



PUBLIC DISCLOSURE STATEMENT

SUSSEX TAPS

**PRODUCT CERTIFICATION
FY 2019-20**

Australian Government
Climate Active
Public Disclosure Statement

S U S S E X



An Australian Government Initiative



NAME OF CERTIFIED ENTITY:

REPORTING PERIOD: 1 July 2019 – 30 June 2020

Declaration

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

Date

9/7/21

Name of Signatory

GEORGE KATSANDEKAKIS

Position of Signatory

MANAGING DIRECTOR



Australian Government

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

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1. CARBON NEUTRAL INFORMATION

Description of certification

The certification includes all Sussex Taps-branded tapware (taps, showers and accessories) produced by Sussex Taps Pty Ltd at their four sites located in Campbellfield and Somerton, Victoria, Australia, for the period 1 July 2019 to 30 June 2020. Sussex produces products sold as original equipment manufacturer (OEM) to third parties who brand those products under their own name. These OEM products are not certified carbon neutral under this certification.

The emissions in this public disclosure statement have been developed in accordance with the Climate Active Carbon Neutral Standard for Products & Services with the functional unit defined as kg CO₂-e per kg of Sussex Taps-branded tapware.

This reporting period was affected by the exceptional circumstances of Covid-19. As such, Sussex Taps acknowledges that this base year is not completely representative of a business-as-usual year. Future annual emissions may differ to what is reported in the base year due to these circumstances.

“Climate Active certification demonstrates Sussex’s ongoing commitment to our sustainability vision and category leadership in Australia.”

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 organization certification) and produces the first carbon neutral tap products (refer to our product certification for further details) 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.

Product process diagram

The following diagram is cradle-to-gate. A cradle-to-gate approach has been used as the use and disposal stages of the tapware lifecycle are highly variable. Tapware typically lasts many decades and may only be replaced due to aesthetics rather than disrepair. When tapware is discarded there is a large second-hand market that further increases their life. Being metal, tapware will likely be recycled. Due to the complexity and possible sustainable nature of tapware's end of life, a cradle-to-gate approach was deemed acceptable.

