

2018 Green Electricity Guide

Report on the Methodology and Results

January 2018

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Alviss Consulting, January 2018



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ACRONYMS

ACCC Australian Competition and Consumer Commission

CER Clean Energy Regulator

CSG Coal Seam Gas

DM Demand management
DR Demand response
EE Energy Efficiency

EPA Environment Protection Authority

FIT Feed-in-tariff

GEG Green Electricity Guide

GP GreenPower

GST Goods and Services Tax

ISF Institute for Sustainable Futures
LGC Large-Scale Generation certificates
NCOS National Carbon Offset Standard

NEM National Electricity Market

P2P Peer to Peer

PPAs Power Purchasing Agreements
RET Renewable Energy Target

SPIC China's State Power Investment Corporation

STC Small-Scale Generation certificates

TEC Total Environment Centre

INTRODUCTION

ABOUT THE GUIDE

The Green Electricity Guide was developed to help inform Australians about which electricity retailers are really as 'green' as they say they are. It is the only independent analysis and ranking of the environmental performance of all electricity retailers around Australia. It is an important source of information for consumers keen to support retailers who align with their values. It is also intended to drive improved performance by retailers as Australia's electricity system is gradually decarbonised.

BACKGROUND

In 2012, the Total Environment Centre (TEC) commissioned the Institute for Sustainable Futures (ISF) to conduct research into publicly-available information on electricity retailers' commitment to renewable energy and environmental sustainability. A briefing note was produced, providing information obtained from websites and publicly available reports on the fuel mix, commitment to renewable energy, and commitment to sustainability of licensed retailers operating in the National Electricity Market (NEM). 11 criteria were analysed across 36 retailers operating in the NEM at the time. No specific ranking was provided and no survey of retailers was conducted for this study.

In 2014 the first edition of the Guide was produced by TEC and Greenpeace. The Institute for sustainable futures (ISF) research was one of the inputs to the ranking. The Guide ranked 20 retailers against 7 criteria and the website has been visited by over 100,000 people.

In 2015, the ISF was contracted to update the Guide's methodology and rankings. The cost of the work was partly funded by an Advocacy grant from Energy Consumers Australia. In addition, ISF, TEC and Choice all contributed in-kind support to the project.

In 2017, TEC reviewed and updated the survey questions and criteria weightings and Alviss Consulting was contracted to prepare the survey forms, analyse survey results and score/rank retailers in line with the agreed methodology. TEC was awarded an Advocacy grant from Energy Consumers Australia in order produce the 2018 Guide. TEC has also contributed in-kind support to the project. Greenpeace is responsible for updating and maintaining the GEG website. TEC and Greenpeace are jointly responsible for the Guide.

CITATION

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METHODOLOGY

OVERVIEW

TEC reviewed the 2015 Green Electricity Guide (GEG) criteria and rankings, and then conducted background research to identify additional criteria and sub-criteria to ensure that the 2018 GEG continues to comprehensively assess the 'green' credentials of Australia's electricity retailers. The criteria and sub-criteria were weighted to reflect their importance in assessing performance, and overall weightings were adjusted accordingly. Scoring criteria were then developed for each sub-criteria.

Alviss Consulting developed the retailer surveys and prefilled known information as much as possible. The surveys were provided by TEC to retailers at the end of November 2017; they then had 2 weeks to complete them. Information in the surveys was then supplemented by and verified against desktop research of company websites, company reports and public reports. Where information on generation assets and emissions intensity was not provided by retailers, Alviss Consulting estimated emission intensity by using data available from the Clean Energy Regulator (CER).

Each retailer's data was assessed and scored to determine a final score and star rating for 2018. The final scores and star ratings (as well as individual retailer data) are provided in the following chapter.

As in 2015, some important criteria were unable to be included due to a lack of data. In particular, both this ranking and the previous rankings put a high weighting on the emissions intensity of generation assets. This metric is only used because the most relevant consumer indicator, the fuel mix of the electricity purchased by the retailer, has not been made available. Information on fuel mix of purchases would allow consumers to assess the environmental effects of the product they are buying. Emissions intensity of generation assets is not a substitute for this information. It is hoped that this information will be available for future rankings.

CHANGES FROM 2015

In 2015, the Green Electricity Guide rankings were based on 7 criteria:

- 1. Emissions Intensity of generation assets
- 2. Renewable Energy policy positions and investments
- 3. GreenPower (GP) products and promotion
- 4. Support for distributed generation (ie. Solar)
- 5. Fossil Fuels policy positions and investments
- 6. Energy efficiency performance and promotion
- 7. Environmental transparency.

In November 2017, the 2015 GEG criteria were reviewed by the TEC in conjunction with the project reference group. Suggested changes were sent to retailers and further changes were made following retailer feedback.

To reflect the shift to a more decentralised or distributed energy system, the 2018 GEG included sub-criteria and points for retailer support for community energy, battery exports and/or local energy trading.

The final criteria for 2018 are:

- 1. Emissions intensity of generation assets
- 2. Support for energy sector decarbonisation
- 3. Carbon offsets
- 4. Support for local and renewable energy
- 5. Fossil fuels policy positions and investments
- 6. Energy efficiency and demand response/demand management*
- 7. Corporate sustainability, transparency and responsibility.

The two other major changes for the 2018 GEG are:

- Changing the appearance of the final rankings from a score out of ten to stars out of five (for greater simplicity).
- Recognising the Most Improved retailer ie, the one whose ranking had improved the most since 2015.

Responses to survey questions relying on reported information (i.e. generation assets, emissions, compliance with the Renewable Energy Target) is based the 2016/17 financial year while questions relating to policy positions and program involvement reflect positions and undertakings at the time of the survey (November/December 2017). The assessment of GreenPower prices, solar export rates and equity of solar offers was based on offers available as of October 2017.

* Note on demand management (DM)/demand response (DR) Demand management and demand response are ways of reducing peak demand, in turn reducing spot market prices during demand peaks and reducing the need for network infrastructure upgrades to meet peak demand. Demand management refers to long term, system efforts to reduce peak demand, whereas demand response refers to actions taken on any specific day to reduce peak demand.

CRITERIA DESCRIPTIONS

CARBON EMISSIONS	
Emissions intensity of assets*	Emissions intensity (in tCO2e/MWh sent out) of all generation assets owned by
Linissions intensity of assets	retailer, or retailer's parent/sister companies
SUPPORT FOR ENERGY SECTOR DECARBONISATION	
Public support for decarbonisation	Whether company publicly supports decarbonisation of the energy sector in Australia consistent with the Paris climate change agreement - i.e. sufficient to limit warming to 1.5-2 degrees by 2100.
Compliance with Renewable Energy Target (RET)	Whether company incurred a shortfall of more than 10% in its Large-Scale Generation (LGC) and/or Small-Scale Generation (STC) certificates in 2016
CARBON OFFSETS	
100% GreenPower (GP) Residential price	Whether the company's price for GreenPower is higher/lower than the market average
GreenPower sales (%)*	GreenPower as % of total residential sales
Other offsets	Whether company provides non-GreenPower carbon offsets for some or all of its non-renewable energy generation
SUPPORT FOR LOCAL AND RENEWABLE ENERGY	
Solar export price*	The difference between the solar export price offered by the retailer and the state average (averaged across all states the retailer offers solar in)
Equitable solar offer*	Whether the retailer allows solar customers equitable access to market offers (ie. offers with same tariffs and discounts)
Tariffs supporting community projects and/or solar battery	Whether company has tariffs that directly support community energy groups/projects and/or tariffs for the export of solar battery energy.
Supports local energy (P2P) trading	Whether company actively supports local energy (P2P) trading.
FOSSILS FUELS POLICY AND INVESTMENT	
Position on Coal Seam Gas (CSG)*	The position of the company on the place of CSG in Australia's electricity market, and whether this position is public
Position on coal*	The position of the company on the place of CSG in Australia's electricity market, and whether this position is public
Actions taken to move away from fossil fuels	Whether company has taken action or has credible plans to help transition Australia's energy market away from fossil fuels
Investment in CSG*	Whether the company has any current or planned investment in CSG
Investment in coal*	Whether the company has any current investment in coal mines or planned investment in coal mines and coal power plants
ENERGY EFFICIENCY (EE) AND DEMAND RESPONSE (DR)	
Promotion of Energy Efficiency (EE)*	Whether and how comprehensively the retailer offers energy efficiency information, products and services
Engagement in Demand Management (DM) or Demand Response (DR) programs	Whether company engages in demand response/management programs (i.e. programs to reduce peak demand, other than via tariffs)
CORPORATE SUSTAINABILITY, TRANSPARENCY AND RESPONSIBILITY	
Produces sustainability report	Whether company produces a Sustainability Report (stand-alone report or as part of annual report)
Decarbonisation goals for own operations	Whether company has public and credible decarbonisation goals, strategies and milestones for its own operations
Engaged in greenwash	Whether company has been found by a reputable body^ to have engaged in greenwash
Shown disregard for human or ecosystem health	Whether company's activities or public statements indicate a disregard for human or ecosystem health (e.g. the avoidable localised impacts of coal mine fires or water pollution; or the burning of native forests to generate electricity)

^{*} Criteria included in 2015 Green Electricity Guide
^ I.e. found by ACCC to have engaged in misleading or deceptive conduct

SCORING CRITERIA

CARBON EMISSIONS

Emissions intensity of assets	Score between 1 and 10. NEM average scored at 5 points and retailers receiving more or less points than 5 based on their emission intensity compared to NEM average, as well as the emission of other retailers.

