



PUBLIC DISCLOSURE STATEMENT

POWERSHOP AUSTRALIA PTY LTD


**GAS PRODUCT CERTIFICATION
CY2022**

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Powershop Australia Pty Ltd
REPORTING PERIOD	Calendar year 1 January 2022 – 31 December 2022 Arrears report
DECLARATION	<p><i>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.</i></p>  <p>Michael Benveniste GM Commercial & Future Energy B2C 4 July 2024</p>



Australian Government
**Department of Climate Change, Energy,
the Environment and Water**

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Version March 2023.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	113,047 tCO2-e
THE OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Pangolin Associates

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2. CARBON NEUTRAL INFORMATION

Description of certification

This Public Disclosure Statement (PDS) supports Powershop's certification under the Climate Active Carbon Neutral Standard in relation to Powershop's Carbon Neutral Gas Product certification for the period 1 January 2022 – 31 December 2022. This PDS describes:

- The emissions associated with retailer gas products sold to customers;
- How we define and measure those emissions; and
- How we use Australian Carbon Credit Units, Verified Carbon Units and Carbon Emissions Reductions certificates to neutralise the impact made by retailer gas products.

Powershop Australia Pty Ltd (ABN 41 154 914 075) (Powershop) has prepared this PDS based on the Climate Active standard and its associated guidance documents. Powershop also has a separate accreditation for its electricity product. The information and statements in this PDS relate to the calendar year 2022.

The emissions attributable to Powershop's business operations for calendar year 2022 have been apportioned between the Electricity and Gas Product certifications, based on the number of customers for each product.

Product description

This PDS covers all emissions associated with the gas consumed by Powershop customers on any of their products or offers. When a customer joined Powershop via an eligible product or offer during calendar year 2022, their gas usage was 100% carbon offset at no additional fee, and customers did not need to opt-in to access this benefit. The assessment is from cradle to grave.

The functional unit for the gas product is **gigajoules (GJ) of natural gas sold per customer per year**.

3. EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as 'attributable processes' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

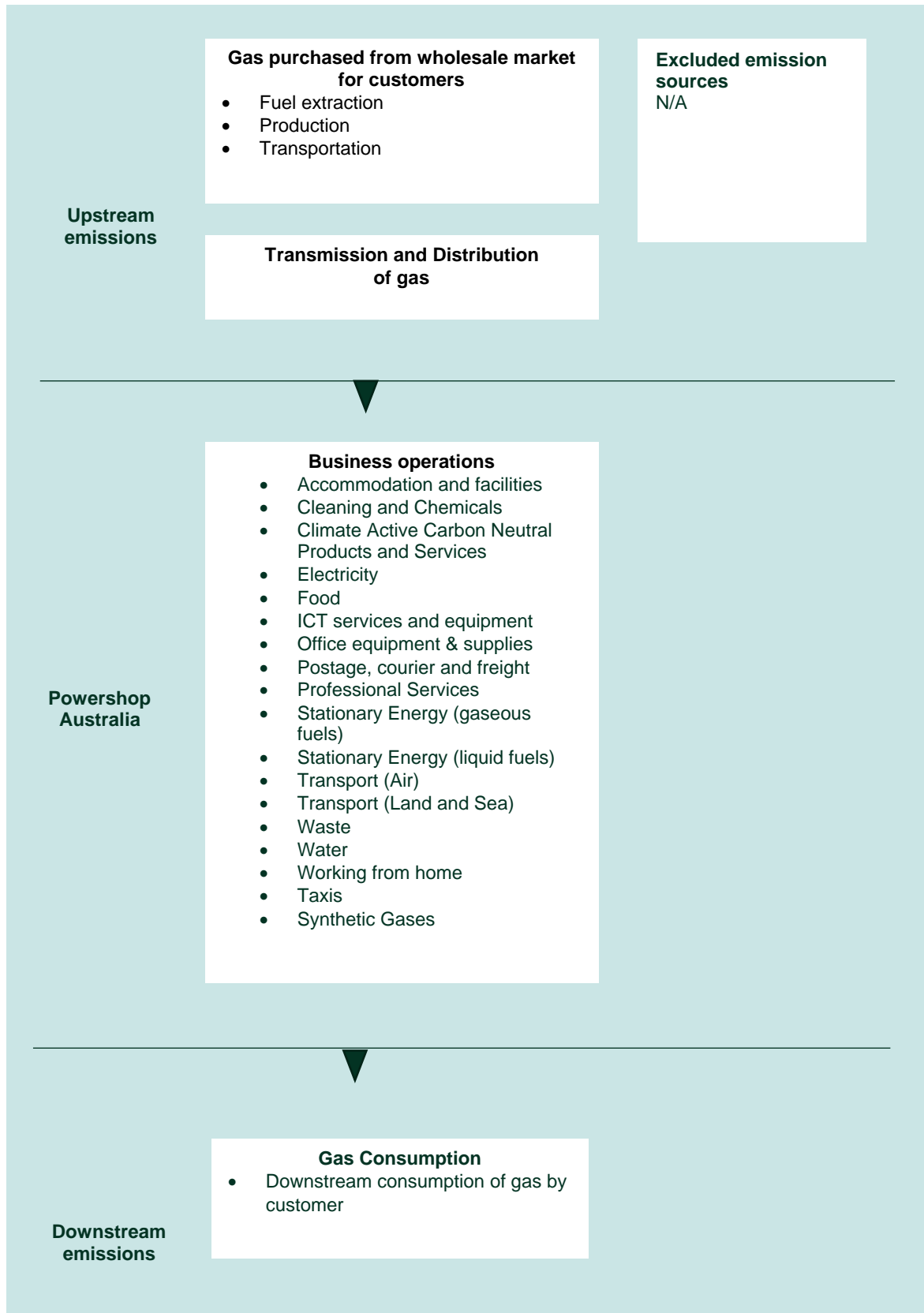
Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Inside emissions boundary		Outside emission boundary
<p><u>Quantified</u> Stationary Energy (gaseous fuels) sold Organisation: *</p> <ul style="list-style-type: none"> • Accommodation and facilities • Cleaning and Chemicals • Climate Active Carbon Neutral Products and Services • Electricity • Food • ICT services and equipment • Office equipment & supplies • Postage, courier and freight • Professional Services • Stationary Energy (gaseous fuels) • Stationary Energy (liquid fuels) • Transport (Air) • Transport (Land and Sea) • Waste • Water • Working from home • Taxis • Synthetic Gases 	<p><u>Non-quantified</u> N/A</p>	<p><u>Non-attributable</u> N/A</p>

