



PUBLIC DISCLOSURE STATEMENT

SNOWFLAKE LAUNDRY & LINEN SERVICES

**SMALL ORGANISATION CERTIFICATION
FY2020–21**

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Snowflake Laundry & Linen Services
REPORTING PERIOD	Financial year 1 July 2020 – 30 June 2021
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> <hr/> <p>David Simms Director Date 22 October 2021</p>



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

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Version September 2021. To be used for FY20/21 reporting onwards.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	323.3t CO ₂ -e
OFFSETS BOUGHT	47% CERs, 53% VERs
RENEWABLE ELECTRICITY	N/A, location-based approach used to estimate emissions associated with grid-purchased electricity.
TECHNICAL ASSESSMENT	N/A
THIRD PARTY VALIDATION	Type 1 20 October 2021 Greg Loftus Clear Environment

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2. CARBON NEUTRAL INFORMATION

Description of certification

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

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 (CO₂), methane (CH₄), and nitrous oxide (N₂O), and hydrofluorocarbon (HFC) emissions measured in tonnes CO₂ equivalent (CO₂-e).

We are not aware of any relevant sources of perfluorocarbons (PFCs), sulphur hexafluoride (SF₆), or nitrogen trifluoride (NF₃) 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

Non-quantified

Refrigerants
Cleaning chemicals and services

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 in the emission boundary that require a data management plan.

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

- We have had all our lights changed over to LED.
- Installed 20kW (installed Nov 2016) array with microinverters to maximise solar generation in spite of shading from flues.
- We primarily use an enzyme-based powder detergent which is a more environmentally friendly than other cleaning chemicals, it also means we can wash at lower temperatures where appropriate.
- We have separated landfill waste and recycling.
- Where possible, we try and donate (local school, or sell our old sheeting/towels for a second life.
- Waste recovery for recycling is covered under the City of Yarra's Climate Active carbon neutral certification.

5.EMISSIONS SUMMARY

Organisation emissions summary

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

Emission category	Total emissions (t CO ₂ -e)
Stationary energy	134.2
Products	60.9
Electricity	43.7
Land and sea transport (fuel)	32.1
Water	12.6
Land and sea transport (km)	7.6
Laundry cleaning and chemicals	6.5
Waste	5.7
Office equipment & supplies	2.3
Professional services	1.1
ICT services and equipment	0.7
Postage, courier and freight	0.0
Refrigerants	0.0
Total	307.4

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 ₂ -e
Climate Active mandated 5% to account for immaterial items (refrigerants, cleaning chemicals and services)	15.4
<i>Total footprint to offset (uplift factors + net emissions)</i>	323.3

6. CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: Offsets will be purchased and retired annually in arrears at the end of each reporting year in accordance with Climate Active guidelines. All offsets will be purchased and retired by the offset provider on Snowflake Laundry & Linen Services' behalf.

Snowflake Laundry & Linen Services has purchased and retired 339 carbon offset units that are required to cover the GHG emissions associated with our business operations as per Climate Active inventory calculator estimates and to support the corresponding Climate Active carbon neutral claim:

1. Total offsets previously forward purchased and banked for this report	Not applicable
2. Total emissions liability to offset for this report	322.8t CO ₂ -e
3. Net offset balance for this reporting period	322.8t CO ₂ -e
4. Total offsets to be forward purchased to offset the next reporting period	Not applicable
5. Total offsets required for this report	323

Co-benefits

The [Arhyama Solar Power project](#) helps improve the energy mix for India. The 6MW solar power plant at Kolanupaka, Telangana, reduces GHG emissions by approximately 9,535t CO₂-e per year and provides 9,899MWh/year of clean electricity to the southern grid. A grid dominated by fossil fuel-based power plants. The project demonstrates the viability of grid connected solar farms to support improved air quality, alternative sustainable energy futures, energy security, improved local livelihoods and sustainable renewable energy industry development in the southern region of India.

The IOT Mabagas Limited power plant [Gold Standard project](#), located in Namakkal, India, converts up to 120,000 tonnes of chicken litter and other industrial residues from starch and sugar industries into renewable electricity per year, which is being fed into the South Indian grid. The project [activity mitigates environmental and hygienic problems as well as supporting regional smallholders](#) in implementing sustainable agriculture.

Offsets summary

Proof of cancellation of offset units

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 (%)
6 MW Solar Power Project	VER	Gold Standard Impact Registry	20/09/2021	GS1-1-IN-GS4530-2-2015-19782-3348-3519	2015	172	N/A	N/A	172	53%
IOT Mabagas Limited power plant, Pudhuchatram, India	CER	UN Carbon offset platform/ CDM Registry	17/09/2021	IN-5-258003504-2-2-0-8288 to IN-5-258003654-2-2-0-8288	2015	167	N/A	N/A	151	47%
Total offsets retired this report and used in this report									323	
Total offsets retired this report and banked for future reports								0		
Type of offset units		Quantity (used for this reporting period claim)				Percentage of total				
Certified Emissions Reductions (CERs)		151				47%				
Verified Emissions Reductions (VERs)		172				53%				

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total LGCs surrendered this report and used in this report								N/A	

APPENDIX A: ADDITIONAL INFORMATION

Additional offsets cancelled for purposes other than 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)	Purpose of cancellation
<u>IOT Mabagas Limited power plant, Pudhuchatram, India</u>	CER	UN Carbon offset platform/ CDM Registry	17/09/2021	IN-5-258003655-2-2-0-8 288 to IN-5-258003670-2-2-0-8 288	2015	16	Minimise risk of shortfall

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.

Location-based approach summary

Location-based approach	Activity Data (kWh)	Emissions (kgCO ₂ e)
Vic	40,118	43,729
Grid electricity (scope 2 and 3)	40,118	43,729
Vic	24,900	0
Non-grid electricity (Behind the meter)	24,900	0
Total Electricity Consumed	65,018	43,729

Emission Footprint (TCO₂e)	44
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Market-based approach summary

Market-based approach	Activity Data (kWh)	Emissions (kgCO ₂ e)	Renewable %
Behind the meter consumption of electricity generated	24,900	0	38%
Total non-grid electricity	24,900	0	38%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	7,592	0	12%
Residual Electricity	32,526	34,903	0%
Total grid electricity	40,118	34,903	12%
Total Electricity Consumed (grid + non grid)	65,018	34,903	50%
Electricity renewables	32,492	0	
Residual Electricity	32,526	34,903	
Exported on-site generated electricity	10,413	-8,122	
Emission Footprint (kgCO ₂ e)		26,781	

Emission Footprint (TCO2e)	27
LRET renewables	18.93%
Voluntary Renewable Electricity	38.30%
Total renewables	49.97%

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. 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	(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
Cleaning chemicals and services	Yes	No	No	No

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

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.

Although air transport, accommodation and facilities, food, Postage, courier and freight are deemed relevant emission under the small organisation certification, we did not use these and as such have not included these emission sources in the PDS or carbon inventory. No furniture was procured during the reporting period.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Purchased goods and services – postage, courier and freight, office furniture	No	No	No	No	No	No
Business travel	No	No	No	No	No	No



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