SUPPORT FOR ENERGY SECTOR DECARBONISATION

Public support for decarbonisation	10 = Support 8 = Qualified support 0 = No position/No support
Compliance with Renewable	10 = Complied
Energy Target (RET)	0 = Non-compliance

CARBON OFFSETS

100% GreenPower (GP) Residential price (incl GST)	10 = Lower than NEM average 8 = Same (between 7 - 7.5c) as NEM average 5 = Higher then NEM average 0 = No GP
GreenPower sales (%)	10 => 5.0% 7 => 1.3% 5 => 0.6% 4 => 0.5% 2 => 0.2% 1 = 0.1% or unknown 0 = 0 (No GP)
Other offsets	10 = Yes 0 = No

SUPPORT FOR LOCAL AND RENEWABLE ENERGY

Solar export price/feed-in-tariff (FIT)*	Score between 0 and 10. 0 = Does not clearly offer FIT. All retailers that clearly offer FIT gets 5 points. Additional points if the FIT rate is higher than the relevant states' average FIT rate.*
Equitable solar offer*	10 = No difference (all jurisdictions) 5 = Minor differences (one jurisdiction/welcome credits etc) 0 = Major differences (disadvantage towards solar)
Tariffs supporting community projects and/or solar battery	10 = Yes 0 = No
Supports local energy (P2P) trading	10 = Yes 0 = No

FOSSILS FUELS POLICY AND INVESTMENT

Position on Coal Seam Gas (CSG)	9) = Publicly stated to not include CSG 4 = No public position (or no response) 2 = Public qualified support (eg. need for CSG as short-term transition gas fuel) 0 = Publicly supports to include CSG + 1 = position public
Position on coal	9 = Publicly stated to not include Coal 4 = No public position (or no response) 2 = Public qualified support (eg. reducing emissions) 0 = Publicly supports to include Coal + 1 = position public
Actions taken to move away from fossil fuels	10 = Yes 5 = Somewhat or credibility issues 0 = No
Investment in CSG	CURRENT: 5 = No 0 = Yes / Unknown (no response) N/A = 5 FUTURE: 5 = Policy against future investment 0 = Plans / Unknown (no response)
Investment in coal	CURRENT: 5 = No 0 = Yes / Unknown (no response) N/A = 5 FUTURE: 5 = Policy against future investment 0 = Plans / Unknown (no response)

ENERGY EFFICIENCY (EE) AND DEMAND RESPONSE (DR)

Promotion of energy efficiency*	10 = Yes (web info + other) 7 = Yes (comprehensive web info) 5 = Yes (web info only) 0 = No
Engagement in demand management/response programs	10 = Yes 0 = No

CORPORATE SUSTAINABILITY, TRANSPARENCY AND RESPONSIBILITY

Produces sustainability report	10 = Yes 5 = Yes but not recently 0 = No
Decarbonisation goals for own operations	10 = Yes 5 = Yes somewhat or credibility issues 0 = No
Engaged in greenwash	10 = No 0 = Yes
Shown disregard for human or ecosystem health	10 = No 0 = Yes
Survey participation	10 = Yes and provided extensive info on emissions 5 = Yes 0 = No

^{*} Retailers received 5 additional points for each state where the FIT was higher than average and 0 where it was lower, the total additional points were divided by number of states where retailer has offers.

CRITERIA WEIGHTINGS DATA SOURCES Alviss retail data Oct 2017 Contribution to final score Weighting within criteria CER 2016 RET shortfalls Parent website/reports CER (2015-2016) data 2017/18 GEG Survey Company website Company reports Other websites **CARBON EMISSIONS** 20% Emissions intensity of assets 100% 20% SUPPORT FOR ENERGY SECTOR DECARBONISATION 15% Public support for decarbonisation 50% 7.5% Compliance with RET 50% 7.5% **CARBON OFFSETS** 10% 100% GP Residential price 40% 4% 40% 4% GP sales (%) Other offsets 20% 2% SUPPORT FOR LOCAL AND RENEWABLE ENERGY 20% Solar export price 25% 5% Equitable solar offer 25% 5% Specific tariffs 25% 5% Supports local energy (P2P) trading 25% 5% **FOSSILS FUELS POLICY AND** INVESTMENT 15% Position on Coal Seam Gas (CSG) 20% 3% Position on coal 20% 3% 20% Actions taken 3% 20% 3% Investment in CSG Investment in coal 20% 3% **ENERGY EFFICIENCY (EE) AND DEMAND MANAGEMENT** (DM)/DEMAND RESPONSE (DR) 10% Promotion of EE 50% 5% Engagement in DM/DR programs 50% 5% CORPORATE SUSTAINABILITY. TRANSPARENCY, RESPONSIBILITY 10% Produces sustainability report 25% 2.5% Company decarbonisation goals 25% 2.5% Engaged in greenwash 25% 2.5% Disregard human/ecosystem health 25% 2.5%

Note on applying weightings Each retailer receives a score out 10 for each sub-criteria. This is referred to as the raw (or weighted) score. The raw scores for each sub-criteria are then assigned a weighting relative to the other sub-criteria (the 'Weighting within element' figure above) and added together in order to calculate the raw Criteria score. Each raw Criteria score is then weighted relative to the other criteria and added together to calculate the overall score for each retailer.

References

- $\ CER \ RET \ scheme \ compliance: \ www.cleanenergyregulator.gov. au/RET/Scheme-participants-and-industry/Renewable-Energy-Target-liable-entities/scheme-compliance$
- CER 2015-2016 emission and generation dataset:

www. clean energy regulator. gov. au/NGER/National %20 green house %20 and %20 energy %20 reporting %20 data/electricity-sector-emissions-and-generation-data/electricity-sector-emissions-and-generation-data-2015-16

RESULTS SUMMARY

INTRODUCTION

As discussed under Methodology, the Green Electricity Guide (GEG) ranks the environmental credentials and performance of the 31 retailer businesses with current offers to new residential customers. Retailers were assessed on 7 criteria, each with a number of sub-criteria. Sub-criteria and criteria are weighted based on their importance resulting in an overall score out of 10. 14 out of 31 retailers responded to the 2018 GEG survey.* As this included the three biggest retailers (AGL, Origin Energy and EnergyAustralia), which together control over 75 per cent of the Australian market, we estimate that we received responses from retailers representing nearly 90 per cent of the market. Retailers who did not respond were assessed on publicly available data.

* Note on survey responses Multiple efforts were made to contact every retailer. A non-response may indicate that in some cases it was not possible to locate or contact the appropriate person in the company, rather than intentional disregard for the survey.

STAR RATINGS

New to the GEG Guide this year is that we issue a star rating to each retailer based on their final score. A retailer can receive a maximum of 5 stars (by scoring 9.1 points or more) while a retailer with a score of 1 or less would receive half a star.

9.1 or more		4.1 to 5	
8.1 to 9		3.1 to 4	
7.1 to 8	***	2.1 to 3	**
6.1 to 7		1.1 to 2	*
5.1 to 6	☆☆☆	1 or less	

Two retailers, Powershop and Diamond Energy, received 5 stars. The majority of retailers (19/31) received a star rating between 2 and 3. One retailer received 1 star only (1st Energy).

MOST IMPROVED RETAILER

Also new to the GEG Guide this year is that we have assessed the Most Improved Retailer since the last GEG Guide was produced (2015 GEG).

AGL is the Most Improved Retailer in the 2018 GEG. It is currently ranked as the 5th 'greenest' retailer out of 31 and it has received a 3.5 star rating. Based on a comparison of retailers covered by both the 2015 and 2018 GEG, AGL has climbed 6 spots since the 2015 GEG (it was ranked as 9 out of 23 in 2015). AGL has especially improved in the areas of policy and investment decisions (by moving away from fossil fuels) and involvement in programs that promotes demand response and local energy (P2P) trading, as well as ensuring that they offer equitable contracts to new solar customers.

OVERALL PERFORMANCE

The overall ranking reveals the position and score of each retailer in 2018. Two retailers out-perform all other retailers by a substantial margin: Powershop, with a score of 9.7 and Diamond, with a score of 9.1. Three

retailers received a score of 7 or more: Energy Locals and Enova (7.4) and AGL (7). The majority of retailers (21/31) received a score between 3 and 6. Three retailers received a score below 3.

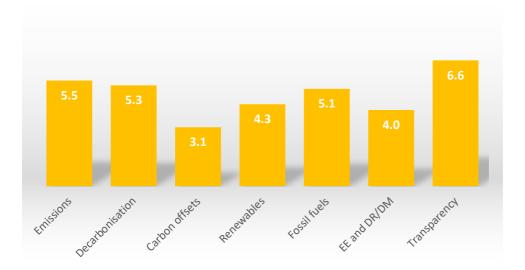
Stars	Retailer	Score
***	Powershop	9.7
***	Diamond Energy	9.1
***	Energy Locals	7.4
	Enova Energy	7.4
	AGL Energy	7.0
★☆☆☆	Origin Energy	6.8
☆☆☆ ☆	Momentum Energy	6.8
***	EnergyAustralia	5.7
**	Lumo Energy	5.6
***	Powerdirect	5.5
***	Red Energy	5.4
	Aurora Energy	5.2
	Horizon Power	5.0
	ActewAGL Retail	4.9
	Jacana Energy	4.8
	Ergon Energy	4.7
	Dodo Power & Gas	4.4
	Pacific Hydro Retail	4.4
	Commander	4.1
	Simply Energy	4.0
	Mojo Power	3.8
**	Click Energy	3.8
**	QEnergy	3.5
**	Amaysim	3.3
**	Synergy	3.2
**	Alinta Energy Retail	3.1
	GloBird Energy	3.0
	People Energy	3.0
	Sumo Power	2.8
☆ ★	CovaU	2.3
☆	1st Energy	2.0

INDIVIDUAL CRITERIA

The below shows retailers' raw score for each of the 7 criteria.

