



National GreenPower Accreditation Program Status Report

Quarter 1: 1 January to 31 March, 2019



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National GreenPower Accreditation Program Status Report

Quarter 1: 1 January to 31 March, 2019

ISSN : 1837-5286

Acknowledgements

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

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

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2019

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National GreenPower Accreditation Program Status Report

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

The Q1 2019 settlement period is from 1 January 2019 to 31 March, 2019.

This update also includes updates for quarters 2 to 4, 2018.

The dates of the quarters are as follows:

- * *Quarter 2: 1 April to 30 June, 2018*
- * *Quarter 3: 1 July to 30 September, 2018*
- * *Quarter 4: 1 October to 31 December, 2018*
- * *Quarter 1: 1 January to 31 March, 2019*

This report, as well as additional information about GreenPower, is available on the GreenPower website.

Executive Summary

Quarter in review: 1 January to 31 March, 2019

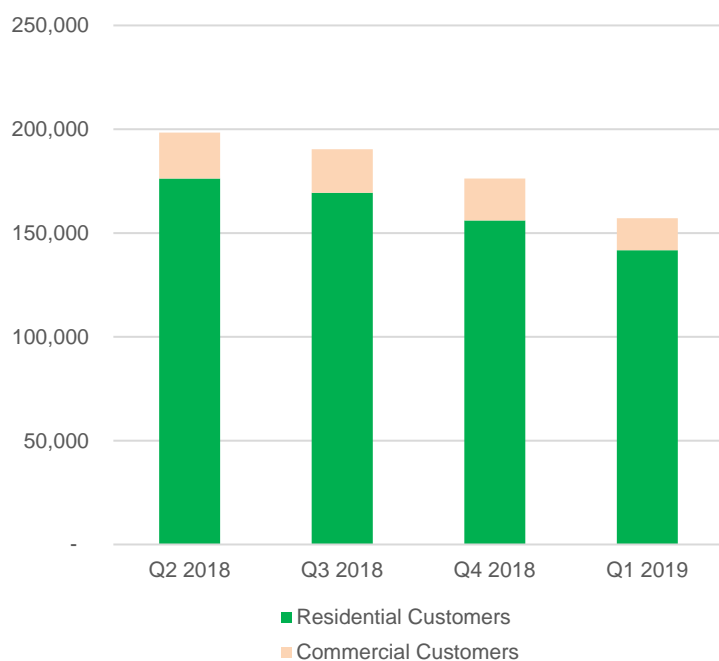
GreenPower products totaled 39 for the quarter, offered by 31 GreenPower providers. Availability and characteristics of products, sales and total customers are described in this report. The figures contained in this report are preliminary and may be subject to revision in subsequent quarterly reports.

A summary of key data, collated from retailers across the GreenPower market is provided below.

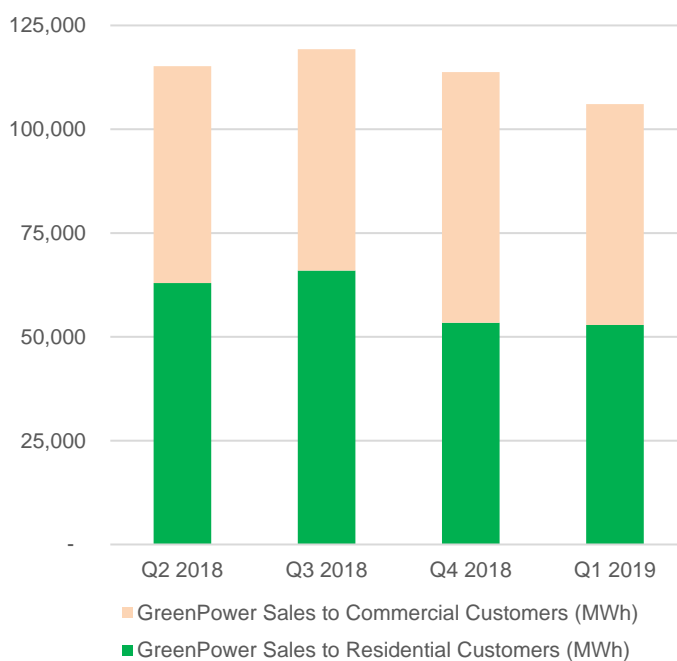
Quarterly status of National GreenPower Accreditation Program (As at 31 March 2019)

