



PUBLIC DISCLOSURE STATEMENT

SUSSEX TAPS

ORGANISATION CERTIFICATION

FY2021–22

Australian Government

Climate Active Public Disclosure Statement



An Australian Government Initiative



S U S S E X

NAME OF CERTIFIED ENTITY	SUSSEX TAPS PTY LTD
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 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><i>George Katsanevakis</i></p> <p>George Katsanevakis Managing Director 31- January-2023</p>



Australian Government

Department of Climate Change, Energy,
the Environment and Water

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Version March 2022.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,021 tCO ₂ -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	Total renewables 46.13%
TECHNICAL ASSESSMENT	Next technical assessment due: May 2024
THIRD PARTY VALIDATION	N/A

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2. CARBON NEUTRAL INFORMATION

Description of certification

The certification includes the Australian business operations of the company Sussex Taps Pty Ltd (trading as Sussex Taps and ABN 30 071 163 249) for the period 1 July 2021 to 30 June 2022.

The emissions inventory in this Public Disclosure Statement have been developed in accordance with the Climate Active Carbon Neutral Standard for **Organisations**.

Organisation description

Sussex Taps manufacture timeless tapware, showers and accessories in Melbourne, Australia. Sussex sources all product components locally, where possible, manufacturing over 400 products in their Melbourne workshop and foundry. A child company, Aquatect Polishing Pty Ltd (ABN 13 118 351 732), is the metal polishing arm of Sussex Taps.

The Sussex story is a family adventure that started in 1960: one with a goal to build an Australian business with sustainability at its heart. Sussex's purpose is to make beautifully functional products, manufactured entirely in Australia - the right way. The right way starts with a belief that world-class manufacturing begins with respect for people and the environment.

Sussex has a clear vision to make the best products while leaving an Australian-made legacy that creates a sustainable future for our next generation. Sussex is the first carbon neutral tap manufacturer (this organisation certification) and produces the first carbon neutral tap products (product certification) in Australia under the Climate Active program. Sussex strive to bridge the gap between manufacturing and sustainability in the hope that others will follow their lead.

An outline of where facilities are located is shown below.

State	Address	Description
VIC	126 Freight Drive, Somerton	Warehouse, CnC, Admin, R&D, polishing, marketing
VIC	1/21 Scammel Street, Campbellfield, 3061	Foundry, polishing, fabrication
VIC	122 - 124 Freight Drive, Somerton	Warehouse, Admin, R&D, polishing, PVD coating
VIC	23 Scammel Street, Campbellfield, 3061	Foundry, polishing, fabrication

"Carbon neutral certification provides Sussex with the tools and knowledge to continually search for the best opportunities to reduce our impact. We want our customers to understand that we adhere to the strictest Australian sustainability standards, we're committed to a better Australian future, and we encourage our community to take action too."

The following subsidiaries / child companies are also included within this certification.

Legal entity name	ABN	ACN
Aquatect Polishing Pty Ltd	13 118 351 732	

Precinct geographical boundary

N/A

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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 relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however, are **optionally included**.

Non-quantified emissions have been assessed as relevant 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

Excluded emissions are those that have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

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Inside emissions boundary

Quantified

Accommodation and facilities
Cleaning and Chemicals
Climate Active Carbon
Neutral Products and
Services
Electricity
Food
ICT services and equipment
Machinery and vehicles
Office equipment & supplies
Postage, courier and freight
Products
Professional Services
Stationary Energy (gaseous
fuels)
Stationary Energy (liquid
fuels)
Transport (Air)
Transport (Land and Sea)
Waste
Water
Working from home

Non-quantified

N/A

Optionally included

N/A

Outside emission boundary

Excluded

Financial services such
as banking and
insurance
Education and training
Subscriptions
Security
Refrigerant fugitives
Machinery and
Equipment*
Polishing, painting, and
electroplating*
Product components*
Product packaging*
Raw materials*

** While excluded from
the emissions boundary
for the Organisation
Certification, these
emission sources are
included in Sussex
Taps' Climate Active
Product boundary.*

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Sussex has an unwavering commitment to reducing emissions. This is a central tenant of their interim Emissions Reduction Strategy and has been evidenced by the past completion of many other initiatives.

Sussex's focus is to build a medium-long term Emissions Reduction Strategy that will also educate customers and encourage employees to reduce their environmental impacts at work and at home.

