



# **PUBLIC DISCLOSURE STATEMENT**

**THE TRUSTEE FOR SNOW FLAKE  
MANAGEMENT UNIT TRUST**

**ORGANISATION CERTIFICATION  
FY21-22**

Australian Government

# Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	The Trustee for Snow Flake Management Unit Trust (trading as Snowflake Laundry & Linen Services)
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>David Simms</i></p> <p>David Simms Director 28/12/2022</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	414 tCO <sub>2</sub> -e
OFFSETS BOUGHT	47% VERs, 53% CERs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	N/A – small organisation pathway

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

This certification is for the Australian business operations of Snowflake Laundry & Linen Services (ABN 56 854 775 629).

### Organisation description

The Snowflake Family has been operating in Melbourne since 1948, family-owned and operated Snowflake Laundry & Linen Services has been providing high-end laundry and linen-hire services to Melbourne businesses for over 70 years.

Snowflake Laundry offers linen hire for medical centres and allied health clinics, high-end day spas, boutique accommodation, cafes, and restaurants in Melbourne, the Mornington Peninsula, and the Yarra Valley. Snowflake Laundry also specialises in Customer Owned Goods (COG) laundry services for our customers that have their own linen and need a commercial laundry service.

The reporting boundaries of our GHG inventory encompasses our facilities at 99 Rupert Street, Collingwood, VIC 3066, and scope 1, 2 and relevant scope 3 GHG emissions associated with energy use, water use, chemicals, linen products, staff commute, administrative activities, professional services used, as well as waste disposed to landfill and recovery for recycling.

Our GHG inventory quantifies carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O), and hydrofluorocarbon (HFC) emissions measured in tonnes CO<sub>2</sub> equivalent (CO<sub>2</sub>-e).

We are not aware of any relevant sources of perfluorocarbons (PFCs), sulphur hexafluoride (SF<sub>6</sub>), or nitrogen trifluoride (NF<sub>3</sub>) within our operational boundary.

*“With the release of the 2021 IPCC Report on Climate Change, businesses should no longer ignore the impact their operation is having on the environment. By becoming Climate Active certified, we are reducing our environmental impact and that of our customers further down the supply chain.”*

## 3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. Emission sources can be excluded if they do not occur.

### 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.

## Inside emissions boundary

### Quantified

Stationary energy  
Land transport  
Staff commute  
Electricity  
Water and wastewater  
Waste disposed to landfill and recovered for recycling  
Laundry chemicals  
Professional services  
IT-related services and IT equipment purchased  
Office supplies, printing and stationery  
Linen products  
Cleaning chemicals and services

### Non-quantified

Refrigerants

## Outside emission boundary

### Excluded

No relevant emission sources were excluded.

Business travel-related, postage, courier, and freight, and office furniture emission sources did not exist within reporting boundary during reporting period.

## Data management plan for non-quantified sources

There are no non-quantified sources that require a data management plan.

## 4.EMISSIONS REDUCTIONS

### Emissions reduction strategy

Snowflake Laundry commits to reducing all emissions by 40% by 2028 as compared with FY21/22, and by 50% by 2030 as compared with FY21/22.

This will be achieved via the following initiatives:

- Implementation of wastewater heat recovery systems to pre-heat cold incoming water to the boiler and washing machine feeds, reducing natural gas consumption by up to 50%, and chemical consumption by 20-20%
- Rinse-water recycling, reducing water consumption by 20-40%

### Emissions reduction actions

In early 2022, Snowflake purchased a specialised laundry wastewater heat recovery and water recycling system to be commissioned in early 2023.

## 5.EMISSIONS SUMMARY

### Emissions over time

Emissions since base year		Total emissions (tCO <sub>2</sub> -e, without uplift)	Total emissions (tCO <sub>2</sub> -e, with uplift)
Base year/ Year 1:	2020-21	307.4	323.3
Year 2:	2021-22	393.5	413.2

### Significant changes in emissions

Emission source	Current year (tCO <sub>2</sub> -e)	Previous year (tCO <sub>2</sub> -e)	Reason for change
Electricity	57.22	43.72	Combination organic growth + post-covid recovery.
Stationary Energy (gaseous fuels)	187.35	134.17	Combination organic growth + post-covid recovery.
Transport (Land and Sea)	35.93	31.42	Combination organic growth + post-covid recovery.
Water	27.50	12.40	Combination organic growth + post-covid recovery.