**Note, attributable emissions from Powershop's business operations have been apportioned between the Electricity and Gas product certifications, based on the number of customers for each product.*

Product process diagram

The following diagram is cradle-to-grave:



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

On 1 February 2022, Powershop was acquired by Shell Energy Operations Pty Ltd, a wholly owned subsidiary of Shell plc and became part of the global Shell group. Unless otherwise stated, references to “Shell” are references to the global Shell group, and references to “Shell Energy” are references to Shell’s business in Australia, which Powershop is part of. Information about Shell’s climate targets and emissions transition strategy is available at <https://www.shell.com/sustainability/our-climate-target.html> and <https://www.shell.com/sustainability/our-climate-target/shell-energy-transition-strategy.html>.

The information in this section is current at June 2024 and includes activities and developments after calendar year 2022.

Shell’s climate target

Shell has set a target to become a net-zero emissions energy business by 2050.¹ This target means net-zero carbon emissions from operations (Scope 1 & 2 emissions) and the energy products that are sold (Scope 3), including those produced by others, which currently account for over 90% of the total emissions reported. Further specific targets include:

- Reducing absolute emissions by 50% by 2030, compared to 2016 levels on a net basis. This covers all emissions in Scope 1, which come directly from operations, and Scope 2, from the energy purchased to run operations.
- By 2025, eliminate routine flaring of natural gas, which generates carbon emissions, from upstream operations.²
- Maintain methane emissions intensity below 0.2% and achieve near-zero methane emissions by 2030.
- Introducing a range of 15-20% for the target to reduce net carbon intensity (NCI)³ by 2030. NCI measures emissions associated with each unit of energy sold. It reflects changes in sales of oil and gas products, and changes in sales of low- and zero-carbon products and services — such as biofuels, hydrogen and renewable electricity.
- Reduce customer emissions from the use of Shell’s oil products by 15-20% by 2030 compared to 2021 (Scope 3, Category 11), a reduction of more than 40% compared with 2016 reported emissions.

Shell’s actions

To decarbonise Shell’s group operations, it is:

- investing in new, lower-carbon energy solutions (US\$10-15 billion to be invested in low-carbon solutions globally between now and 2025);

¹ <https://www.shell.com/sustainability/our-climate-target.html>

² Subject to completion of the sale of Shell Petroleum Development Company of Nigeria Limited (SPDC)

³ Shell’s NCI is the average intensity, weighted by sales volume, of the energy products sold by Shell. It is tracked, measured and reported using our Net Carbon Footprint (NCF) methodology.

