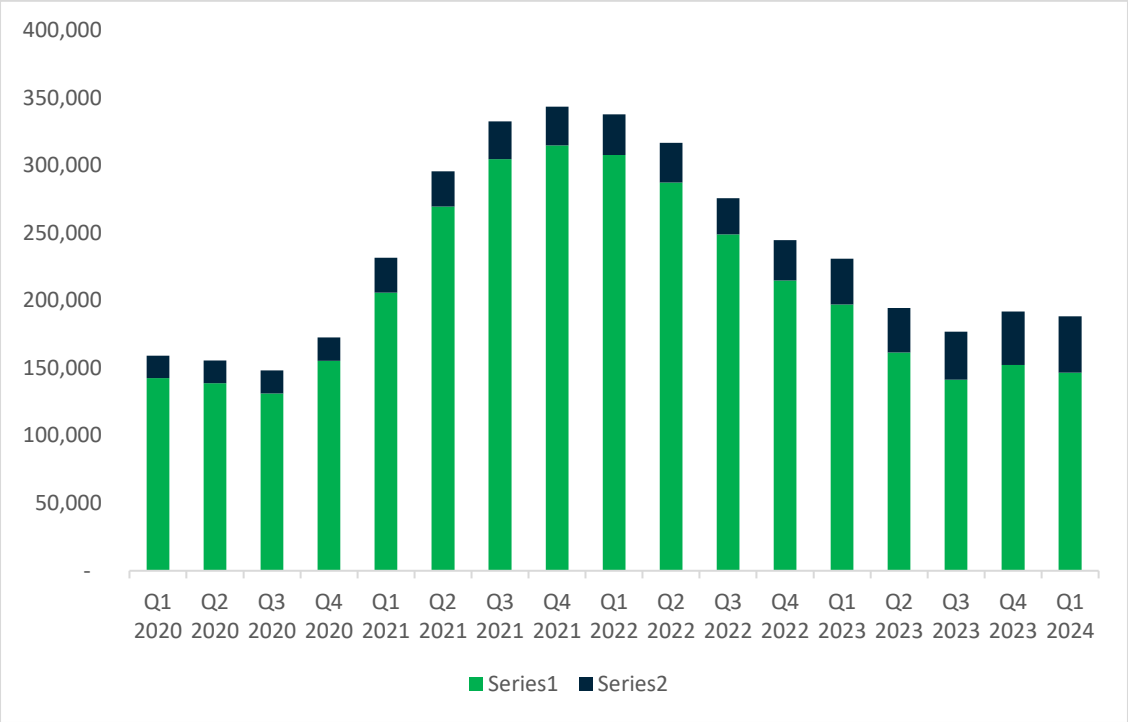
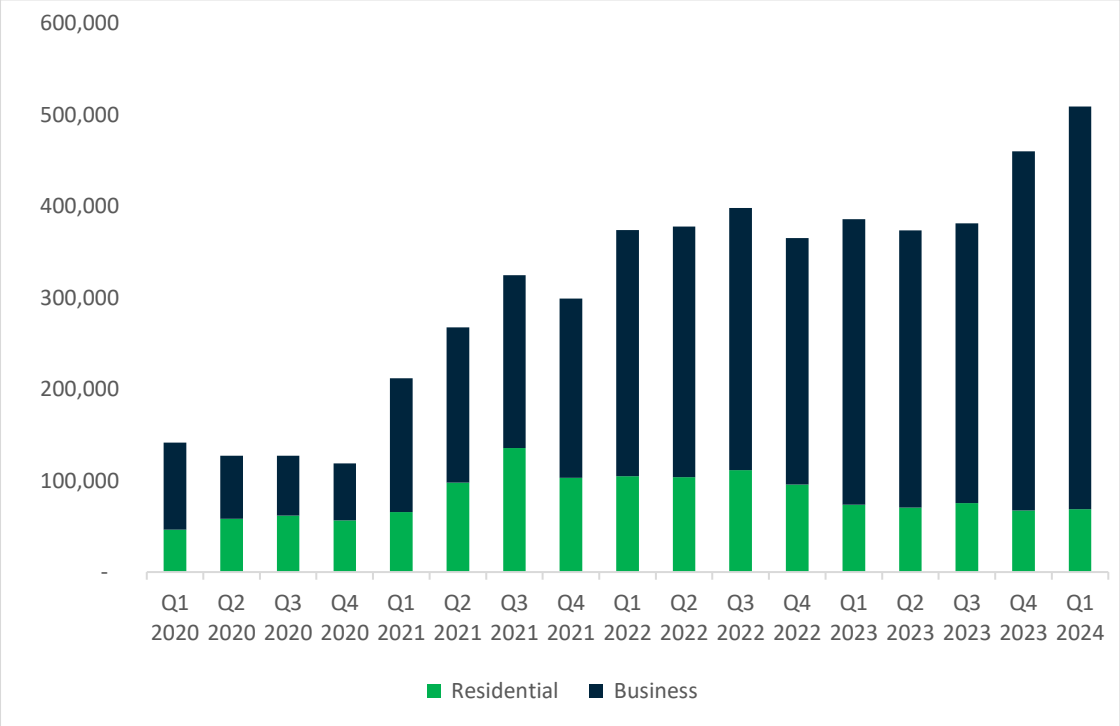


