



PUBLIC DISCLOSURE STATEMENT

MERIDIAN ENERGY AUSTRALIA

**ORGANISATION CERTIFICATION
CY2020**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Meridian Energy Australia

REPORTING PERIOD: Calendar year 1 January 2020 – 31 December 2020

To the best of my knowledge, the information provided in this Public Disclosure Statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.

Signature

Nathan McEwan

Date: 27 / 01 / 2022

Name of Signatory:

Nathan McEwan

Position of Signatory:

Chief Customer Officer



Australian Government

**Department of Industry, Science,
Energy and Resources**

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Version number February 2021

1. CARBON NEUTRAL INFORMATION

Description of certification

This Public Disclosure Statement (PDS) supports Meridian Energy Australia's (MEA) (ABN 88 143 533 322) ongoing accreditation under the Climate Active, Carbon Neutral Program that covers MEA's Carbon Neutral corporate 'Organisation' accreditation. It details for the 1 January 2020 to 31 December 2020 period:

- All emissions associated with the operation of the business, except for the electricity and gas product sold by Powershop;
- how we define and measure those emissions; and
- how we use Verified Carbon Units and Carbon Emissions Reduction certificates to neutralise the impact made by business operations.

“Our Climate Active Organisation accreditation is something we are exceptionally proud of at MEA. It is a sign of us leading the energy industry on taking action on climate change.”

As touched on above, the Powershop retail business is also accredited under the Climate Active program for the electricity and gas 'Product' retailed to customers. The two 'Product' accreditations have a separate PDS's: <https://www.climateactive.org.au/buy-climate-active/certified-members/powershop>.

MEA has prepared this inventory based on the Climate Active standard and its associated guidance documents.

Based on an operational consolidation approach, the entities and sites included are:

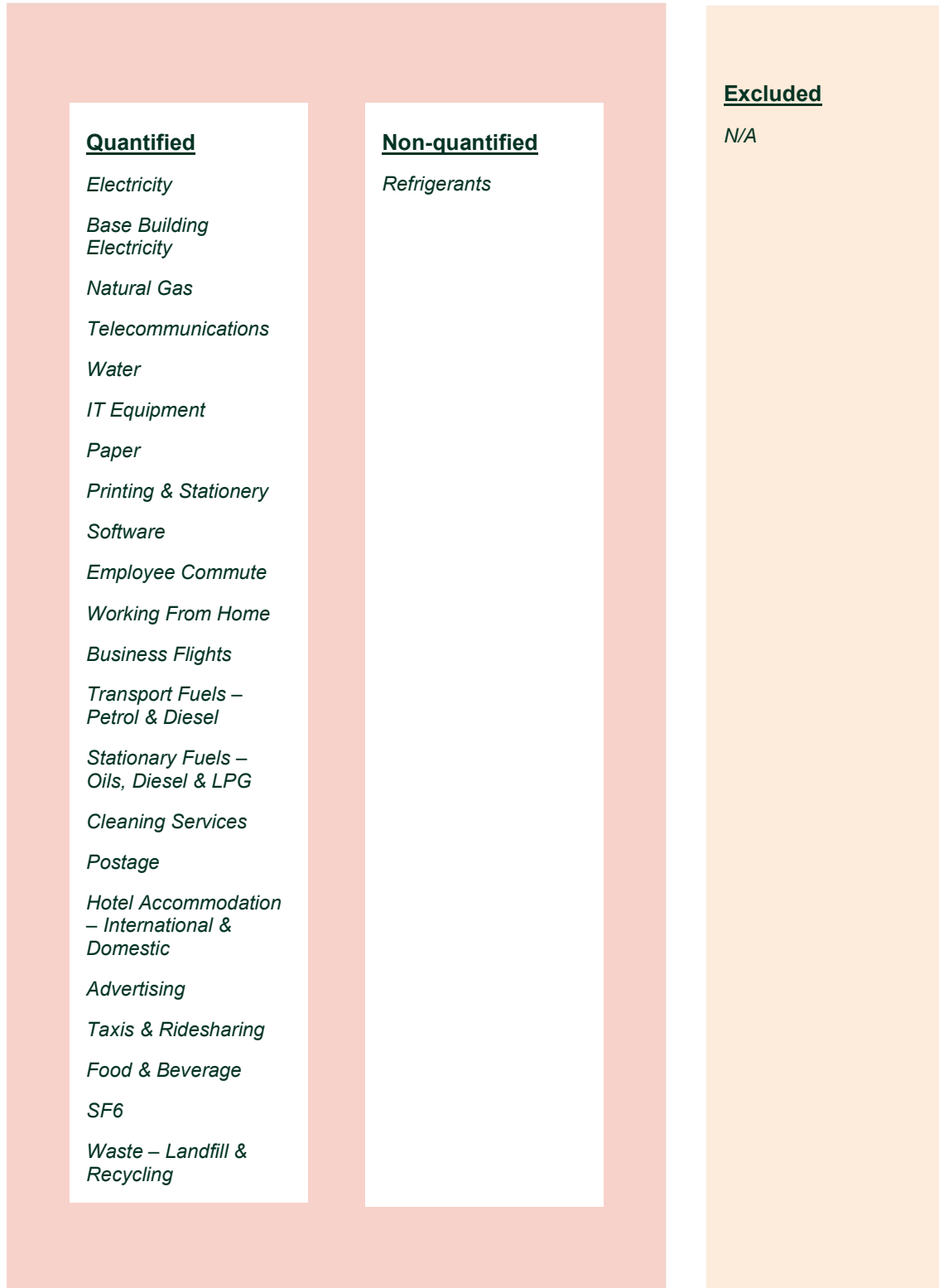
- Meridian Energy Australia Pty Ltd;
- GSP Energy Pty Ltd (owns and operates 3 hydro power stations);
- Mt Mercer Windfarm Pty Ltd;
- Mt Millar Wind Farm Pty Ltd; and
- Powershop Australia Pty Ltd.