### Use of Climate Active carbon neutral products and services

N/A



## Organisation emissions summary

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

Emission category	Sum of Scope 1 (tCO <sub>2</sub> -e)	Sum of Scope 2 (tCO <sub>2</sub> -e)	Sum of Scope 3 (tCO <sub>2</sub> -e)	Sum of total emissions (tCO <sub>2</sub> -e)
Accommodation and facilities	0	0	0	0
Cleaning and Chemicals	0	0	16.89	16.89
Climate Active carbon neutral products and services	0	0	0	0
Electricity	0	57.22	0	57.22
Food	0	0	0	0
ICT services and equipment	0	0	3.77	3.77
Machinery and vehicles	0	0	12.11	12.11
Office equipment & supplies	0	0	0.05	0.05
Postage, courier and freight	0	0	0	0
Products	0	0	30.20	30.20
Professional Services	0	0	0	0
Refrigerants	0	0	0	0
Stationary Energy (gaseous fuels)	173.86	0	13.49	187.36
Stationary Energy (liquid fuels)	0	0	0	0
Stationary Energy (solid fuels)	0	0	0	0
Transport (Air)	0	0	0	0
Transport (Land and Sea)	34.87	0	5.70	40.58
Waste	0	0	17.6	17.6
Water	0	0	27.70	27.7
Working from home	0	0	0	0
<b>Total</b>	<b>208.74</b>	<b>57.22</b>	<b>127.54</b>	<b>393.50</b>

## Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO <sub>2</sub> -e
Mandatory 5% uplift for small organisation pathway	19.67
Total of all uplift factors	19.67
<b>Total footprint to offset</b> <i>(total net emissions from summary table + total uplifts)</i>	<b>413.17</b>

## 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 (tCO <sub>2</sub> -e)	414
3.	Total eligible offsets required for this report	414
4.	Total eligible offsets purchased and retired for this report	420
5.	Total eligible offsets banked to use toward next year's report	6

### Co-benefits

N/A

## 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 (tCO <sub>2</sub> -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 (%)
SFPL CDM Project, 5 MW Solar Power Project by Baba Group	CER	UNFCCC	21 Nov 2022	<a href="#">271,629,617 – 271,629,726</a> <a href="#">255,854,694 - 255,854,803</a>	CP2	-	110	0	0	220	53%
400 MW Solar Power Project at Bhadla, Rajasthan	VER	Gold Standard	21 Nov 2022	<a href="#">GS1-1-IN-GS7071-2-2020-20716-148810-149009</a>	2020	-	200	0	6	194	47%
Total offsets retired this report and used in this report										414	
Total offsets retired this report and banked for future reports									420		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Certified Emissions Reductions (CERs)	220	53%
Verified Emissions Reductions (VERs)	194	47%

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

N/A

## APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a **location-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 <sub>2</sub> -e)	Renewable % of total
Behind the meter consumption of electricity generated	33,727	0	37%
<b>Total non-grid electricity</b>	<b>33,727</b>	<b>0</b>	<b>37%</b>
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)	10,532	0	12%
Residual electricity	46,122	45,890	0%
<b>Total grid electricity</b>	<b>56,654</b>	<b>45,890</b>	<b>12%</b>
<b>Total electricity consumed (grid + non grid)</b>	<b>90,381</b>	<b>45,890</b>	<b>49%</b>
Electricity renewables	44,259	0	
Residual electricity	46,122	45,890	
<b>Exported on-site generated electricity</b>	<b>9,819</b>	<b>-7,168</b>	
Emissions (kgCO <sub>2</sub> -e)		38,722	

<b>Total renewables (grid and non-grid)</b>	<b>48.97%</b>
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<b>Mandatory</b>	<b>11.65%</b>
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<b>Voluntary</b>	<b>0.00%</b>
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<b>Behind the meter</b>	<b>37.32%</b>
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<b>Residual electricity emissions footprint (tCO<sub>2</sub>-e)</b>	<b>39</b>
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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 (kgCO <sub>2</sub> -e)	Scope 3 emissions (kgCO <sub>2</sub> -e)
VIC	56,654	51,555	5,665
<b>Grid electricity (scope 2 and 3)</b>	<b>56,654</b>	<b>51,555</b>	<b>5,665</b>
VIC	33,727	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>33,727</b>	<b>0</b>	<b>0</b>
<b>Total electricity consumed</b>	<b>90,381</b>	<b>51,555</b>	<b>5,665</b>
<b>Emissions footprint (tCO<sub>2</sub>-e)</b>	<b>57</b>		
<i>Scope 2 emissions (tCO<sub>2</sub>-e)</i>	52		
<i>Scope 3 emissions (tCO<sub>2</sub>-e)</i>	6		

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO <sub>2</sub> -e)
NA	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
Refrigerants	Yes	No	No	No



## 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.

No relevant emission sources were excluded from Snow Flake Management's FY2021-22 emissions boundary.

No emissions from business travel, postage, courier, and freight, and office furniture occurred within the reporting boundary during this reporting period.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
N/A						



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