	Emissions	Support for decarbonisation	Carbon offsets	Support for local & renewable energy	Fossil fuels policy & investment	Energy Efficiency & Demand response/management	Corporate sustainability & Transparency
Powershop	10.0	10.0	8.0	9.5	10.0	10.0	10.0
Diamond Energy	10.0	10.0	8.0	9.5	10.0	5.0	8.8
Energy Locals	5.0	10.0	6.8	10.0	9.8	0.0	7.5
Enova Energy	5.0	10.0	8.0	7.5	9.0	5.0	7.5
AGL Energy	3.0	10.0	6.4	6.5	8.0	10.0	7.5
Origin Energy	4.0	9.0	6.8	7.5	4.2	10.0	8.8
Momentum Energy	8.0	10.0	5.6	3.8	9.8	5.0	3.8
Powerdirect	3.0	10.0	4.4	4.0	8.0	2.5	7.5
EnergyAustralia	1.0	10.0	4.4	4.8	5.2	10.0	8.8
Lumo Energy	9.0	5.0	4.4	4.5	5.6	3.5	5.0
Red Energy	9.0	5.0	4.4	4.0	5.6	2.5	5.0
Aurora Energy	8.0	5.0	4.4	3.8	3.6	5.0	6.3
Horizon Power	5.0	5.0	0.0	5.0	3.6	10.0	7.5
ActewAGL Retail	3.0	5.0	6.0	2.5	8.0	5.0	7.5
Jacana Energy	7.0	5.0	0.0	5.0	3.6	3.5	7.5
Ergon Energy	5.0	5.0	2.4	3.8	3.6	5.0	8.8
Dodo Power & Gas	5.0	5.0	2.4	4.0	3.6	3.5	7.5
Pacific Hydro	10.0	5.0	0.0	3.8	1.6	0.0	6.3
Commander	5.0	5.0	0.0	4.3	3.6	2.5	7.5
Simply Energy	2.0	5.0	4.0	4.5	4.6	3.5	5.0
Mojo Power	5.0	5.0	0.0	2.5	3.6	5.0	5.0
Click Energy	5.0	5.0	2.4	2.5	3.6	2.5	5.0
QEnergy	5.0	0.0	4.4	3.8	3.6	2.5	5.0
Amaysim	5.0	5.0	0.0	2.5	3.6	0.0	5.0
Synergy	4.0	5.0	2.4	0.0	2.6	2.5	7.5
Alinta Energy Retail	6.0	0.0	0.0	2.8	2.6	2.5	7.5
GloBird Energy	5.0	0.0	0.0	3.8	3.6	2.5	5.0
People Energy	5.0	0.0	0.0	3.8	3.6	2.5	5.0
Sumo Power	5.0	0.0	0.0	3.8	3.6	0.0	5.0
CovaU	5.0	0.0	0.0	0.0	3.6	2.5	5.0
1st Energy	5.0	0.0	0.0	0.0	3.6	0.0	5.0

On average, the retailers are performing better on some elements compared to others. The figure below shows the average raw score for each of the 7 criteria making up the 2018 Green Electricity Guide. It shows that the greatest average score (6.6) was for the 'Corporate sustainability, transparency and responsibility' criteria while the average score for 'Carbon offsets' was lowest (3.1).



INDIVIDUAL RETAILER RESULTS

Results explainer



Star rating (maximum 5 stars)

Operates in: [jurisdictions]
Responded to survey: [yes/no]

Score: [Overall score, combining weighted criteria scores)]

Key Points



Notes on any good/excellent aspects of performance by the retailer



Notes on any average aspects of performance by the retailer



Notes on any poor aspects of performance by the retailer

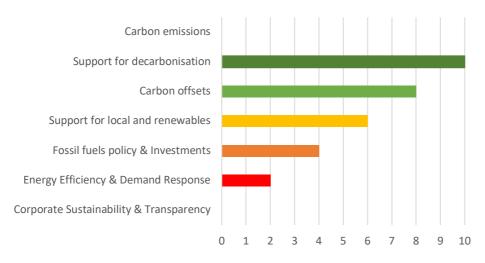


Notes on neutral aspects of the retailer's performance

Note that the aspects of the retailer's performance are assessed in relation to the retailer's overall performance. E.g. For a retailer with an overall poor performance, having comprehensive energy efficiency information on their website would be regarded as "good". For a retailer with an overall high performance, on the other hand, web-based information alone would be regarded as "average".

CRITERIA SCORES

Shows raw score (10 out of 10) for each criteria



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	Datapoint	Raw	Position on CSG	Datapoint	Raw
	Criteria score:	Raw	Position on coal	Datapoint	Raw
			Actions taken to move away from fossil fuels	Datapoint	Raw
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Datapoint	Raw
Public support for decarbonisation	Datapoint	Raw	Investments in coal	Datapoint	Raw
Compliance with RET	Datapoint	Raw		Criteria score:	Raw
	Criteria score:	Raw			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Datapoint	Raw
GreenPower price compared to average	Datapoint	Raw	Engages in demand management / response programs	Datapoint	Raw
GreenPower sales (%)	Datapoint	Raw		Criteria score:	Raw
Other offsets	Datapoint	Raw			
	Weighted criteria score:	Raw			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Datapoint	Raw
FIT rate compared to jurisdictional average	Datapoint	Raw	Decarbonisation goals for own operations	Datapoint	Raw
Equity of solar products (compared to non-solar)	Datapoint	Raw	Engaged in greenwash	Datapoint	Raw
Tariffs supporting community projects and/or solar battery	Datapoint	Raw	Shown disregard for human or ecosystem health	Datapoint	Raw
Supports local energy (P2P) trading	Datapoint	Raw		Criteria score:	Raw
	Criteria score:	Raw			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

Notes providing additional context to retailer's datapoints and/or performance, reflecting additional comments by retailer in the survey

Methodology comments

Notes on any assumptions/adjustments to methodology for this retailer, eg. assumptions for missing/unclear data, manipulation of data supplied in different formats etc

Operates in: NSW, QLD, VIC Responded to survey: YES

Score: 9.7

Key Points

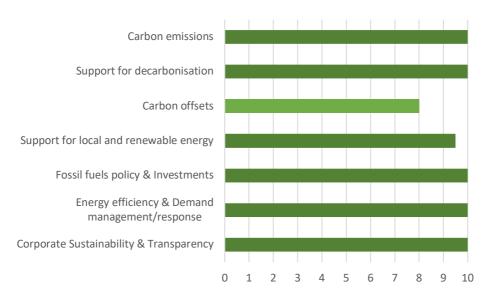
Owns only renewable assets (via parent company), with emissions intensity close to zero

Strong public position against investing in fossil fuels

Does not have contracts to buy energy from fossil fuel power stations

Involved in and supportive of local energy trading, demand response and community energy projects

Higher than average GreenPower price



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.0002 tCO2e/MWh	10.0	Position on CSG	Against	10.0
	Criteria score	10.0	Position on coal	Against	10.0
			Actions taken to move away from fossil fuels	Yes	10.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	10.0
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Higher	5.0	Engages in demand management / response programs	Yes	10.0
GreenPower sales (%)	6.61%	10.0		Criteria score:	10.0
Other offsets	Yes	10.0			
	Weighted criteria score:	8.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mostly higher	8.0	Decarbonisation goals for own operations	Yes	10.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	Yes	10.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	Yes	10.0		Criteria score:	10.0
	Criteria score:	9.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Powershop's parent company, Meridian Energy, owns generation assets (wind farms) in Australia.

- Your Community Energy is a tariff option that facilitates the support and funding for small-scale, community energy projects.
- Powershop supports (financially and in-kind) the proposed trial of the development of social access solar gardens. This involves the installation of solar arrays near population centres and the purchase by consumers of a share in the solar arrays (Solar Gardens).
- Local energy trading offered through the 'Your Neighbourhood Solar' tariff.
- The demand response initiatives include 'Curb your power' and participation in trials.

Diamond Energy

Operates in: NSW, QLD, VIC, SA Responded to survey: YES

Score: 9.1

Key Points

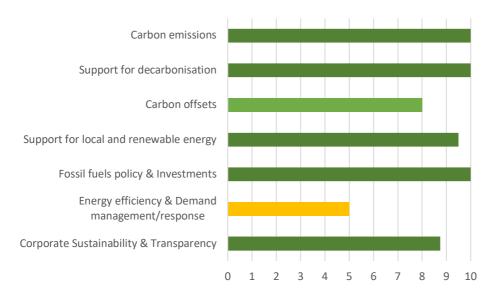
Owns only renewable assets, with zero emissions intensity

Strong public position against investing in fossil fuels

Supports local energy trading and offers specific tariffs for solar battery exports

Does not have contracts to buy energy from fossil fuel power stations

Is not involved in demand management/response programs and does not offer carbon offsets (apart from GreenPower)



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.0 tCO2e/MWh	10.0	Position on CSG	Against	10.0
	Criteria score:	10.0	Position on coal	Against	10.0
			Actions taken to move away from fossil fuels	Yes	10.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	10.0
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	5.8%	10.0		Criteria score:	5.0
Other offsets	No	0.0			
	Weighted criteria score:	8.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mostly higher	8.0	Decarbonisation goals for own operations	Yes but some credibility issues	5.0
Equity of solar products (compared to non-solar)	No	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	Yes	10.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	Yes	10.0		Criteria score:	8.8
	Criteria score:	9.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Diamond owns small-scale generation assets.