Organisation description

Meridian Energy Australia Pty Ltd (MEA) has a proud heritage of exclusively harnessing our earth's energy in generating affordable electricity through the Mt Millar and Mt Mercer wind farms, as well as the Hume, Burrinjuck and Keepit hydroelectric dams. Combined these assets generate approximately 874 GWh of electricity. MEA's retail arm Powershop Australia Pty Ltd (Powershop), born sustainable, has led the Australia retail energy market by connecting and educating customers about the climate positive impacts of renewable energy generation and personal carbon footprint reduction via carbon neutral energy products.

2. EMISSION BOUNDARY

Diagram of the certification boundary



Non-quantified sources

Refrigerants have been non-quantified due to being immaterial.

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

3. EMISSIONS SUMMARY

Emissions reduction strategy

MEA remains committed to further pursuing emissions reduction even after significant progress in 2019 and despite the growing nature of our business, staff numbers and operating locations. Because of this, MEA has declared its support of Net Zero by 2050 and has committed to developing a robust and meaningful emission reduction strategy that accounts for our growing business and changes to business operations in post covid world over the next two years.

Emissions over time

MEA has experienced a growth in emissions attributable to the growth and size of the business since the base year reporting period. Since its base year, MEA now owns and operates three hydro power stations which have led to an increase in operational activities including an increase in contractors visiting MEA sites for maintenance, and the number of full time employees has also increased. Increasing scope 1 emissions. Compared to the previous year of CY2019 there was a decrease of 85% with the diesel oil usage which is mainly due to a reduction in travel due to COVID-19.

Table 1

| Emissions since base year | | | | | | |
|--------------------------------|---------------------------------|--------------------|--------------------|---|-------------------|-----------------------------------|
| | Base year Year 1: 2014-15 | Year 2: 2015-16 | Year 3: 2016-17 | Year 4: 2017-18 (18 month report) | Year 5: CY2019 | Current year Year 6: CY2020 |
| <i>Total tCO₂-e</i> | 272 | 299 | 305 | 1,757 | 2,245 | 2,252 |

Emissions reduction actions

MEA continues to access green power for all sites where available, throughout the year despite lockdown conditions across all MEA sites we prioritized the continuation of all waste management and recycling programs. Due to operating conditions, we had a reduction in air travel and accommodation, which we expect to continue into 2021 and beyond.

Emissions summary (inventory)

Table 2

| Emission source category | tonnes CO ₂ -e |
|-------------------------------|---------------------------|
| Accommodation and facilities | 1.682 |
| Air Transport (km) | 34.457 |
| Cleaning and Chemicals | 22.705 |
| Electricity | 826.137 |
| Food | 14.130 |
| ICT services and equipment | 83.958 |
| Land and Sea Transport (fuel) | 173.467 |
| Land and Sea Transport (km) | 38.747 |
| Office equipment & supplies | 10.487 |
| Postage, courier and freight | 6.755 |
| Professional Services | 880.400 |
| Refrigerants | 0.851 |
| Stationary Energy | 72.310 |
| Taxis | 1.118 |
| Waste | 54.866 |
| Water | 0.803 |
| Working from home | 28.752 |
| Total Net Emissions | 2,251.624 |

Uplift factors

Table 3

| Reason for uplift factor | tonnes CO ₂ -e |
|---|---------------------------|
| N/A | |
| <i>Total footprint to offset (uplift factors + net emissions)</i> | 2,251.624 |

Carbon neutral products

Meridian uses Planet Ark 100% recycled carbon neutral paper.