	NSW	VIC	SA	WA	QLD	TAS	ACT	NT	Total
Residential Customers	31,012	36,439	9,246	3,480	55,518	21	6,216	-	141,932
Commercial Customers	9,508	2,279	200	455	2,877	5	94	-	15,418
Total Green Power Customers	40,520	38,718	9,446	3,935	58,395	26	6,310	-	157,350
Green Power Sales to Residential Customers (MWh)	14,009	11,777	3,236	1,647	19,267	22	3,016	-	52,974
Green Power Sales to Commercial Customers (MWh)	33,977	12,977	704	678	4,243	11	968	-	53,558
Total Green Power Sales (MWh)	47,986	24,754	3,940	2,325	23,510	33	3,984	-	106,532

GreenPower customers



GreenPower sales



About the National GreenPower Accreditation Program

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

Due to its success, the program was expanded nationally through joint collaboration by participating government agencies in New South Wales (NSW), Victoria (VIC), Queensland (QLD), South Australia (SA), Australian Capital Territory (ACT), Tasmania (TAS) and Western Australia (WA) and renamed the '*National GreenPower Accreditation Program*'. In May 2000, the National GreenPower Steering Group was officially established. NSW Planning and Environment is currently appointed as the GreenPower Program Manager.

The term 'GreenPower product' refers only to the GreenPower accredited portion of any product offered by a GreenPower provider. Most energy providers throughout Australia offer at least one accredited GreenPower product. In the contestable (deregulated) markets of NSW, VIC, SA, the ACT, QLD and TAS, all residential and commercial customers can choose to buy a GreenPower product offered by any provider licensed in that State or Territory. Larger customers in WA can also choose GreenPower from licensed providers outside their franchise area.

GreenPower products are also offered by some companies that are not licensed energy providers. In these cases, the GreenPower provider offers an accredited GreenPower product separate to a customer's electricity supply.

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.
- 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.
- 3 **purchase of GreenPower to match consumption from another provider** where customers continue to purchase electricity from their default or chosen electricity supplier and a separate GreenPower provider will purchase and surrender the equivalent number of GreenPower Large-scale Generation Certificates (LGCs) from eligible generation sources to meet the customer's elected electricity consumption.

Blended GreenPower products apply when a customer purchases a level of GreenPower equivalent to less than 100 per cent of their electricity consumption. The 'backfill' or non-accredited portion of blended products is not reported on and can therefore be sourced from any type of electricity generation. The GreenPower accredited portion of a blended product must be equivalent to at least 10 per cent of a residential customer's total electricity consumption.

Rules of the Program

The National GreenPower Accreditation Program sets stringent rules 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 GreenPower approved sources.

Further information on the rules of the program is available in the *National GreenPower Accreditation Program Rules*, available on the website at www.greenpower.gov.au.

To ensure that GreenPower sales are additional to legislated renewable energy purchases through the Renewable Energy Target (RET), providers are required to transfer and surrender eligible GreenPower Large-scale Generation Certificates (LGCs) for each MWh of GreenPower generation sold as part of a GreenPower product within a settlement period.

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 January 1, 1997, and that has been accredited under the National GreenPower Accreditation Program.

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

For a list of GreenPower approved generators, please visit the GreenPower website at www.greenpower.gov.au.

New GreenPower Generators accredited

The following GreenPower generators were accredited in the quarter ending 31 March 2019. The generators' accreditation date may be outside of this quarter. You can find the accreditation date in the list of accredited generators available on the GreenPower website.

Generator	Generation type	Capacity (MW)	Location
Ripley Town Centre Solar QLD	Solar	0.48	QLD
Timboon West Wind Farm	Wind	7.20	VIC
Yawong Wind Farm	Wind	7.20	VIC
Wemen Solar Farm	Solar	88.00	VIC
St Laurence Community Services Nursing Home - Solar - VIC	Solar	0.13	VIC
Drysdale Renewable Energy Facility	Bioenergy	1.06	VIC
South Keswick Solar Farm	Solar	14.50	NSW

GreenPower Providers and Products accredited this quarter

There was one new provider that received accreditation during the quarter ending 31 March 2019, CovaU Energy, offering two GreenPower products (25% and 100%).

Data reporting status for this quarter

All the providers have submitted the quarterly data within the required timeframe.