- Diamond's GridCredits100 is a tariff that directly supports the export of solar battery energy.
- Diamond supports local energy trading through the Sunshine Coast Solar Farm project.

Energy Locals

Operates in: NSW, QLD Responded to survey: YES

Score: 7.4

Key Points

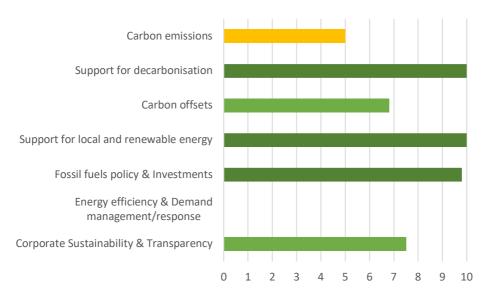
Strong public position against investing in fossil fuels

Supportive of community energy projects and local energy trading

Solar export price(s) above state average(s) and provides equitable solar offers

Does not have contracts to buy energy from fossil fuel power stations

Does not promote energy efficiency and is not involved in demand management/response programs



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	Against (no public statement)	9.0
	Criteria score:	5.0	Position on coal	Against	10.0
			Actions taken to move away from fossil fuels	Yes	10.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	9.8
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	No	0.0
GreenPower price compared to average	Higher	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	1.5%	7.0		Criteria score:	0.0
Other offsets	Yes	10.0			
	Weighted criteria score:	6.8			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Higher than average	10.0	Decarbonisation goals for own operations	Yes	10.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	Yes	10.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	Yes	10.0		Criteria score:	7.5
	Criteria score:	10.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

- Energy Locals does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- Energy Locals' non-GreenPower carbon offset program is based on purchasing Certified Emission Reduction (CER), recognised under the National Carbon Offset Standard (NCOS).

Enova Community Energy



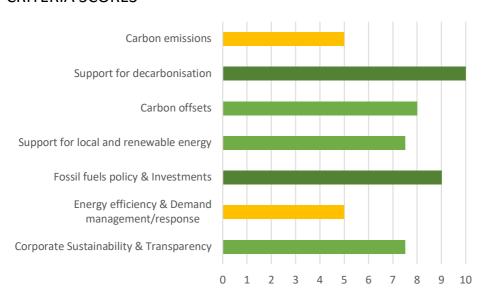
Operates in: NSW

Responded to survey: YES

Score: 7.4

Key Points

Strong public position against investing in fossil fuels Supports community energy projects and has a carbon offset program (in addition to GreenPower) Has a high proportion of GreenPower sales Does not have contracts to buy energy from fossil fuel power stations Is not involved in demand management/response programs



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	Against	10.0
	Criteria score:	5.0	Position on coal	Against	10.0
			Actions taken to move away from fossil fuels	Somewhat	5.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	9.0
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Higher	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	12%	10.0		Criteria score:	5.0
Other offsets	Yes	10.0			
	Weighted criteria score:	8.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Higher than average	10.0	Decarbonisation goals for own operations	Yes	10.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	Yes	10.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	7.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

New entrant - "pure" retailer with no generation assets yet.

- Enova does not own generation assets and is therefore assigned the average emission intensity of the
- Enova's non-GreenPower carbon offset program is the community renewable add-on scheme.



Operates in: NSW, QLD, VIC, SA Responded to survey: YES

Score: 7.0

Key Points

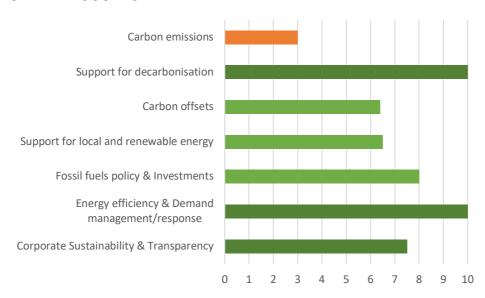
Strong public position against future investments in fossil fuels

Comprehensive and accessible energy efficiency products and involvement in demand management/response programs

Offers carbon offsets (other than GreenPower)

Penalised by EPA NSW for pollution

Extensive current investments in CSG and coal power stations, with emissions intensity above NEM average



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.898 tCO2e/MWh	3.0	Position on CSG	Publicly against	10.0
	Criteria score:	3.0	Position on coal		10.0
			Actions taken to move away from fossil fuels	Yes	10.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	•	5.0
Public support for decarbonisation	Supports	10.0	Investments in coal	•	5.0
Compliance with RET	Complied	10.0		Publicly against Publicly against Yes Currently but not in the future Currently but not in the future Criteria score: Value Yes Yes Criteria score: Value Yes Yes Yes Yes	8.0
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Publicly against Public	10.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	Yes	10.0
GreenPower sales (%)	0.1%	1.0		Criteria score:	10.0
Other offsets	Yes	10.0		Publicly against Publicly against Yes Currently but not in the future Currently but not in the future Criteria score: Value Yes Yes Criteria score: Value Yes Yes Yes Yes Yes	
	Weighted criteria score:	6.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mostly lower	6.0	Decarbonisation goals for own operations	Yes	10.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	Yes	0.0
Supports local energy (P2P) trading	Yes	10.0		Criteria score:	7.5
	Criteria score:	6.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• AGL owns generation assets.

- AGL's non-GreenPower carbon offset program is the Future Forests Program.
- Supports local energy (P2P) trading through collaborations with IBM Australia, Marchment Hill
 Consulting and Australian Renewable Energy Agency (ARENA) for which AGL has provided funding and
 launched trials.
- AGL is engaged in a number of demand response programs in collaboration with ARENA and Australian Energy Market Operator (AEMO).
- The Environment Protection Authority (EPA) fined AGL Macquarie for a pollution incident at the Bayswater Power Station in November 2015. We have assessed this as showing disregard for ecosystem health.

Origin Energy

Operates in: ACT, NSW, QLD, VIC, SA

Responded to survey: YES

Score: 6.8

Key Points

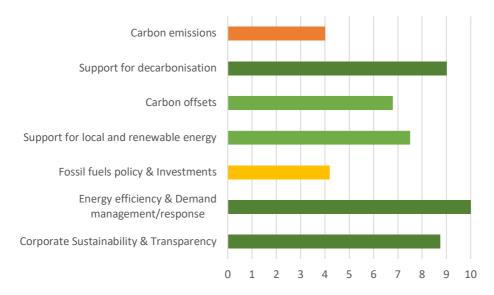
Comprehensive and accessible energy efficiency products and involvement in demand management/ response programs

Supports local energy (P2P) trading

Solar export price(s) above state average(s) and provides equitable solar offers

Publicly supports mining and generation of energy from coal seam gas (CSG)

Extensive current investments in CSG and coal power stations, with emissions intensity above NEM average



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Scor
Emission intensity	0.87 tCO2e/MWh	4.0	Position on CSG	Publicly supports	1.0
	Criteria score:	4.0	Position on coal	Publicly against	10.0
			Actions taken to move away from fossil fuels	Somewhat	5.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Currently and in the future	0.0
Public support for decarbonisation	Qualified support	8.0	Investments in coal	Currently but not in the future	5.0
Compliance with RET	Complied	10.0		Criteria score:	4.2
	Criteria score:	9.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Publicly supports Publicly against Somewhat Currently and in the future Currently but not in the future Criteria score: Value t Criteria score: Value ty Yes Somewhat No	10.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	Yes	10.0
GreenPower sales (%)	1.3%	7.0		Criteria score:	10.0
Other offsets	No	0.0			
	Weighted criteria score:	6.8			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Higher than average	10.0	Decarbonisation goals for own operations	Somewhat	5.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	10.0		Criteria score:	8.8
	Criteria score:	7.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Origin Energy owns generation assets.

- Origin has launched a trial of P2P energy trading in partnership with blockchain energy market provider Power Ledger.
- Origin is working with Tempus Energy to roll out a flexible energy demand trial with customers in South Australia.

Momentum Energy

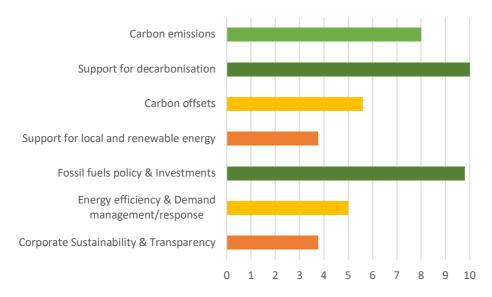


Operates in: NSW, QLD, VIC, SA Responded to survey: YES

Score: 6.8

Key Points

Owns mostly renewable assets (via parent company), with emissions intensity close to zero Strong public position against investing in fossil fuel Does not support local energy trading or community energy projects and is not involved in demand management programs Does not offer carbon offset (apart from GreenPower) Has been fined for 'greenwashing"



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.038 tCO2e/MWh	8.0	Position on CSG	Against	9.0
	Criteria score:	8.0	Position on coal	Publicly against	10.0
			Actions taken to move away from fossil fuels	Yes	10.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	9.8
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0.5%	4.0		Criteria score:	5.0
Other offsets	No	0.0			
	Weighted criteria score:	5.6			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Not recently	5.0
FIT rate compared to jurisdictional average	Lower than average	5.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	Yes	0.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	3.8
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

Momentum's parent company, Hydro Tasmania, owns generation assets.

Methodology comments

In 2016 Momentum was fined \$54,000 by the ACCC in relation to making false claims regarding its renewable energy advertising.