- decommissioning and divesting assets and reducing production through the natural decline of existing oil and gas fields;
- improving the energy efficiency of operations;
- transforming remaining integrated refineries into low-carbon energy and chemicals parks, which involves decommissioning plants;
- using more renewable electricity to power operations;
- developing carbon capture and storage (CCS) for its facilities; and
- reducing methane emissions.

In addition, Shell is providing more lower-carbon energy solutions such as charging for electric vehicles, hydrogen and electricity generated by solar and wind power, and using technology to safely capture and store carbon emissions. For remaining emissions, Shell offers carbon credits including from nature-based projects. Shell is also working with customers as they make changes too, including in areas of transport that are harder to decarbonise – such as aviation, shipping and road freight – as well as heavy industry.

Shell Energy in Australia

Shell Energy is Shell's renewables and energy business in Australia. Shell Energy is helping to build a low-carbon energy system in Australia through a diversified and integrated portfolio that delivers a broad range of decarbonisation solutions and services to business and residential customers. Shell Energy in Australia has a 5GW pipeline of low carbon projects, targeting renewable portfolio of at least 4GW in operation by 2032. Shell Energy's investment, collaboration and partnerships in Australia play an important role in shaping its existing portfolio and development pipeline including:

- part ownership of WestWind Energy Development Pty Ltd who has a wind project pipeline across Victoria, New South Wales and Queensland.
- **Gangarri Solar Farm**, a 120-megawatt (MW) solar farm located in Queensland, owned by Shell New Energies Australia Pty Ltd. The solar project is currently in commissioning and testing phase. Once fully operational, it will generate enough energy to power the equivalent of over 50,000 homes.
- Shell's first global acquisition of a carbon farming company, **Select Carbon**. Select Carbon will help advance net-zero emissions vision while also giving customers an opportunity to offset the emissions generated when using Shell products, such as through carbon credits.
- Grid-scale battery energy storage systems (BESS) have a vital role to play in the journey to a lower-carbon future, helping to address the intermittency of renewables like solar and wind, and assisting to make electricity supplies more affordable and resilient. Shell Energy's investments in grid scale BESS include:
 - Shell Energy has partnered with Eku Energy to deliver the **200MW / 400MWh Rangebank BESS** in Cranbourne, Victoria.
 - Shell Energy holds full operational rights to **The Riverina Energy Storage System 1** a 60MW/120MWh BESS, located in the Riverina region of NSW, helping to build a stronger and more resilient power system in NSW.

- Shell Energy and AMPYR Australia are jointly developing the 300MW.600MWh Stage 1 of the **500MW/1000MWh Wellington** battery located in Central West NSW which will support renewable generation and contributing to improved reliability for the grid and consumers.
- The **Kondinin Energy** project is located approximately 245km east of Perth and comprises various stages of 370MW of developments across wind, solar and battery energy storage system (BESS) assets, and is a joint development with Foresight Group.

In its energy solutions business, Shell Energy works with commercial and industrial electricity customers to help them achieve their own carbon reduction and net zero targets by undertaking projects to improve energy efficiency, implement on site renewable energy generation and demand response, and optimise energy productivity.

With support from the Australian Renewable Energy Agency (ARENA), Shell Energy is undertaking a Smart Energy Hubs pilot project to implement energy load control at 40 commercial and industrial customer sites to demonstrate flexible demand capacity. The pilot program includes shopping centres, supermarkets and a refrigerated distribution centre in Queensland, New South Wales and Victoria to demonstrate an estimated 21.5 MW of flexible demand capacity.

Shell Energy's retail electricity customers are able to purchase GreenPower, and renewable energy via additional large scale generation certificates. Power purchase agreements are another option that is available to assist customers notionally purchase renewable energy. More information about Shell Energy's retail renewable energy contracting options is available at www.shellenergy.com.au/electricity-gas/renewable-energy/.

Powershop

Powershop is a part of Shell Energy and sells energy to homes and businesses in VIC, NSW, south-east QLD and SA. Powershop is committed to enabling a better energy future for our customer's lifestyles.

Powershop's Gas Product has been certified with Climate Active since 2018.

In line with the Shell Group's climate targets, Powershop is committed to helping Australia get to net zero emissions by 2050, by helping residential and small business customers through:

- Customer decarbonisation through solar: Powershop has supported residential solar customers and through various partnerships and products, assisted residential home owners and investors to maximise the long-term benefits of installing or utilising PV solar panels.
- Supporting battery uptake to improve solar utilisation: we have invested in technology to help consumers unlock the growing opportunity with residential battery storage via a Virtual Power Plant (VPP) - providing flexible and storage firming solutions to assist customers to manage their usage and emissions in future.
- Promoting decarbonisation of transport: in 2019, we led the way by introducing Australia's first EV charging plan and are committed to making adoption of EVs as simple and convenient for as many people as possible. We are committed to launching new plans and products to enable customers to decarbonise their transport emissions in ways that suits their lifestyles.