Figure 2: Residential and business GreenPower sales (MWh) compared to previous quarters



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

Retailers	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
Actew AGL	4,011	158	1,946	1,069
ACXargyle (Green Energy Exchange)	-	17	-	6,216
AGL	3,582	4,709	1,676	37,802
Alinta Energy Retail Sales	-	117	-	13,379
Alinta Sales	-	99	-	16,149
Amber Electric	956	28	947	58
Australia Pacific Airports (Melbourne)	-	48	-	1,906
Aurora Energy	-	1	-	7
CovaU Energy	732	52	301	1,597
Delta Electricity	-	22	-	1,245
Diamond Energy	1,438	105	1,152	1,815
Discover Energy	11	2	9	-
Dodo Power and Gas	749	2	180	-
Energy Locals	4,765	183	2,956	571
EnergyAustralia	9,414	1,094	4,897	18,029
ENGIE	4,204	89	1,629	1,026
Ergon Energy	21,725	1,333	3,680	5,490
Flow Power	490	295	329	11,331
Genuity Retail	-	-	-	-
Iberdrola Australia Energy Markets	-	70	-	5,049
LUMO Energy (SA)	139	5	24	1
LUMO Energy Australia	314	5	40	-
Momentum Energy	7,402	971	2,121	19,450

Retailers	Residential customers	Business customers	Residential sales (MWh)	Business sales (MWh)
Nectr	848	-	712	-
Next Business Energy	183	1,225	153	7,119
Origin Energy	67,686	12,537	31,507	94,271
OVO Energy	2,952	2	2,469	-
Pacific Blue Retail	414	51	451	158
Powershop Australia	4,668	452	3,272	4,339
Red Energy	5,140	637	5,346	37,017
Rimfire Energy	4	8	4	68
Shell Energy	-	16,101	-	100,025
SmartestEnergy Australia	-	16	-	3,599
Stanwell Corporation	-	134	-	24,841
Synergy	4,356	1,238	2,891	26,449
WINconnect	521	41	100	244

Table 3: GreenPower accredited product list in Q1 2024

Provider	Product	Jurisdictions	Residential	Business
ActewAGL	GreenChoice	ACT, NSW	Yes	Yes
ACXargyle (Green Energy Exchange)	GreenPower	ACT, NSW, NT, QLD, SA, TAS, VIC, WA	No	Yes
AGL	Green Energy, Green Living, Green Spirit, Green Events & Decoupled, Green for Free, AGL | Perth Energy GreenPower	NSW, QLD, SA, VIC, WA	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
Australia Pacific Airports (Melbourne)	Melbourne Airport GreenPower Network	VIC	No	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	Seene Pure Energy, 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

Provider	Product	Jurisdictions	Residential	Business
ENGIE	GreenPower	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Ergon Energy	Clean Energy	QLD	Yes	Yes
Flow Power	GreenPower Active, Power Renewable, GreenPower Connect Shoalhaven Community Solar, Flow Home, Power Renewable Business	ACT, NSW, QLD, SA, TAS, VIC	Yes	Yes
Genuity	GreenPower	ACT, NSW, QLD	No	Yes
Iberdrola Australia Energy Markets	GreenPower, GreenPower Direct	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, Warm Welcome	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	NSW, QLD, SA, VIC	Yes	No
Pacific Blue Retail	Pacific Blue Green100	NSW, QLD, SA, VIC	Yes	Yes
Powershop	GreenPower	NSW, QLD, SA, VIC	Yes	Yes
Red Energy	GreenPower, Green Planet	ACT, NSW, QLD, SA, VIC	Yes	Yes
Rimfire Energy	Rimfire Green, Rimfire Green Decoupled	NT; ACT, NSW, NT, QLD, SA, TAS, VIC, WA	Yes	Yes
Shell Energy	Shell GreenPower	ACT, NSW, NT, QLD, SA, TAS, VIC, WA	No	Yes

Provider	Product	Jurisdictions	Residential	Business
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
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

From 1 January 2024, the National GreenPower Accreditation Program Rules were updated to include a number of changes. These changes included: the introduction of a 15-year age limit for renewable generators participating in GreenPower (with some limited exemptions), the alignment of GreenPower and CER generator accreditation dates, and the introduction of a 27-month certificate vintage requirement on Large-scale Generation Certificates applicable to all GreenPower sales. Further information on these changes can be found on our website at https://www.greenpower.gov.au/about-greenpower/program-rules-and-accreditation/november-2023-changes

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 Q1 2024

Generator	CER code	Fuel Source	Capacity (MW)	Location	State
Goyder South Wind Farm 1A	WD00SA23	Wind	200.982	Burra	SA
Wellington North Solar Farm	SRPXNSP7	Solar	330	Bodangora	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 NOx control) would assist the Program Manager in approving their use under the National GreenPower Accreditation Program.