Operates in: ACT, NSW, QLD, VIC, SA

Responded to survey: YES

Score: 5.7

Key Points

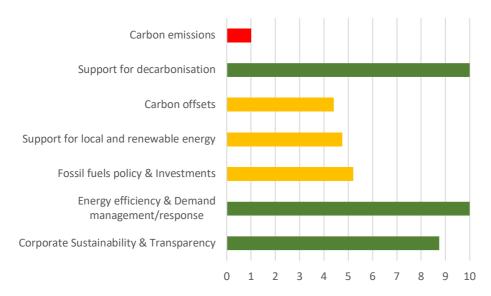
Comprehensive and accessible energy efficiency products and involvement in demand management/ response programs

Offers carbon offsets (other than GreenPower)

Solar export price(s) mostly above state average(s) and provides equitable solar offers

Not clearly opposed to coal or CGS

Investments in coal power stations, with emissions intensity above NEM average



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	1.181 tCO2e/MWh	1.0	Position on CSG	No position	4.0
	Criteria score:	1.0	Position on coal	Against (qualified)	2.0
			Actions taken to move away from fossil fuels	Somewhat	5.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Currently but not in the future	5.0
Compliance with RET	Complied	10.0		Criteria score:	5.2
	Criteria score:	10.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Higher	5.0	Engages in demand management / response programs	Yes	10.0
GreenPower sales (%)	0.1%	1.0		Criteria score:	10.0
Other offsets	Yes	10.0			
	Weighted criteria score:	4.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mostly higher	9.0	Decarbonisation goals for own operations	Yes but some credibility issues	5.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No (not yet)	0.0		Criteria score:	8.8
	Criteria score:	4.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

EnergyAustralia owns generation assets.

- EnergyAustralia's non-GreenPower carbon offset program is the Go Neutral product, which is certified against the Australian Government's National Carbon Offset Standard (NCOS). However, unlike the similar products offered by Powershop and EnergyLocals, it is offered on an opt-in basis rather than covering all consumers' consumption.
- EnergyAustralia is engaged in demand response programs in collaboration with Australian Renewable Energy Agency (ARENA) and Australian Energy Market Operator (AEMO).
- EnergyAustralia's company decarbonisation goals come under the CLP Group's goals more broadly.

Lumo Energy

Operates in: VIC, SA Responded to survey: YES

Score: 5.6

Key Points

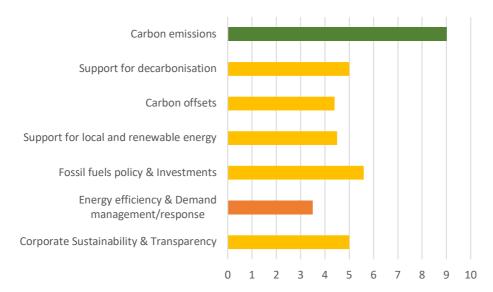
Owns mostly renewable energy generation assets (via parent company), with emissions intensity close to zero

Offers a lower than average price for GreenPower

Offers equitable solar offers

No current investments in coal or CSG, but no public position against them

No involvement in demand management/response programs, community energy projects or local energy trading



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.0298 tCO2e/MWh	9.0	Position on CSG	No position	4.0
	Criteria score:	9.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	Somewhat	5.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	5.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (comprehensive web info)	7.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0	1 0	Criteria score:	3.5
Other offsets	No	0.0			
	Weighted criteria score:	4.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Mixed	8.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	4.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Lumo's parent company, Snowy Hydro, owns generation assets.

Powerdirect ***

Operates in: NSW, QLD, VIC, SA

Responded to survey: YES (via parent company)

Score: 5.5

Key Points

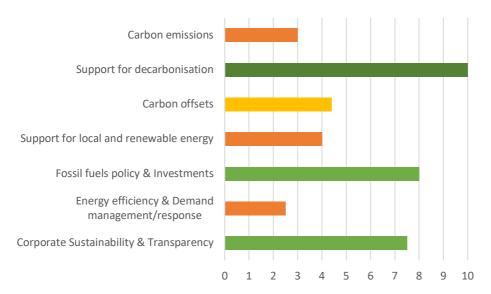
Strong public position against future investments in fossil fuels (via parent company)

Offers a lower than average price for GreenPower

Offers equitable solar offers but export rate is lower than average in most states

Does not support P2P trading, community energy projects and is not involved in demand management/ response programs

Investments in coal power stations (parent company), with emissions intensity above NEM average



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Sco
Emission intensity	0.898 tCO2e/MWh	3.0	Position on CSG	Publicly against	10
	Criteria score:	3.0	Position on coal	Publicly against	10
			Actions taken to move away from fossil fuels	Yes	10
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Currently but not in the future	5.0
Public support for decarbonisation	Supports	10.0	Investments in coal	Currently but not in the future	5.0
Compliance with RET	Complied	10.0		Publicly against Publicly against Yes Currently but not in the future Currently but not in the future Criteria score: Value Cy Yes (web info only) No Criteria score: Value Yes Yes Yes Yes Yes Yes Yes Y	8.0
	Criteria score:	10.0			
			Energy efficiency and demand management //response	Value	Sco
Carbon offsets	investment O.898 tCO2e/MWh O.909 to position on CSG Oblicy against	5.0			
GreenPower price compared to average	Lower	10.0	management / response	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	2.5
Other offsets	No	0.0		Publicly against Yes Currently but not in the future Currently but not in the future Criteria score: Value Yes (web info only) No Criteria score: Value Yes Yes Yes Yes Yes Yes	
	Weighted criteria score:	4.4			
			transparency and	Value	Sco
Support for local and renewable energy	Value	Score	· ·	Yes	10
FIT rate compared to jurisdictional average	,		· ·	Yes	10
Equity of solar products (compared to non-solar)				No	10
Tariffs supporting community projects and/or solar battery	No	0.0	-	Yes	0.
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.
	Criteria score:	4.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

Powerdirect's parent company, AGL, owns generation assets.

- Powerdirect did not complete a survey. Instead, parent company AGL provided its own generation assets and policy positions in its own survey, and advised that these were the same for Powerdirect.
- The Environment Protection Authority (EPA) fined the parent company (AGL Macquarie) for a pollution incident at the Bayswater Power Station in November 2015. We have assessed this as showing disregard for ecosystem health.

Red Energy

Operates in: NSW, QLD, VIC, SA Responded to survey: YES

Score: 5.4

Key Points

Owns mostly renewable assets (via parent company), with emissions intensity close to zero

Offers a lower than average price for GreenPower

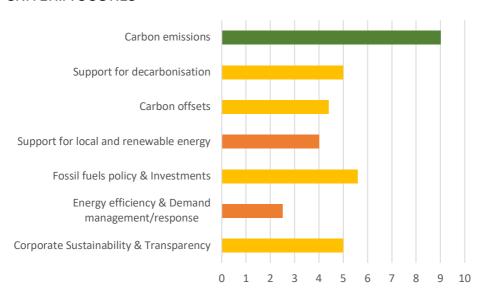
No current investments in coal or CSG, but no public position against them

Has energy efficiency information on website but should be made more accessible

No involvement in demand management/ response programs, community energy project or P2P

CRITERIA SCORES

trading



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.0298 tCO2e/MWh	9.0	Position on CSG	No position	4.0
	Weighted criteria score:	9.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	Somewhat	5.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently and not in the future	10.0
Compliance with RET	Complied	10.0		Criteria score:	5.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	4.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Mostly lower	6.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	4.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Red's parent company, Snowy Hydro, owns generation assets.

Aurora Energy

Operates in: TAS

Responded to survey: NO

Score: 5.2

Key Points

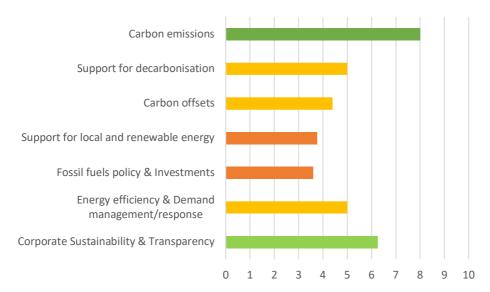
Owns only renewable assets (via parent company), with emissions intensity close to zero

Offers a lower than average price for GreenPower

Solar export price(s) below NEM average but provides equitable solar offers

Does not support local energy trading, community energy projects and is not involved in demand management/response programs

Position on coal and CGS is not known



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.0455 tCO2e/MWh	8.0	Position on CSG	No position	4.0
	Criteria score:	8.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future plans unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future plans unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management //response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	5.0
Other offsets	No	0.0			
	Weighted criteria score:	4.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Not recently	5.0
FIT rate compared to jurisdictional average	Lower than NEM average	5.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	6.3
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

Aurora's parent company (Tasmanian Government) owns generation assets (via its other subsidiary companies).

Methodology comments

As the only retailer in Tasmania, Aurora's solar export price has been compared to the NEM average rather than the state average.

Horizon Energy

Operates in: WA

Responded to survey: NO

Score: 5.0

Key Points

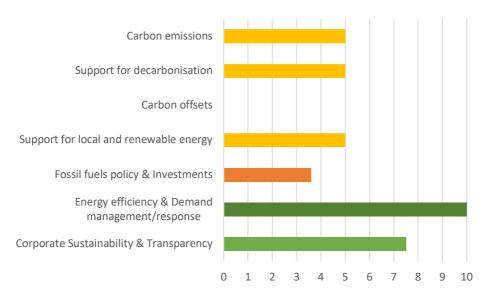
Comprehensive and accessible energy efficiency products and involvement in demand management/ response programs

Solar export price(s) above NEM average and provides equitable solar offers

Does not offer GreenPower or other carbon offsets

Does own generation assets but emission intensity unknown

Position on coal and CGS is not known



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future plans unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future plans unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	Yes	10.0
GreenPower sales (%)	0%	0.0		Criteria score:	10.0
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Higher than NEM average	10.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	5.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• As Horizon did not respond to the survey and we have not been able to calculate the emission intensity of its generation assets, the average NEM emission intensity has been applied

- As one of only two retailers in WA, Horizon's solar export price is compared to the NEM average
 rather than the state average. As Horizon offers different export prices at different locations across
 WA, the prices offered in the various towns were averaged to generate a figure with which to
 compare against the NEM average.
- Horizon's demand response program is Power Ahead.