- Promoting GreenPower: customers can purchase GreenPower Powerpacks in the Powershop app to displace electricity usage with certified renewable energy that has no net greenhouse gas emissions. When customers purchase GreenPower, additional Renewable Energy Certificates (RECs) are surrendered over and above the compulsory requirements set by the Renewable Energy Target, which demonstrates that there's a demand for renewables leading to continued growth and investment in the renewable energy sector.
- Emissions reduction and carbon neutrality: Powershop has offered customers the option of purchasing an electricity plan that has been certified 100% carbon neutral since 2014.
- Visibility and control: since 2012, we have been helping customers use less power with our market-leading app, which provides visibility over when and how they use energy, including solar insights and monitoring tools to help customers use their onsite solar generation.

For the purposes of the Climate Active Gas Product certification, Powershop procures gas from suppliers. The emissions intensity of the gas is largely dependent on the suppliers' production and distribution activities, as well as the method of consumption by the end user. Powershop does not have a specific strategy for reducing the emissions intensity of this gas product certified under Climate Active beyond carbon offsetting and providing customers insights and access to how they use the energy.

Strategy	Action
<p>Education and insights</p> <p>Our energy app allows customers to track and manage their energy consumption to help reduce their usage, carbon footprint and their bill.</p>	<p>Seasonal energy savings</p> <p>Seasonal energy management campaigns and bulk savings powerpacks, e.g. “Summer Gas Bulk Savings” and “Serving up Summer value”, raise awareness of seasonal usage and help customers manage their energy usage and costs.</p>

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity (tCO ₂ -e / gigajoule / customer)
Base year/Year 1:	2018	10,323	530.75
Year 2:	2019	57,185	1,281.60
Year 3:	2020	94,129	2,085.27
Year 4:	2021	103,921	2,586.39
Year 5:	2022	113,047	3,019.50

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Organisational component	0	1,055.19	The organisational component, previously reported separately, has been absorbed into the gas and electricity product certifications as of 2022 (apportioned between customer numbers for each product).

Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
Pangolin Associates	Climate Active submission
Reflex	Paper

Emissions summary

Stage / Attributable Process / Source	tCO ₂ -e
Overall product emissions	111,991.47
Organisational component	1,055.19

Emissions intensity per functional unit (tCO ₂ -e/GJ/Customer)	3,019.50
Number of functional units to be offset (GJ/ Customer)	37.44
Total emissions to be offset (tCO ₂ -e)	113,046.66

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 113,047 t CO₂-e. The total number of eligible offsets used in this report is 113,047. Of the total eligible offsets used, 64,947 were previously banked and 49,800 were newly purchased and retired. 1,900 are remaining and have been banked for future use.

Co-benefits

Eligible offsets retirement summary

Offsets retired for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity retired (tCO ₂ -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
BAESA Project	VCU	Verra	5 October 2021	10448-216930887-217035888-VCS-VCU-1491-VER-BR-1-10-01012013-31122013-0	2013	-	105,002	40,055	-	64,947	57.4%
*Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL)	VCU	Verra	18 May 2023	10789-248638550-248688349-VCS-VCU-259-VER-IN-1-173-01012014-31122014-0	2014	-	49,800	-	1,900	47,900	42.4%
*Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL)	VCU	VERRA	18 May 2023	10789-248638350-248638449-VCS-VCU-259-VER-IN-1-173-01012014-31122014-0	2014		100			100	0.1%
*Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL)	VCU	VERRA	18 May 2023	10789-248638450-248638549-VCS-VCU-259-VER-IN-1-173-01012014-31122014-0	2014		100			100	0.1%
Total offsets retired this report and used in this report										113,047	
Total offsets retired this report and banked for future reports									1,900		

* The Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL) carbon credits were originally purchased for Powershop's Electricity Product, however they have been used solely for Powershop's Gas Product's offsetting requirements for CY2022.

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	113,047	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

N/A

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as attributable, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant non-quantified emission sources	Justification reason
N/A	N/A

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected (**no actual data**).
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**).

	No actual data	No projected data	Immaterial
N/A	N/A	N/A	N/A

APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.
2. **Influence** The responsible entity could influence emissions reduction from a particular source.
3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
N/A	N/A	N/A	N/A	N/A	N/A	N/A



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