GreenPower products offered this quarter

Retailer	Products	States offered							
		NSW	VIC	QLD	SA	WA	ACT	TAS	NT
ActewAGL	Greenchoice	R/C					R/C		
ACXargyle	GreenPower	R/C	R/C	R/C	R/C	R/C	R/C	R/C	R/C
AGL	Green Energy	R/C	R/C	R/C	R/C				
AGL	Green Events		R						
AGL	Green for Free	R	R	R	R				
AGL	Green Living	R	R	R	R				
AGL	Green Spirit	R/C	R/C	R	R				
AGL-Powerdirect	Green Direct	R/C	R/C	R/C	R/C				
Alinta Energy Retail Sales	Alinta GreenPower	C	C	C	C		C	C	
Aurora Energy	AuroraGreen							R/C	
Click Energy	Click Natural	R	R	R	R				
CovaU Energy	GreenPower	R/C	R/C						
DIAMOND ENERGY PTY LTD	Diamond Pure Plus	R/C	R/C	R/C	R/C				
Dodo Power and Gas Pty Ltd	Dodo Green Power	R	R/C	R	R				
Energy Locals	GreenPower	R/C		R/C					
EnergyAustralia	PureEnergy	R/C	R/C	R/C	R/C		R/C		
Enova Energy	GreenPower	R/C							
Ergon Energy Queensland Pty Ltd	Clean Energy			R/C					
ERM Power Retail Pty Ltd	ERM Green Energy	C	C	C	C	C	C	C	
LUMO Energy (NSW) Pty Ltd	NSW Electricity Green Energy	R/C							
LUMO Energy (QLD) Pty Ltd	Queensland Electricity Green Energy			R/C					
LUMO Energy (SA) Pty Ltd	South Australia Electricity Green Energy				R/C				
LUMO Energy Australia Pty Ltd	Victoria Electricity Green Energy		R/C						
Macquarie Bank Limited	Macquarie Bank GreenPower	C	C	C	C		C	C	
Momentum Energy Pty Ltd	Momentum Green Energy	R/C	R/C	R/C	R/C		C		
Origin Energy	GreenEarth	R/C	R/C	R/C	R/C	C	R/C	C	C
Powershop Australia Pty Ltd	Meridian Green 100	R/C	R/C	R/C					
Progressive Green	GreenPower Active		C						
Red Energy Pty Ltd	Greenpower 10%	R	C	R					
Red Energy Pty Ltd	Greenpower 100%	R/C	R/C	R/C	R		R/C		
Red Energy Pty Ltd	Greenpower 25%		C						
Simply Energy	Green@Work	C	C	C	C		C		
Simply Energy	Simply Green 100		R		R				
Simply Energy	Simply Greener		R/C		R/C				
South Pole Australia	GreenPower	R/C	R/C	R/C	R/C	R/C	R/C	R/C	R/C
Stanwell Corporation Limited	GreenPower	C							
Synergy	EasyGreen					R			
Synergy	NaturalPower					R/C			

R/C = Available to residential and commercial customers. R = Available to residential customers only. C = Available to commercial customers only.

ActewAGL

Quarter in review Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	6125	5899	5673	6110	23807
GreenPower Commercial customers	90	90	90	89	359
GreenPower Residential sales MWh	3327	2280	2083	2876	10566
GreenPower Commercial sales MWh	207	211	211	211	840

Contact ActewAGL

Phone: 13 14 93

Website: www.actewagl.com.au/greenchoice

ACXargyle

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	13	9	6	4	32
GreenPower Commercial customers	15	3	3	13	34
GreenPower Residential sales MWh	59	42	12	11	124
GreenPower Commercial sales MWh	2279	7717	1776	2089	13861

Contact ACXargyle

Phone: 03 9805 0728

Website: www.co2ex.com.au

AGL

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	4229	2278	3742	3742	13991
GreenPower Commercial customers	748	405	230	230	1613
GreenPower Residential sales MWh	1524	1326	1321	1316	5487
GreenPower Commercial sales MWh	8829	7699	6775	6772	30075

Contact AGL

Phone: 13 12 45

Website: www.agl.com.au

AGL-Powerdirect

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	17		22	22	61
GreenPower Commercial customers	276		276	276	828
GreenPower Residential sales MWh	6		5	5	16
GreenPower Commercial sales MWh	218		205	205	628

Contact AGL-Powerdirect

Phone: 1300 307 966

Website: www.powerdirect.com.au

Alinta Energy Retail Sales Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers	1	1	3	3	8
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh	9	10	35	370	424

Contact Alinta Energy Retail Sales Pty Ltd

Phone: 1800 428 110

Website: <https://www.alintaenergy.com.au/business-energy>

Aurora Energy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	22	22	22	21	87
GreenPower Commercial customers	5	5	5	5	20
GreenPower Residential sales MWh	22	43	38	22	125
GreenPower Commercial sales MWh	9	20	16	11	56