Operates in: ACT, NSW Responded to survey: YES

Score: 4.9

Key Points

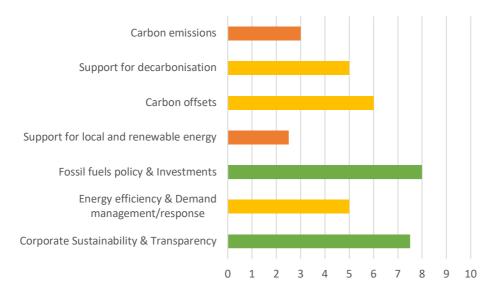
Strong public position against future investments in fossil fuels (via parent company)

Comprehensive and accessible energy efficiency products and information available to customers via website

Relatively high proportion of GreenPower sales

Solar export price(s) lower than state average(s) and a lower export rate for the offer with the greatest discount makes the solar offers inequitable

Investments in coal power stations (via parent company), with emissions intensity above NEM average



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.898 tCO2e/MWh	3.0	Position on CSG	Publicly against	10.0
	Criteria score:	3.0	Position on coal	Publicly against	10.0
			Actions taken to move away from fossil fuels	Yes	10.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Currently but not in the future	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Currently but not in the future	5.0
Compliance with RET	Complied	10.0		Criteria score:	8.0
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Same	8.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	1.325%	7.0		Criteria score:	5.0
Other offsets	No	0.0			
	Weighted criteria score:	6.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Not recently	5.0
FIT rate compared to jurisdictional average	Lower	5.0	Decarbonisation goals for own operations	Not up to date	5.0
Equity of solar products (compared to non-solar)	Minor differences	5.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	2.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

ActewAGL is a joint venture between Icon Water Limited (formerly ACTEW Corporation, an ACT Government owned corporation) and AGL. AGL owns generation assets.

- In the ACT, ActewAGL's solar export rate is lower for customers on the discounted market offer than it is for customers not receiving a discount (8c FIT vs. 11c FIT).
- Fossil fuels policy positions and investments based on parent company's (AGL) response.
- ActewAGL is of the view that they engage in demand management as they have an arrangement with one large customer that allows them to call on the output of their backup diesel generator at times of extremely high demand. We did not classify this arrangement as Demand Management program.

Jacana Energy

Operates in: NT

Responded to survey: YES

Score: 4.8

Key Points

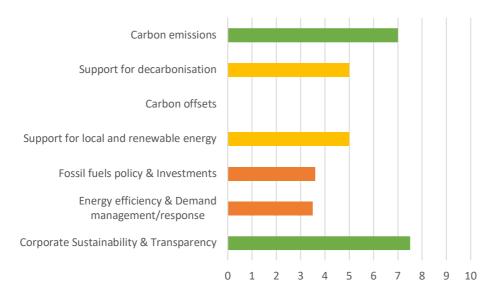
Solar export price(s) above NEM average and provides equitable solar offers

Offers comprehensive energy efficiency information

No public position on fossil fuels

Owns generation assets (via parent company) but emission intensity lower than NEM average

Does not offer GreenPower or other carbon offsets



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.5615 tCO2e/MWh	7.0	Position on CSG	No position	4.0
	Criteria score:	7.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future plans unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future plans unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (comprehensive web info)	7.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	3.5
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Higher than NEM average	10.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	5.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Jacana is a government-owned corporation and the NT Government also owns generation assets

Methodology comments

• As the only retailer in NT, Jacana's solar export price has been compared to the NEM average rather than the state average.

Ergon Energy

Operates in: QLD

Responded to survey: NO

Score: 4.7

Key Points

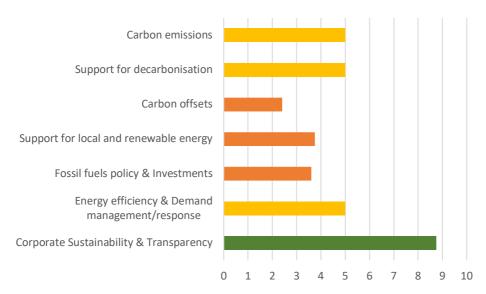
Comprehensive and accessible energy efficiency products and information

Solar export price(s) below NEM average but provides equitable solar offers

Has a higher than average price for GreenPower and the proportion of GreenPower sales is not known

No involvement in demand management/response programs, community energy project or P2P trading

Does own generation assets but emission intensity unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes	10.0
GreenPower price compared to average	Higher	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	5.0
Other offsets	No	0.0			
	Weighted criteria score:	2.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Lower than NEM average	5.0	Decarbonisation goals for own operations	Yes but credibility issues	5.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	8.8
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

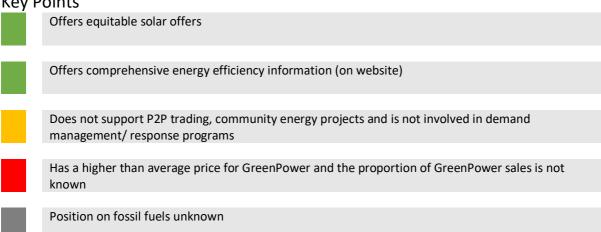
 As Ergon did not respond to survey and we have not been able to calculate emission intensity of assets, average NEM emission intensity has been applied.

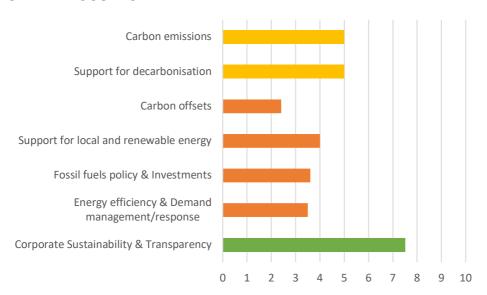


Operates in: NSW, QLD, VIC, SA Responded to survey: NO

Score: 4.4

Key Points





DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (detailed web info)	7.0
GreenPower price compared to average	Higher	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0	-	Criteria score:	3.5
Other offsets	No	0.0			
	Weighted criteria score:	2.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mostly lower	6.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	4.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

- "Pure" retailer with no generation assets.
- Parent company is Vocus Group and the retail licence is held by M2 Energy.

- Dodo does not own generation assets and is therefore assigned the average emission intensity of the NEM
- GreenPower as proportion of total sales is not known as Dodo did not respond to survey.

Pacific Hydro

Operates in: VIC

Responded to survey: NO

Score: 4.4

Key Points

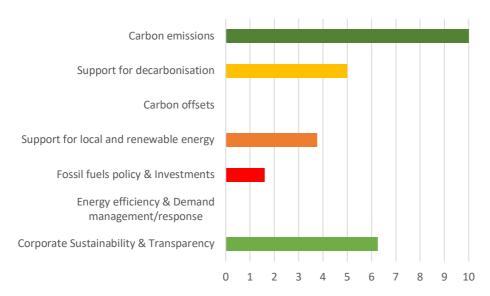
Owns mostly renewable assets, with emissions intensity close to zero

Solar export price lower than state average but provides equitable solar offers

Parent company's investments in fossil fuels and policy positions unknown

Does not promote energy efficiency or engage in demand management/ response programs

Does not offer GreenPower or other carbon offsets



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Sco
Emission intensity	0.0008 tCO2e/MWh	10.0	Position on CSG	No position	4.0
	Criteria score:	10.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Unknown	0.0
Public support for decarbonisation	No position	0.0	Investments in coal	Unknown	0.0
Compliance with RET	Complied	10.0		Criteria score:	1.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Sco
Carbon offsets	Value	Score	Promotes energy efficiency	No	0.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	0.0
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Sco
Support for local and renewable energy	Value	Score	Produces sustainability report	Not recently	5.0
FIT rate compared to jurisdictional average	Lower	5.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.
Supports local energy (P2P) trading	No	0.0		Criteria score:	6.3
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

- Pacific Hydro owns generation assets.
- Pacific Hydro is owned by China's State Power Investment Corporation (SPIC).

Methodology comments

N/A

Commander ***

Operates in: NSW, VIC, SA

Responded to survey: N/A (did not receive survey)

Score: 4.1

Key Points

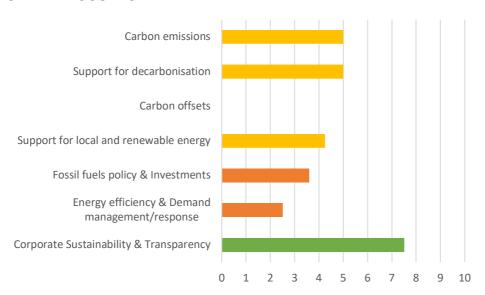
Produces a Sustainability Report

Offers equitable solar offers

Does not support P2P trading, community energy projects and is not involved in demand management/response programs

Does not offer GreenPower or other carbon offsets

Position on fossil fuels unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management // response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mixed	7.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	4.3			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

- "Pure" retailer with no generation assets.
- Parent company is Vocus Group and the retail licence is held by M2 Energy.