Our emissions hot spots are **electricity, courier & freight, land transport, and professional services.**

Sussex Taps commits to reduce scope 1 and 2 emissions by 25% by 2030, compared to a 2020 base year. The emission reduction strategy for the organisational operations will include the following actions (but are not limited to):

Scope 1:

- Continue to purchase more fuel efficient vehicles over the next 5 years.
- Investigate the use of GPS tracking to collect better data on company vehicles to help analyse and optimise company car usage;
- Continue to move towards reducing emissions in our new vehicles via the use of EV as they become available.

Scope 2:

Sussex Taps will continue to increase energy efficiency by reviewing and adjusting lighting, machinery and appliances, wherever possible to seek renewable energy sources. Sussex's emissions reduction goal for the next two years is 10% less electricity usage per annum by:

- Investigate additional electricity supply arrangements and further opportunities in 2023 to purchase renewable sourced electricity.
- Transition to 100% renewable energy by 2030
- Reduce CNC machines idle times
- Continue to minimise compressed air leaks by conducting monthly maintenance of compressed air system.

Scope 3:

Sussex Taps will focus be on engaging with its suppliers to reduce scope 3 emissions over time, rather than concentrating on scope 1 and 2 emissions alone. Several actions are already in place and are working with our team and external advisers to identify additional opportunities.

- **Goods and Professional Services** emissions will be reduced through:
 - Investigate the market for additional carbon neutral alternatives in our supply chain and procure neutral carbon suppliers by 2025 (e.g., carbon neutral services for Postage, courier and freight)
 - Engage with suppliers and professional services with sustainable practices in their operations, such as renewable energy procurement, ability to opt in to a reduced emissions service, ability to measure and provide emissions data, locally made products and/or zero carbon emissions.
- **Land travel (employee commuting)** emissions will be reduced through:
 - Investigating the adoption of hybrid working principles to support working from home and reduce employee commuting and business travel.
- **Waste emissions** will be reduced through:
 - At the time of its certification, Sussex Taps is the first and only tapware manufacturer certified by Climate Active to reuse all **waste metal materials** and will continue to reuse all brass and find further ways to repurpose other waste.
 - Sussex Taps is working with retail suppliers to improve the sustainability of their product-replaced waste from packaging through investigating lower footprint options.
 - Sussex Taps commits to carrying out a yearly product analysis to ensure that its waste reduction measures are materially reducing waste year on year. Reviewing the entire production process; from reducing labels, phasing out Styrofoam packaging to printing brochures in-house; in the next two years Sussex's business goals are:
 - 5% less packaging per annum
 - 10% less landfill per annum
 - >85% of all materials recycled per annum
- **Water emissions** will be reduced through:
 - Continue to increase water efficiency by reviewing and adjusting water appliances. Sussex's emissions reduction goal for the next two years is 5% less water usage per annum
- **Travel Air and Accommodation emissions** will be reduced through:
 - Consider the purchasing of carbon-offsets for all our domestic and international flights from 2022.
 - Avoiding non-essential business travel, and encouraging the use of virtual conferencing;

- Reduction actions for business travel (i.e., accommodation and flights) by choosing options with a lower emissions intensity (e.g., prefer economy class flights and hotel rating decrease) or suppliers with a certified carbon neutral service.

Whilst working through this plan to reduce emissions, we are proactively offsetting our impacts through the purchase of carbon credits.

Emissions reduction actions

Sussex Taps has implemented the actions listed below to reduce the emissions during the FY22.

- Purchased its 1st electric vehicle to reduce its carbon emissions
- Reduced the furnace crucible holding times by 10% on the foundry induction melting furnace leading to savings of 7000 kWh or 7.4 tonnes GHG emissions/year
- Conducted a feasibility study for additional 200 kW photovoltaic system for the factory and PVD plant.
- Reduced compressed air energy use by minimizing air leaks and air pressure reduction at its sites

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5.EMISSIONS SUMMARY

Emissions over time

This section compares emissions over time between the base year and current year.

Emissions since base year		
		Total tCO ₂ -e
Base year:	2019-20	1,133.21
Year 1:	2020-21	883.53
Year 2:	2022-21	1,021.02

Significant changes in emissions

Significant (+/- 5%) change in the total emissions and/or the emission intensity are disclosed below:

Emission source name	Current year (tCO ₂ -e and/ or activity data)	Previous year (tCO ₂ -e and/ or activity data)	Detailed reason for change
Total net electricity emissions (Market based)	450.29	400.94	Organic growth. New equipment purchased
Mailing services: parcels, postal and courier	134.14	108.77	Organic growth
Petrol: Medium Car	0	107.87	New emissions source from employee survey FY22

Use of Climate Active carbon neutral products and services

Sussex Taps makes use of the following products and services that are certified as carbon neutral:

Certified brand name	Product or Service used
Ndevr Environmental	Advisory Services

Organisation emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a **market**-based approach.