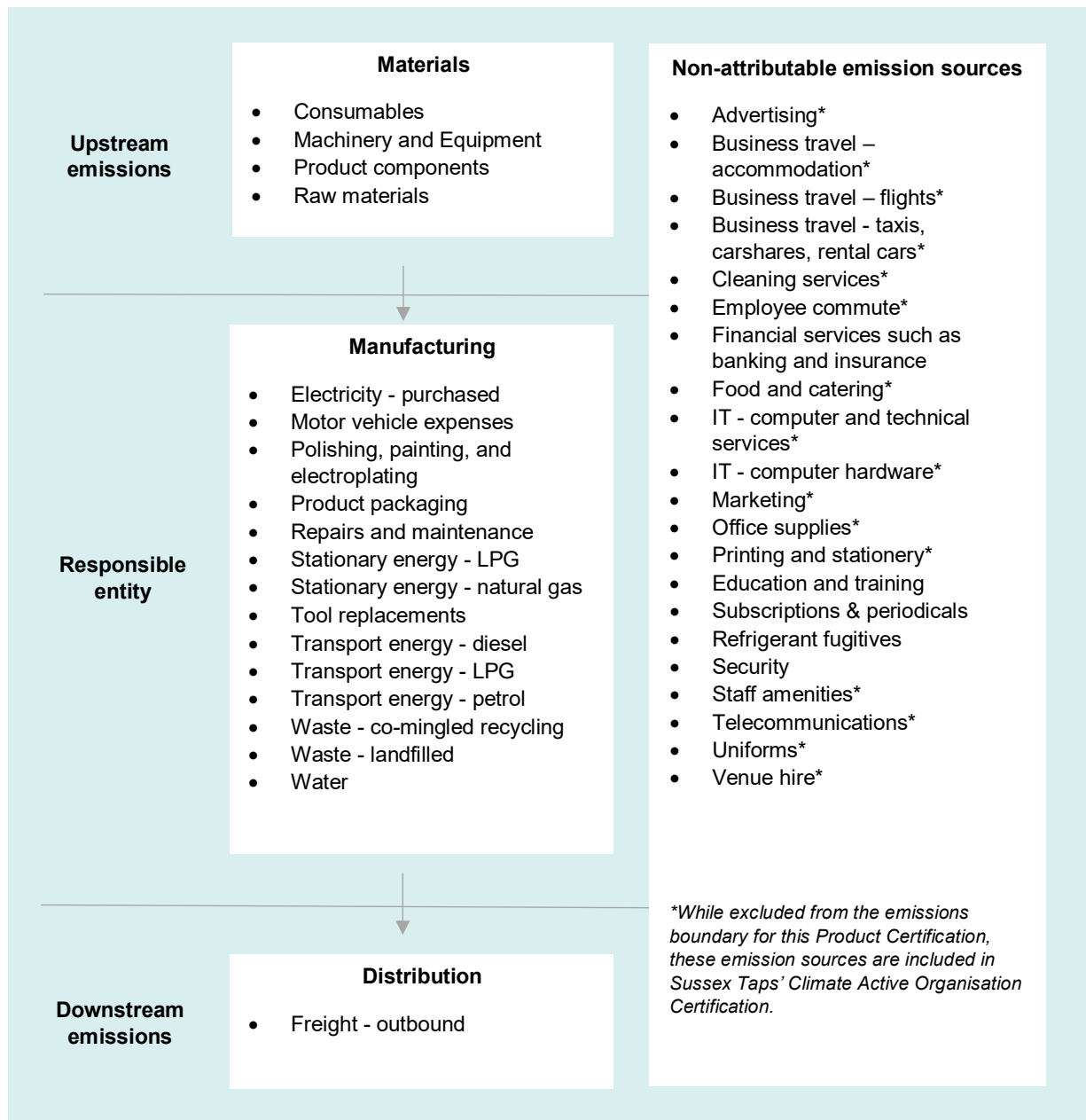


Diagram of the certification boundary

- Consumables
- Electricity - purchased
- Freight - outbound
- Machinery and Equipment
- Motor vehicle expenses
- Polishing, painting, and electroplating
- Product components
- Product packaging
- Raw materials
- Repairs and maintenance
- Stationary energy - LPG
- Stationary energy - natural gas
- Tool replacements
- Transport energy - diesel
- Transport energy - LPG
- Transport energy - petrol
- Waste - co-mingled recycling
- Waste - landfilled
- Water

n/a

n/a

- Advertising*
- Business travel – accommodation*
- Business travel – flights*
- Business travel - taxis, carshares, rental cars*
- Cleaning services*
- Employee commute*
- Financial services such as banking and insurance
- Food and catering*
- IT - computer and technical services*
- IT - computer hardware*
- Marketing*
- Office supplies*
- Printing and stationery*
- Education and training
- Subscriptions & periodicals
- Refrigerant fugitives
- Security
- Staff amenities*
- Telecommunications*
- Uniforms*
- Venue hire*

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

Attributable non-quantified sources

All relevant sources are quantified.

Data management plan

No data management is required as all relevant sources are quantified

Excluded sources (within certification boundary)

There are no excluded sources that are inside the product boundary.

Non attributable sources (outside certification boundary)

The following emission sources are excluded from the emissions boundary as they are deemed not to “make or carry the product through its life cycle”. Further, they fail to meet two or more of the relevance criteria under the Climate Active Standard:

- Advertising*
- Business travel – accommodation*
- Business travel – flights*
- Business travel - taxis, carshares, rental cars*
- Cleaning services*
- Employee commute*
- Financial services such as banking and insurance
- Food and catering*
- IT - computer and technical services*
- IT - computer hardware*
- Marketing*
- Office supplies*
- Printing and stationery*
- Education and training
- Subscriptions & periodicals
- Refrigerant fugitives
- Security
- Staff amenities*
- Telecommunications*
- Uniforms*
- Venue hire*

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

“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.”

3. EMISSIONS SUMMARY

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.

In 2021, 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.

The initial initiatives of the Emissions Reduction Strategy include:

- At the time of publication of this PDS, Sussex 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 wastes.
- Sussex is working with retail suppliers to improve the sustainability of their product-replated waste from packaging through investigating lower footprint options.
- Sussex 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
- Continue to increase energy efficiency by reviewing and adjusting lighting, water, machinery and appliances, wherever possible to seek renewable energy sources. Sussex's emissions reduction goal for the next two years is:
 - 5% less water usage per annum
 - 10% less electricity usage per annum

Functional units

Table 1

	Number of functional units
Number of functional units sold this period	28,042 kg of Sussex Taps-branded tapware

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO ₂ -e
Consumables (shared emission with Organisation certification)	1.81
Electricity – purchased (shared emission with Organisation certification)	338.04
Freight – outbound (shared emission with Organisation certification)	60.49
Machinery and Equipment	6.26
Motor vehicle expenses (shared emission with Organisation certification)	10.02
Polishing, painting, and electroplating	192.95
Product components	91.39
Product packaging	11.99
Raw materials	264.25
Repairs and maintenance (shared emission with Organisation certification)	16.25
Stationary energy – LPG (shared emission with Organisation certification)	3.31
Stationary energy - natural gas (shared emission with Organisation certification)	8.43
Tool replacements	1.87
Transport energy – diesel (shared emission with Organisation certification)	24.55
Transport energy – LPG (shared emission with Organisation certification)	1.68
Transport energy – petrol (shared emission with Organisation certification)	3.18
Waste - co-mingled recycling (shared emission with Organisation certification)	-
Waste – landfilled (shared emission with Organisation certification)	17.28
Water (shared emission with Organisation certification)	0.36
1. Total inventory emissions	1,054.12 t CO ₂ -e
2. Emissions per functional unit (based on the number of functional units represented by the inventory)	37.59 kg CO ₂ -e per kg of Sussex Taps-

Total tCO2-e divided by the number of functional units in table 1.		branded tapware
3. Carbon footprint		
(Emissions per functional unit (2)* number of functional units (a or b from table 2))		1,054.12 t CO2-e
485.33 t CO2-e of this carbon footprint is offset by the organisation certification. Therefore, total offsets required for this report is 569.		
<div><div>Organisation = 1133.21 TCO2e</div><div>485.33 overlap</div><div>Product = 1054.12 TCO2e</div></div>		

Carbon neutral products

Sussex Taps are not currently supplied with any carbon neutral products.