Methodology comments

Commander does not own generation assets and is therefore assigned the average emission intensity of the NEM.

Simply Energy ***

Operates in: ACT, NSW, QLD, VIC, SA

Responded to survey: YES

Score: 4.0

Key Points

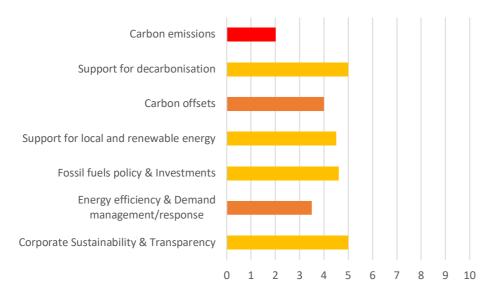
Comprehensive energy efficiency information (on website)

Solar export price(s) mostly above state average(s) and provides equitable solar offers

Parent company charged for breaching workplace safety and putting community at risk

Investments in coal power stations (via parent company), result in 2016/17 emissions intensity well above NEM average

Does not offer GreenPower or other carbon offsets



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	1.0039 tCO2e/MWh	2.0	Position on CSG	No position	4.0
	Criteria score:	2.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently and not in the future	10.0
Public support for decarbonisation	No position	0.0	Investments in coal	Currently but not in future	5.0
Compliance with RET	Complied	10.0		Criteria score:	4.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (comprehensive web info)	7.0
GreenPower price compared to average	Impossible to estimate	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0.6%	5.0	. •	Criteria score:	3.5
Other offsets	No	0.0			
	Weighted criteria score:	4.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Mostly higher	8.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	Yes	0.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	4.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Simply's parent company, Engie (previously GDF Suez), owns generation assets.

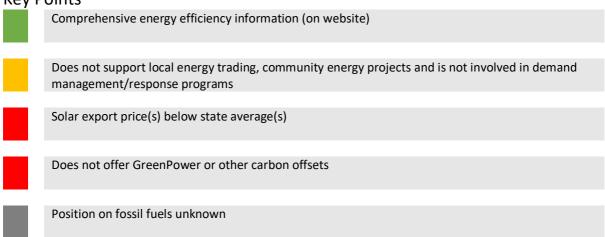
- Note that this survey includes Loy Yang B and that Simply's parent company (Engie) recently sold Loy Yang B to Alinta. This will reduce Simply's emission intensity in 2018.
- Worksafe Victoria charged the Morwell mine operator, GDF Suez, with 10 workplace safety breaches, including failing to ensure the community was not exposed to risk in 2016. We have assessed this as showing disregard for human health.

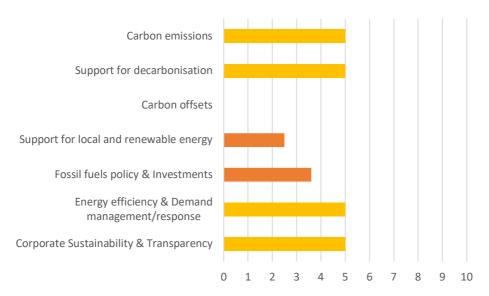
Mojo Power

Operates in: NSW, QLD Responded to survey: NO

Score: 3.8

Key Points





DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	Somewhat	5.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently and not in the future	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (comprehensive web info)	10.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	5.0
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Lower	5.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	Minor differences	5.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	2.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

Methodology comments

 Mojo does not own generation assets and is therefore assigned the average emission intensity of the NEM.

Click Energy ***

Operates in: NSW, QLD, VIC, SA Responded to survey: NO

Score: 3.8

Key Points

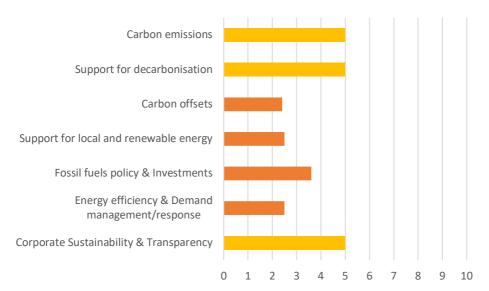
Solar export price(s) above state average(s) but the solar offers are not equitable

Complies with Renewable Energy Target requirements

Provides energy efficiency information (on website)

Position on fossil fuels unknown

Impossible to calculate GreenPower price and the GreenPower proportion of sales is not known



שאות					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Complied	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	Impossible to estimate	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	2.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Higher than average	10.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	Major differences	0.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	2.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

- "Pure" retailer with no generation assets
- Click Energy was recently purchased by Amaysim.

- Click Energy does not own generation assets and is therefore assigned the average emission intensity
 of the NEM.
- Impossible to Calculate GreenPower (GP) price as Click does not offer 100% GP and there is no base rate to compare the Click Natural product with.
- Based on a comparison of rates and discounts available to solar and non-solar customers, the best offers available to solar customers is higher than that available to non-solar customers (not including FIT or generation for own consumption).

QEnergy **

Operates in: NSW, QLD, VIC, SA

Responded to survey: N/A (did not receive survey)

Score: 3.5

Key Points

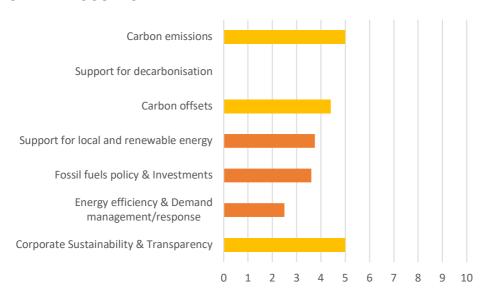
GreenPower price is lower than average

Solar export price(s) below state average(s) but provides equitable solar offers

Provides energy efficiency information (on website)

Did not comply with Renewable Energy Target requirements in 2016

Position on fossil fuels unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Non-compliance	0.0		Criteria score:	3.6
	Criteria score:	0.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	Lower	10.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	4.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Lower	5.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

- QEnergy does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- QEnergy had a shortfall of 62,671 Large-Scale Generation (LGC) certificates in 2016.

Amaysim ***

Operates in: NSW, QLD, VIC, SA Responded to survey: NO

Score: 3.3

Key Points

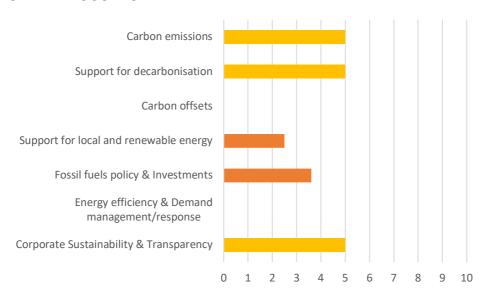
Solar export price(s) above state average(s) but does not provide equitable solar offers

Does not offer GreenPower or other carbon offsets

Does not promote energy efficiency

Position on fossil fuels unknown

New energy retailer that may improve over time



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh (and no bonus points)	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Complies (N/A)	10.0		Criteria score:	3.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	No	0.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0% (N/A)	0.0		Criteria score:	0.0
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Higher than average	10.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	Major differences	0.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	2.5			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

- "Pure" retailer with no generation assets.
- New retailer in 2017 (some survey questions therefore not applicable).

- Amaysim does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- While compliance with the Renewable Energy Target is not applicable to Amaysim (has not operated long enough to have non-compliance issues recorded) we have given them a full score based on the assumption that they will comply.
- The rates are the same for solar and non-solar customers but non-solar customers are offered higher pay on time discounts in all states except SA.

Synergy Energy

Operates in: WA

Responded to survey: NO

Score: 3.2

Key Points

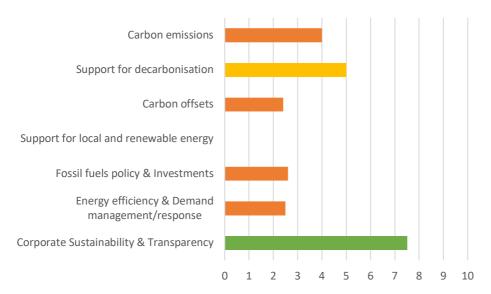
Provides energy efficiency information (on website)

Investments in coal power stations, with emissions intensity above NEM average

Does not clearly offer a price for solar export (Feed-in-Tariff)

Position on fossil fuels unknown

Impossible to calculate GreenPower price and GreenPower proportion of sales is unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8336 tCO2e/MWh	4.0	Position on CSG	No position	4.0
	Criteria score:	4.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Currently and future intentions unknown	0.0
Compliance with RET	Complied	10.0		Criteria score:	2.6
	Criteria score:	5.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	Impossible to estimate	5.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	Unknown	1.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	2.4			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Does not clearly offer FIT	0.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	N/A	N/A	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	0.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• Synergy's parent company, the WA Government, owns generation assets.

Alinta Energy

Operates in: NSW, QLD, VIC, SA Responded to survey: NO

Score: 3.1

Key Points

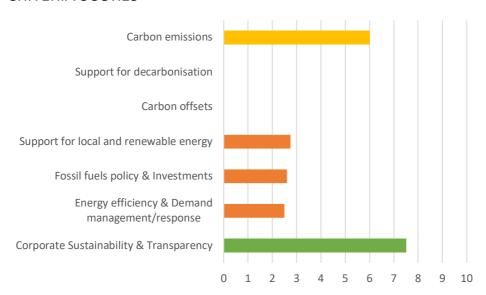
Provides energy efficiency information (on website)

Produces a Sustainability Report

Does not have a position on fossil fuels and has recently purchased a coal fired power station

Does not offer GreenPower or other carbon offsets

Did not comply with Renewable Energy Target requirements in 2016



D/ () / (
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.6604 tCO2e/MWh	6.0	Position on CSG	No position	4.0
	Criteria score:	6.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but no future policy	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Yes (recently purchased)	0.0
Compliance with RET	Non-compliance	0.0		Criteria score:	2.6
	Criteria score:	0.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	Yes	10.0
FIT rate compared to jurisdictional average	Both lower and higher	6.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	Minor differences	5.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	7.5
	Criteria score:	2.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

- Alinta is a private company owned by Hong Kong-based CTFE.
- Alinta owns generation assets and it recently purchased Loy Yang B from Engie (Simply Energy's
 parent company). Alinta's emission intensity will therefore be higher than recorded in this survey
 which is based on 2016/17 FY).