Emissions category	Sum of Scope 1 (t CO2-e)	Sum of Scope 2 (t CO2-e)	Sum of Scope 3 (t CO2-e)	Sum of Total Emissions (t CO2-e)
Accommodation and facilities	0.00	0.00	0.83	0.83
Cleaning and Chemicals	0.00	0.00	37.98	37.98
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Electricity	0.00	450.29	0.00	450.29
Food	0.00	0.00	12.63	12.63
ICT services and equipment	0.00	0.00	28.30	28.30
Machinery and vehicles	0.00	0.00	31.48	31.48
Office equipment & supplies	0.00	0.00	53.13	53.13
Postage, courier and freight	0.00	0.00	134.14	134.14
Products	0.00	0.00	0.48	0.48
Professional Services	0.00	0.00	71.78	71.78
Stationary Energy (gaseous fuels)	13.33	0.00	1.04	14.37
Stationary Energy (liquid fuels)	2.37	0.00	0.14	2.51
Transport (Air)	0.00	0.00	5.12	5.12
Transport (Land and Sea)	22.06	0.00	110.32	132.37
Waste	0.00	0.00	36.18	36.18
Water	0.00	0.00	2.86	2.86
Working from home	0.00	0.00	6.57	6.57
Grand Total	37.76	450.29	532.97	1,021.02

Uplift factors

No uplift factor was applied.

6. CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	0
2.	Total emissions footprint to offset for this report	1,021
3.	Total eligible offsets required for this report	1,021
4.	Total eligible offsets purchased and retired for this report	1,396
5.	Total eligible offsets banked to use toward next year's report	375

* 1,021 offsets retired in FY22 Climate Active Organisation Certification (310 are shared emissions with our Product certification)

Co-benefits

The proposed project activity is a step towards supporting the implementation and installation of grid connected renewable solar energy power plants in India. The implementation of project activity ensures energy security, diversification of the grid generation mix and sustainable growth of the electricity generation sector in India. The main goal of project activity is to implement renewable energy projects in the country and the significant importance of revenues from sale of Verified Carbon Units (VCUs) to achieve this goal forms the basis of the implementation of this project activity.

Eligible offsets retirement summary

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	Stapled quantity	Eligible quantity (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 (%)
Bundled Solar Photovoltaic Project by ACME	VCUs	Verra	31/01/2023	11045-274453412-274454807-VCS-VCU-997-VER-IN-1-1753-01022020-31122020-0	2020	0	1,396	0	375	1,021	100%
Total offsets retired this report and used in this report										1,021	
Total offsets retired this report and banked for future reports									375		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of total				
Verified Carbon Units (VCUs)		1,021					100%				

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

1. Large-scale Generation certificates (LGCs)*	N/A
2. Other RECs	N/A

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements), and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Eligible units	Registry	Surrender date	Accreditation code (LGCs)	Certificate serial number	Generation year	Quantity (MWh)	Fuel source	Location
N/A									
Total LGCs surrendered this report and used in this report									

APPENDIX A: ADDITIONAL INFORMATION

Our sustainability commitments began in 2013, with a full energy audit and lean manufacturing audit across the business to identify how we could improve year on year.

Since then, the below initiative continued to drive our sustainability agenda:

- 2013:** Waste Audit: identified 89.5 m3 /year waste to landfill
- 2014:** Factory LED lighting upgrade led to 40% in greenhouse gas emissions or 30.7 tonnes/year greenhouse gas savings
- 2015:** 3kW Frigel air cooler installed at foundry site. 90% energy saving costs, improved metal melting rates by 7%. This upgrade has led 33.2 tonnes/year greenhouse gas savings
- Upgraded to energy efficient variable speed drive Nitrogen Generator.
- 2016:** Foundry and polishing plant LED lighting upgrade has led 30 tonnes/year greenhouse gas savings
- Became a member of the Victorian Government Climate Change TAKE 2 Pledge Program to take action on climate change
- 2017:** Power Factor Correction Equipment installed
- 2018:** Installed 100kW of solar panels to reduce factory greenhouse emissions by 131 tonnes or 30% reduction in the sites greenhouse gas emissions
- 2019:** Installation of an energy efficient office heating and cooling system. Reduced energy use and greenhouse gas emissions by at least 15%
- 2020:** In the last year, we have already reduced our greenhouse gas emissions by >30% through the installation of LED energy efficient lighting to our fourth facility, and an additional 170kW of Solar to reduce our emissions by 50%.
- Installation of LED energy efficient lighting to fourth facility. Reduced lighting energy use and greenhouse gas emissions by at least 30%
- Installing an additional 170kW of Solar to reduce current greenhouse emissions by 50%