4. CARBON OFFSETS

Offset purchasing strategy: in arrears

Offsets summary

Table 3

1. Total offsets required for this report				1,054					
2. Offsets retired in previous reports and used in this report				485 (retired in FY20 Climate Active organisation certification)					
3. Net offsets required for this report				569					
Project description	Eligible offset units type	Registry unit retired in	Date retired	Serial number (including hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used for previous report	Quantity banked for future years	Quantity used this report
Wind Farms in Karnataka, India (project ID: CER-IN-1299)	VCUs	CER	11 May 2021	238,768,321 - 238,770,022 (See Appendix 3 for registry retirement information)	CP2	1,702	1,133	0	569
<i>Total offsets retired this report and used in this report</i>							569		
<i>Total offsets retired this report and banked for future reports</i>							0		

Co-benefits

EXTRAORDINARY IMPACT

OFFSET PROJECT
CATEGORY OVERVIEW

Across India, wind farms introduce clean energy to the grid which would otherwise be generated by coal-fired power stations. Wind power is clean in two ways: it produces no emissions and also avoids the local air pollutants associated with fossil fuels. Electricity availability in the regions have been improved, reducing the occurrence of blackouts across the area.

The projects support national energy security and strengthen rural electrification coverage. In constructing the turbines new roads were built, improving accessibility for locals. The boost in local employment by people engaged as engineers, maintenance technicians, 24-hour on-site operators and security guards also boosts local economies and village services.

The projects meet the following Sustainable Development Goals



5. USE OF TRADE MARK

Table 4

Description where trademark used	Logo type
Packaging	Certified product
Website	Certified product
Marketing materials	Certified product
Social media	Certified product
Sustainability report	Certified product
Business card	Certified product
Email signature	Certified product

6. 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

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 1

Non-attributable emissions for products and services

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

Table 5

Relevance test					
Non-attributable emission	<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>
Advertising	✗	✗	✓	✗	✗
Business travel - accommodation	✗	✗	✓	✗	✗
Business travel - flights	✗	✗	✓	✗	✗
Business travel - taxis, carshares, rental cars	✗	✗	✓	✗	✗
Cleaning services	✗	✗	✓	✗	✗
Employee commute	✗	✗	✓	✗	✗
Financial services such as banking and insurance	✗	✗	✓	✗	✗
Food and catering	✗	✗	✓	✗	✗
IT - computer and technical services	✗	✗	✓	✗	✗
IT - computer hardware	✗	✗	✓	✗	✗
Marketing	✗	✗	✓	✗	✗
Office supplies	✗	✗	✓	✗	✗

Printing and stationery	✗	✗	✓	✗	✗
Education and training	✗	✗	✓	✗	✗
Subscriptions & periodicals	✗	✗	✓	✗	✗
Refrigerant fugitives	✗	✗	✗	✓	✗
Security	✗	✗	✓	✗	✗
Staff amenities	✗	✗	✓	✗	✗
Telecommunications	✗	✗	✓	✗	✗
Uniforms	✗	✗	✓	✗	✗
Venue hire	✗	✗	✓	✗	✗

APPENDIX 2


Non-quantified emissions for products/services

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

Table 6

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>
n/a	-	-	-	-

APPENDIX 3


Australian National Registry of Emissions Units

ANREU Home

Account Holders

Accounts

Unit Position Summary

Projects

Transaction Log

CER Notifications

Public Reports

My Profile

Transaction Details

Transaction details appear below.

Transaction Successfully Approved

Transaction ID: AU18368

Current Status: Sending (91)

Status Date: 11/05/2021 18:19:22 (AEST)
11/05/2021 08:19:22 (GMT)

Transaction Type: Cancellation (4)

Transaction Initiator:

Transaction Approver:

Comment: Cancelled on behalf of Sussex Taps to meet its organisational and product carbon neutral claims against the Climate Active Carbon Neutral Standard for FY20.

Transferring Account

Account Number: AU-2734

Account Name: Tasman Environmental Markets Pty Ltd

Account Holder: Tasman Environmental Markets Pty Ltd

Acquiring Account

Account Number: AU-2764

Account Name: Voluntary Cancellation – CP2

Account Holder: Commonwealth of Australia

Transaction Blocks

Party	Type	Transaction Type	Original CP	Current CP	ERE Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
IN	CER	Kyoto Voluntary Cancellation	2	2					IN-1299			238,768,321 - 238,770,022	1,702