Contact Aurora Energy

Phone: 1300 132 045

Website: www.aurora.com.au

Click Energy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	356	278	239	195	1068
GreenPower Commercial customers					0
GreenPower Residential sales MWh	130	115	86	66	397
GreenPower Commercial sales MWh					0

Contact Click Energy

Phone: 1800 77 59 29

Website: www.clickenergy.com.au

CovaU Energy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers				0	0
GreenPower Commercial customers				0	0
GreenPower Residential sales MWh				0	0
GreenPower Commercial sales MWh				0	0

Contact CovaU Energy

Phone: 1300 689 866

Website: www.covau.com.au

DIAMOND ENERGY PTY LTD

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	1331	1597	1706	1345	5979
GreenPower Commercial customers	65	83	88	73	309
GreenPower Residential sales MWh	926	1285	1081	943	4235
GreenPower Commercial sales MWh	134	176	140	281	731

Contact DIAMOND ENERGY PTY LTD

Phone: 1300 838 009

Website: www.diamondenergy.com.au

Dodo Power and Gas Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	994	950	913	880	3737
GreenPower Commercial customers	4	4	4	3	15
GreenPower Residential sales MWh	382	538	367	357	1644
GreenPower Commercial sales MWh	2	2	1	1	6

Contact Dodo Power and Gas Pty Ltd

Phone: 13 36 36

Website: www.dodo.com.au

Energy Locals

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	221	253	265	428	1167
GreenPower Commercial customers	6	6	5	6	23
GreenPower Residential sales MWh	60	83	127	126	396
GreenPower Commercial sales MWh	2	2	3	3	10

Contact Energy Locals

Phone: 1300 693 637

Website: www.energylocals.com.au

EnergyAustralia

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	19119	17010	15544	14686	66359
GreenPower Commercial customers	618	575	565	550	2308
GreenPower Residential sales MWh	6325	6195	4254	3873	20647
GreenPower Commercial sales MWh	3781	4136	4295	4655	16867

Contact EnergyAustralia

Phone: 1300 363 749

Website: www.energyaustralia.com.au

Enova Energy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	192	188	185	177	565
GreenPower Commercial customers	7	7	7	6	21
GreenPower Residential sales MWh	119	124	188	122	431
GreenPower Commercial sales MWh	14	4	37	6	55

Contact Enova Energy

Phone: 02 5622 1700

Website: www.enovaenergy.com.au

Ergon Energy Queensland Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	41076	40911	39369	37125	158481
GreenPower Commercial customers	2315	2296	2256	2210	9077
GreenPower Residential sales MWh	6695	6606	6616	6422	26339
GreenPower Commercial sales MWh	1325	996	1207	1203	4731

Contact Ergon Energy Queensland Pty Ltd

Phone: 13 10 46

Website: www.ergon.com.au

ERM Power Retail Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers	12711	12329	2932	2994	30966
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh	18894	16382	21556	20498	77330

Contact ERM Power Retail Pty Ltd

Phone: 07 3020 5136

Website: www.ermpower.com.au

LUMO Energy (NSW) Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	1	1	2	1	5
GreenPower Commercial customers	0	1	2	1	4
GreenPower Residential sales MWh	0	0	0	0	0
GreenPower Commercial sales MWh	0	10	5	0	15

Contact LUMO Energy (NSW) Pty Ltd

Phone: 1300 11 5866

Website: www.lumoenergy.com.au

LUMO Energy (QLD) Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	1	1	0	0	2
GreenPower Commercial customers	0	0	0	0	0
GreenPower Residential sales MWh	0	0	0	0	0
GreenPower Commercial sales MWh	0	0	0	0	0

Contact LUMO Energy (QLD) Pty Ltd

Phone: 1300 11 5866

Website: www.lumoenergy.com.au

LUMO Energy (SA) Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	59	54	68	77	258
GreenPower Commercial customers	0	1	2	1	4
GreenPower Residential sales MWh	14	10	8	10	42
GreenPower Commercial sales MWh	0	5	2	4	11

Contact LUMO Energy (SA) Pty Ltd

Phone: 1300 11 5866

Website: www.lumoenergy.com.au

LUMO Energy Australia Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	653	545	916	682	2796
GreenPower Commercial customers	22	20	38	20	100
GreenPower Residential sales MWh	91	120	80	74	365
GreenPower Commercial sales MWh	16	25	25	23	89

Contact LUMO Energy Australia Pty Ltd

Phone: 1300 11 5866

Website: www.lumoenergy.com.au

Macquarie Bank Limited

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers	0	0	0	0	0
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh	0	0	0	0	0