- Alinta has not complied with the RET as it has a shortfall of 200,591 Large-Scale Generation (LGC) certificates (123,052 Alinta Energy Retail Sales and 77,539 Alinta Sales) in 2016.
- In Queensland, Alinta charges solar customers a higher supply charge than non-solar customers.

GloBird Energy

Operates in: VIC

Responded to survey: YES

Score: 3.0

Key Points

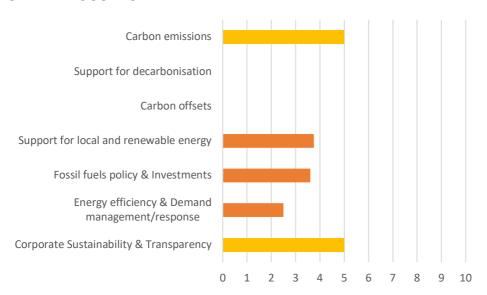
Solar export price(s) above state average

Provides energy efficiency information (on website)

Does not have a position on fossil fuels

Does not offer GreenPower or other carbon offsets

Did not comply with Renewable Energy Target requirements in 2016



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Scor
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Non-compliance	0.0		Criteria score:	3.6
	Criteria score:	0.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0	-	Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Higher than average	10.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	Minor differences	5.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

- GloBird does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- GloBird had a shortfall of 3,675 Large-Scale Generation (LGC) certificates in 2016.

People Energy ***

Operates in: VIC

Responded to survey: NO

Score: 3.0

Key Points

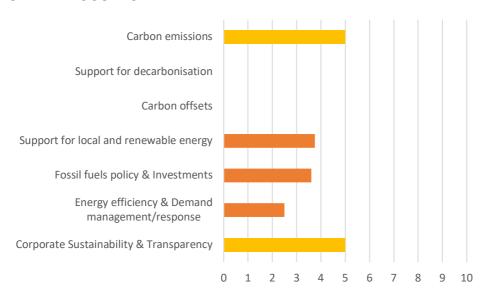
Provides energy efficiency information (on website)

Solar export price(s) below state average but provides equitable solar offers

Did not comply with Renewable Energy Target requirements in 2016

Does not offer GreenPower or other carbon offsets

Position on fossil fuels unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
	No position	4.0			
	Criteria score:	5.0	Position on coal	No position	4.0
			•	No	0.0
• • • • • • • • • • • • • • • • • • • •	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
• •	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Non-compliance	0.0		Criteria score:	3.6
	Criteria score:	0.0			
			demand management	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
•	No GreenPower	0.0	management / response	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			transparency and	Value	Score
• •	Value	Score	•	No	0.0
•	Lower than average	5.0	•	No	0.0
	No difference	10.0	Engaged in greenwash	No	10.0
community projects and/or solar battery	No	0.0	9	No	10.0
	No			Criteria score:	5.0
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

- People Energy does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- People Energy had a shortfall of 6,129 Large-Scale Generation (LGC) certificates in 2016.

Sumo Power

Operates in: VIC

Responded to survey: NO

Score: 2.8

Key Points

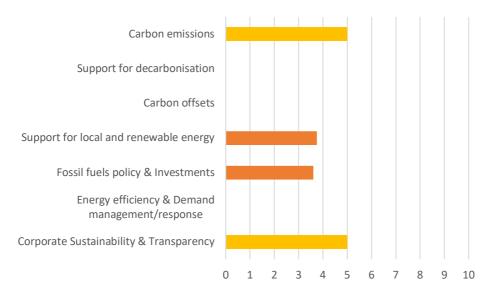
Solar export price(s) below state average but provides equitable solar offers

Did not comply with Renewable Energy Target requirements in 2016

Does not promote energy efficiency

Does not offer GreenPower or other carbon offsets

Position on fossil fuels unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Non-compliance	0.0		Criteria score:	3.6
	Criteria score:	0.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	No	0.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	0.0
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Lower	5.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	No difference	10.0	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	3.8			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

"Pure" retailer with no generation assets.

- Sumo does not own generation assets and is therefore assigned the average emission intensity of the
- Sumo had a shortfall of 7,836 Large-Scale Generation (LGC) certificates in 2016.

CovaU 🎓 🏗

Operates in: NSW, VIC Responded to survey: NO

Score: 2.3

Key Points

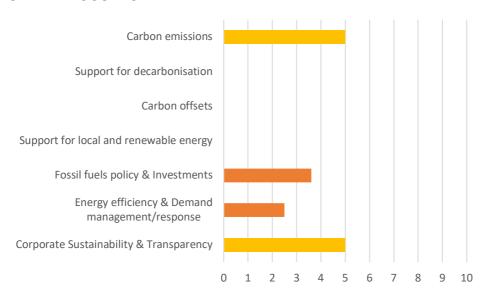
Provides energy efficiency information (on website)

Did not comply with Renewable Energy Target requirements in 2016

Does not clearly offer a price for solar export/feed-in-tariff

Does not offer GreenPower or other carbon offsets

Position on fossil fuels unknown



DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	investment 0.8 tCO2e/MWh 5.0 Position on CSG No position	4.0			
	Criteria score:	5.0	Position on coal	No position	4.0
			•	No	0.0
Support for energy sector decarbonisation		Score	Investments in CSG	•	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	· · · · · · · · · · · · · · · · · · ·	5.0
Compliance with RET	Non-compliance	0.0		Criteria score:	3.6
	Criteria score:	0.0			
			demand management	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	Yes (web info only)	5.0
GreenPower price compared to average	No GreenPower	0.0	management / response	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	2.5
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			transparency and	Value	Score
Support for local and renewable energy	Value	Score	•	No	0.0
FIT rate compared to jurisdictional average	•	0.0	9	No	0.0
Equity of solar products (compared to non-solar)	N/A	N/A	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	9	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	0.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

- CovaU does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- CovaU had a shortfall of 26,581 Large-Scale Generation (LGC) certificates in 2016.
- CovaU does not clearly and transparently offer a solar export rate/feed-in-tariff.

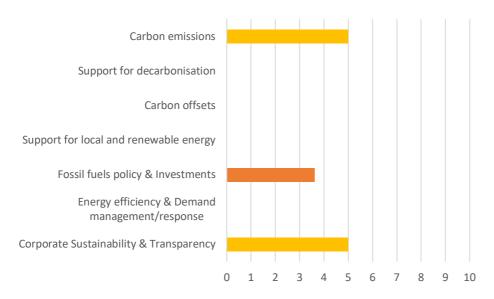
1st Energy 🎓

Operates in: NSW, QLD, VIC Responded to survey: NO

Score: 2.0

Key Points





DATA					
Carbon emissions	Value	Score	Fossil Fuels policy and investment	Value	Score
Emission intensity	0.8 tCO2e/MWh	5.0	Position on CSG	No position	4.0
	Criteria score:	5.0	Position on coal	No position	4.0
			Actions taken to move away from fossil fuels	No	0.0
Support for energy sector decarbonisation	Value	Score	Investments in CSG	Not currently but future intentions unknown	5.0
Public support for decarbonisation	No position	0.0	Investments in coal	Not currently but future intentions unknown	5.0
Compliance with RET	Non-compliance	0.0		Criteria score:	3.6
	Criteria score:	0.0			
			Energy efficiency and demand management /response	Value	Score
Carbon offsets	Value	Score	Promotes energy efficiency	No	0.0
GreenPower price compared to average	No GreenPower	0.0	Engages in demand management / response programs	No	0.0
GreenPower sales (%)	0%	0.0		Criteria score:	0.0
Other offsets	No	0.0			
	Weighted criteria score:	0.0			
			Corporate sustainability, transparency and responsibility	Value	Score
Support for local and renewable energy	Value	Score	Produces sustainability report	No	0.0
FIT rate compared to jurisdictional average	Does not clearly offer FIT	0.0	Decarbonisation goals for own operations	No	0.0
Equity of solar products (compared to non-solar)	N/A	N/A	Engaged in greenwash	No	10.0
Tariffs supporting community projects and/or solar battery	No	0.0	Shown disregard for human or ecosystem health	No	10.0
Supports local energy (P2P) trading	No	0.0		Criteria score:	5.0
	Criteria score:	0.0			

Note that these are the raw scores out of 10 for each sub-criteria, which are then weighted to produce the element scores and final overall score (see Results Explainer).

Notes

• "Pure" retailer with no generation assets.

- 1st Energy does not own generation assets and is therefore assigned the average emission intensity of the NEM.
- Non-compliance with Renewable Energy Target as 1st Energy had a shortfall of 4,973 Large-Scale Generation (LGC) certificates in 2016.
- 1st Energy does not clearly and transparently offer a solar export rate/feed-in-tariff. Under the FAQ section on its website, it states "Can I join 1st Energy if I have Solar Panels? Of course! Please give us a call on 1300 426 594 and we will be happy to talk through our options."