Electricity summary

Electricity was calculated using a market-based approach.

Market-based approach summary

Table 4

| Market-based approach | Activity Data (kWh) | Emissions (kgCO ₂ -e) | Renewable % |
|--|---------------------|----------------------------------|-------------|
| Behind the meter consumption of electricity generated | 0 | 0 | 0% |
| Total non-grid electricity | 0 | 0 | 0% |
| LGC Purchased and retired (kWh) (including PPAs) | 0 | 0 | 0% |
| GreenPower | 52,419 | 0 | 5% |
| Jurisdictional renewables (LGCs retired) | 0 | 0 | 0% |
| Jurisdictional renewables (LRET) (applied to ACT grid electricity) | 0 | 0 | 0% |
| Large Scale Renewable Energy Target (applied to grid electricity only) | 195,909 | 0 | 19% |
| Residual Electricity | 766,218 | 826,137 | 0% |
| Total grid electricity | 1,014,545 | 826,137 | 24% |
| Total Electricity Consumed (grid + non grid) | 1,014,545 | 826,137 | 24% |
| Electricity renewables | 248,327 | 0 | |
| Residual Electricity | 766,218 | 826,137 | |
| Exported on-site generated electricity | 0 | 0 | |
| Emission Footprint (kgCO ₂ -e) | | 826,137 | |

| | |
|---|---------------|
| Emission Footprint (tCO₂-e) | 826 |
| LRET renewables | 19.31% |
| Voluntary Renewable Electricity | 5.17% |
| Total renewables | 24.48% |

Location-based approach summary

Table 5

| Location-based approach | Activity Data (kWh) | Emissions (kgCO ₂ -e) |
|--|---------------------|----------------------------------|
| NSW | 483,702 | 435,332 |
| SA | 94,611 | 49,198 |
| Vic | 436,232 | 475,493 |
| Grid electricity (scope 2 and 3) | 1,014,545 | 960,023 |
| NSW | 0 | 0 |
| SA | 0 | 0 |
| Vic | 0 | 0 |
| Non-grid electricity (Behind the meter) | 0 | 0 |
| Total Electricity Consumed | 1,014,545 | 960,023 |

| | |
|---|------------|
| Emission Footprint (tCO₂-e) | 960 |
|---|------------|

4. CARBON OFFSETS

Offsets strategy

Table 6

| Offset purchasing strategy: | |
|--|-------|
| In arrears | |
| 1. Total offsets previously forward purchased and banked for this report | 100 |
| 2. Total emissions liability to offset for this report | 2,252 |
| 3. Net offset balance for this reporting period | 2,152 |
| 4. Total offsets to be forward purchased to offset the next reporting period | 193 |
| 5. Total offsets required for this report | 2,345 |

Co-benefits

Redd Forests Grouped Project: Protection of Tasmanian Native Forest

In addition to its climate change benefits, the project helps to protect and restore Tasmania's valuable native forests, which provide a habitat for a number of endangered species including the wedge-tailed eagle, spotted quoll and the iconic Tasmanian devil. It has also created new employment opportunities in the forestry sector, and ecotourism opportunities through the enhancement of the landscape. Furthermore, the project has provided income diversification and stabilisation for local landowners, thereby enabling them to set the land aside for conservation purposes only, and manage it in a way that encourages natural regeneration of the forest. In addition, landholders are keen to raise awareness of their efforts to protect this unique forest landscape by facilitating visits to the area to see first-hand the benefits this project brings.

Brazil Gas landfill Project

The project activity promotes a significant positive impact towards sustainable development in Brazil. First, while reducing methane emissions, it also minimises the risk of explosions in the landfill site (although the Central de Resíduos do Recreio Landfill's engineering and design specifically aims to avoid these types of accidents). Secondly, given the fact that at the time of the project design initial conceptualisation, initiatives of this type were relatively new in Brazil, at that time it was assumed that the implementation and operation of the project activity would represent a significant technology transfer. Thirdly, while specialised operators are needed for the project operation, that represents positive impact in terms of employment and capacity-building in the region. The aforementioned elements concur in making the project extremely vital in the context of sustainable development.