Contact Macquarie Bank Limited

Phone: 02 8283 3333

Website: www.macquarie.com

Momentum Energy Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	10	10	10	9	39
GreenPower Commercial customers	56	58	46	42	202
GreenPower Residential sales MWh	5	10	7	4	26
GreenPower Commercial sales MWh	853	896	801	821	3371

Contact Momentum Energy Pty Ltd

Phone: 1800 794 824

Website: www.momentumenergy.com.au

Origin Energy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	80561	78522	67141	56559	282783
GreenPower Commercial customers	4328	4257	12754	8055	29394
GreenPower Residential sales MWh	34589	36290	28235	28321	127435
GreenPower Commercial sales MWh	12624	11752	19369	12533	56278

Contact Origin Energy

Phone: 13 24 61

Website: www.originenergy.com.au

Pacific Hydro Retail Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers					0
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh					0

Contact Pacific Hydro Retail Pty Ltd

Phone: 1800 010 648

Website: <http://www.pacifichydro.com.au/>

Powershop Australia Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	8996	9033	8803	8739	35571
GreenPower Commercial customers	196	202	205	217	820
GreenPower Residential sales MWh	4351	5038	3771	3693	16853
GreenPower Commercial sales MWh	785	872	787	660	3104

Contact Powershop Australia Pty Ltd

Phone: 1800 462 668

Website: www.powershop.com.au

Progressive Green

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers	1	1	1	1	4
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh	14	13	25	28	80

Contact Progressive Green

Phone: 1300 080 608

Website: www.progressivegreen.com.au

Red Energy Pty Ltd

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	2094	2183	2256	2280	8813
GreenPower Commercial customers	125	143	156	120	544
GreenPower Residential sales MWh	1935	2854	2507	2406	9702
GreenPower Commercial sales MWh	800	1144	1217	1386	4547

Contact Red Energy Pty Ltd

Phone: 13 18 06

Website: www.redenergy.com.au

Simply Energy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	6532	6075	5691	5370	23668
GreenPower Commercial customers	23	21	19	21	84
GreenPower Residential sales MWh	803	1020	1097	677	3597
GreenPower Commercial sales MWh	53	59	48	45	205

Contact Simply Energy

Phone: 13 88 08

Website: www.simplyenergy.com.au

South Pole Australia

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers	1	0	2	1	4
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh	150	0	726	344	1220

Contact South Pole Australia

Phone: 02 9356 3600

Website: <https://www.southpole.com/>

Stanwell Corporation Limited

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers					0
GreenPower Commercial customers	20	20	20	26	86
GreenPower Residential sales MWh					0
GreenPower Commercial sales MWh	455	442	470	724	2091

Contact Stanwell Corporation Limited

Phone: 07 3228 4424

Website: <http://stanwell.com>

Synergy

Quarter in review [Previous quarter's figures may have been adjusted from information supplied by this GreenPower provider](#)

	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Total
GreenPower Residential customers	3627	3570	3505	3480	14182
GreenPower Commercial customers	495	482	453	455	1885
GreenPower Residential sales MWh	1600	1967	1510	1647	6724
GreenPower Commercial sales MWh	753	745	610	678	2786

Contact Synergy

Phone: 13 13 53

Website: www.synergyenergy.com.au

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. Commercial wind farms group these turbines together in one location to produce larger amounts of electricity.

Hydro-electric

Hydro-electric power is electricity produced from the energy of falling water using dams, turbines and generators. The environmental impact of hydro-electric projects varies and only those that can be shown to be environmentally acceptable can be accredited under GreenPower.

Biomass

Methane generated by the decomposition of biomass resources (putrescibles and green waste) in landfill sites, sewage treatment works, or large-scale composting can be used to generate electricity. Waste materials from agricultural enterprises such as forestry, sugar cane, winery and cotton production can also be used to generate electricity.

Such projects are considered generally suitable as GreenPower projects but are carefully assessed by the Project Manager on a case by case basis.

A wide variety of crops could be grown specifically for energy generation including timbers, oils or complex sugars. The suitability of these crops will depend on the sustainability of the agricultural practices used. The 'energy crops' industry is in its infancy in Australia.

With regard to forestry wastes, utilisation of fuels from existing forestry plantations is 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.

Endnotes

A 'new' GreenPower generator is defined as an electricity generator or increase in generator capacity, which was commissioned or first sold energy (whichever is earlier) after January 1, 1997 or after launch of the GreenPower Product (whichever is earlier).

An 'existing' GreenPower generator is defined as an electricity generator or increase in generator capacity which was commissioned or first sold energy (whichever is earlier) prior to January 1, 1997.