To support our ongoing sustainability goals, we have achieved recognition and awards in the following categories:

- 2015:** SUSTAINABILITY AND ENVIRONMENTAL AWARD WINNER
- NORTHERN BUSINESS ACHIEVEMENT AWARD FOR EXCELLENCE
- 2017:** CITY OF HUME BUSINESS AWARD - SUSTAINABILITY CATEGORY (GOLD)

DRIVEN X DESIGN AWARD - SCALA COLLECTION

TAKE2 MEMBER VICTORIAN GOVERNMENT CLIMATE CHANGE PLEDGE PROGRAM

2018: HOUSES AWARDS - SUSTAINABILITY SPONSOR

HOUSES AWARDS - ONGOING (2019, 2020, AND BEYOND)

2019: CITY OF HUME BUSINESS AWARD - SUSTAINABILITY CATEGORY (FINALIST)

2020: APPROVED SUPPLIER TO VICTORIAN GOVERNMENT "BUY RECYCLED DIRECTORY"

APPROVED "AUSTRALIAN MADE AND OWNED" TRADEMARK

DESIGN FILES X LAMINEX

2022 MANUFACTURER OF THE YEAR WINNER: HUME BUSINESS AWARDS

CIRCULAR ECONOMY FINALIST: HUME BUSINESS AWARDS

Sussex has further cemented our commitment to sustainability and environmental, financial and corporate responsibility by getting involved with sustainability-focussed forums. We also support sustainability in our industry through tours, sponsoring awards and partnering with Government groups. These include:

- Speaking at Victorian Manufacturing Showcase
- Speaking at National Manufacturing Week
- Speaking to students at Secondary Schools in Melbourne
- Hosting sustainability Panels
- Sponsoring Sustainability Awards (Houses Awards)
- Factory site tour and presentation for government, students, architect and designers
- Partnering with Sustainability Victoria to develop a YouTube video called "Investing in energy efficiency at Sussex Taps" to promote the benefits of business energy efficiency.

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a **market-based** approach

Location-based method

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-based method

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double-counting.

Market Based Approach Summary			
Market Based Approach	Activity Data (kWh)	Emissions (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	341,869	0	34%
Total non-grid electricity	341,869	0	34%
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
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)	124,295	0	12%
Residual Electricity	544,316	541,575	0%
Total grid electricity	668,611	541,575	12%
Total Electricity Consumed (grid + non grid)	1,010,480	541,575	46%
Electricity renewables	466,164	0	
Residual Electricity	544,316	541,575	
Exported on-site generated electricity	125,054	-91,289	
Emissions (kgCO ₂ e)		450,285	
Total renewables (grid and non-grid)	46.13%		
Mandatory	12.30%		
Voluntary	0.00%		
Behind the meter	33.83%		

Residual Electricity Emission Footprint (TCO2e)	450
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Figures may not sum due to rounding. Renewable percentage can be above 100%

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	668,611	608,436	66,861
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	668,611	608,436	66,861
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	341,869	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	341,869	0	0
Total Electricity Consumed	1,010,480	608,436	66,861

Emission Footprint (TCO2e)	675
<i>Scope 2 Emissions (TCO2e)</i>	608
<i>Scope 3 Emissions (TCO2e)</i>	67

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
N/A	0	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. 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	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
N/A				

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** 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.

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.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Financial services such as banking and insurance	No	No	No	Yes	No	No
Machinery and Equipment*	No	No	No	Yes	No	No
Polishing, painting and electroplating*	No	No	No	Yes	No	No
Product components*	No	No	No	Yes	No	No
Product packaging*	No	No	No	Yes	No	No
Education and training	No	No	No	Yes	No	No
Subscriptions & periodicals	No	No	No	Yes	No	No
Raw materials*	No	No	No	Yes	No	No
Refrigerant fugitives	No	Yes	No	No	No	No
Security	No	No	No	Yes	No	No

* While excluded from the emissions boundary for the Organisation Certification, these emission sources are included in Sussex Taps' Product Certification.



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