While the project activity also encompasses generation of electricity from a non-conventional renewable energy source, the installation and operation of the project's electricity generation facility also represents promotion of additional local job opportunities (for building and operating the project's electricity generation facility). The project's electricity generation facility fuelled by LFG is expected to be used as a relevant technological demonstration initiative in the Southern region of Brazil for the promotion of electricity generation using non-conventional renewable energy source. The use of LFG as fuel for electricity generation is still not common practice in Brazil. It is the intention of the project participant to establish cooperation agreements with local NGOs, academia and community in order to demonstrate and promote this type of initiative.

Offsets summary

Proof of cancellation of offset units

Table 7

| Offsets cancelled for Climate Active Carbon Neutral Certification | | | | | | | | | | |
|--|----------------------|----------|--------------|--|---------|---|--|--|---|-------------------------|
| Project description | Type of offset units | Registry | Date retired | Serial number (and hyperlink to registry transaction record) | Vintage | Eligible Quantity (tCO ₂ -e) | Quantity used for previous reporting periods | Quantity banked for future reporting periods | Quantity used for this reporting period claim | Percentage of total (%) |
| Redd Forests Grouped Project: Protection of Tasmanian Native Forest | VCUs | Verra | 21 May 2020 | 3291-148286766-148286965-VCU-016-MER-AU-14-641-16042012-15042013-0 | 2013 | 200 | 100 | 0 | 100 | 4% |
| Brazil Gas landfill Project | CERs | ANREU | 24 Apr 2021 | 98,054,632 - 98,056,976 | 2013 | 2,345 | 0 | 193 | 2,152 | 96% |
| Total offsets retired this report and used in this report | | | | | | | | | 2,252 | |
| Total offsets retired this report and banked for future reports | | | | | | | | | 193 | |

| Type of offset units | Quantity (used for this reporting period claim) | Percentage of Total |
|---------------------------------------|---|---------------------|
| Verified Carbon Units (VCUs) | 100 | 4% |
| Certified Emissions Reductions (CERs) | 2,152 | 96% |

5. USE OF TRADE MARK

Table 8

| Description where trademark used | Logo type |
|--|------------------------|
| Blog post: https://www.powershop.com.au/blog/its-officialpowershop-is-the-only-power-company-to-be-accredited100-carbon-neutral-for-both-gas-and-electricity/ | Certified Organisation |
| Website: https://www.powershop.com.au/about-us/ | Certified Organisation |

6. ADDITIONAL INFORMATION

N/A

APPENDIX 1

Excluded emissions

To be deemed relevant an emission must meet two of the five relevance criteria. Excluded emissions are detailed below against each of the five criteria.

Table 9

| Relevance test | | | | | |
|---------------------------|---|--|---|---|--|
| Excluded emission sources | <i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i> | <i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i> | <i>Key stakeholders deem the emissions from a particular source are relevant.</i> | <i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i> | <i>The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.</i> |

N/A

APPENDIX 2

Non-quantified emissions for organisations

Table 10

| Non-quantification test | | | | |
|--|--|--|---|---|
| Relevant-non-quantified emission sources | <i>Immaterial <1% for individual items and no more than 5% collectively</i> | <i>Quantification is not cost effective relative to the size of the emission but uplift applied.</i> | <i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i> | <i>Initial emissions non-quantified but repairs and replacements quantified</i> |
| Refrigerants | Yes | No | No | No |

APPENDIX 3

Proof of retirements



27 April 2021

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Carbon Financial Services Pty Ltd (account number AU-2321).

The details of the cancellation is as follows:

| | |
|------------------------------------|---|
| Date of transaction | 24 April 2021 |
| Transaction ID: | AU18119 |
| Type of units | CER |
| Number of units | 2,345 |
| Serial number range | 98,054,632 – 98,056,976 |
| Associated Kyoto Project ID | BR-648 |
| Transaction comment | Meridian Energy Australia organisation accreditation Climate Active CAL2020 |

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website,

<http://www.cleanenergyregulator.gov.au/OSR/ANREU/Data-and-information>

If you require additional information about the above transactions, please email [registry-](mailto:registry-contact@cleanenergyregulator.gov.au)

contact@cleanenergyregulator.gov.au

Yours sincerely,

David O'Toole
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