



PUBLIC DISCLOSURE STATEMENT

**STUART GRIFFITHS TRADING AS ECO-
GREEN GARDEN CARE
ORGANISATION CERTIFICATION
FY2020-21**

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Stuart Griffiths trading as Eco-Green Garden Care
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>Stuart Griffiths</i></p> <hr/> <p>Stuart Griffiths Managing director 23 September 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	43t CO ₂ -e
OFFSETS BOUGHT	100% CERs
RENEWABLE ELECTRICITY	N/A (location-based approach used)
TECHNICAL ASSESSMENT	N/A

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2. CARBON NEUTRAL INFORMATION

Description of certification

This greenhouse gas (GHG) statement has been prepared for the financial year (FY) from 1 July 2020 to 30 June 2021. The certification covers the Australian business operations of Stuart Griffiths trading as Eco-Green Garden Care, ABN 91 306 893 967.

Organisation description

Established in 2018 and located in Epping, Victoria, our primary service is to provide households, businesses and owner's corporations with garden maintenance and landscaping services. Eco-Green Garden Care does additionally provide some cleaning services in conjunction with garden maintenance services to a small group of clients.

At Eco-Green Garden Care our mission is to "Inspire individuals and business to environmental accountability through modelling successful, environmentally sustainable business practices". For us, establishing Carbon Neutral practices is an essential step toward achieving this goal and accreditation serves as a valuable tool for quantifying this and holding our business accountable. Carbon Neutral accreditation along with other initiatives we are implementing such as organic practices will take us well on the way to achieving the environmentally sustainable business we strive for.

It covers direct (scope 1) and indirect (scope 2) GHG emissions associated with Fantastic Aussie Tours' and Blue Mountains Explorer Bus's activities over which Golden West Holdings has operational control, as well as other indirect GHG emissions that occur as a result of Golden West Holdings' business activities (scope 3).

"For us, establishing carbon neutral practices is an essential step toward achieving this goal and Climate Active certification serves as a valuable tool for quantifying this and holding our business accountable".

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

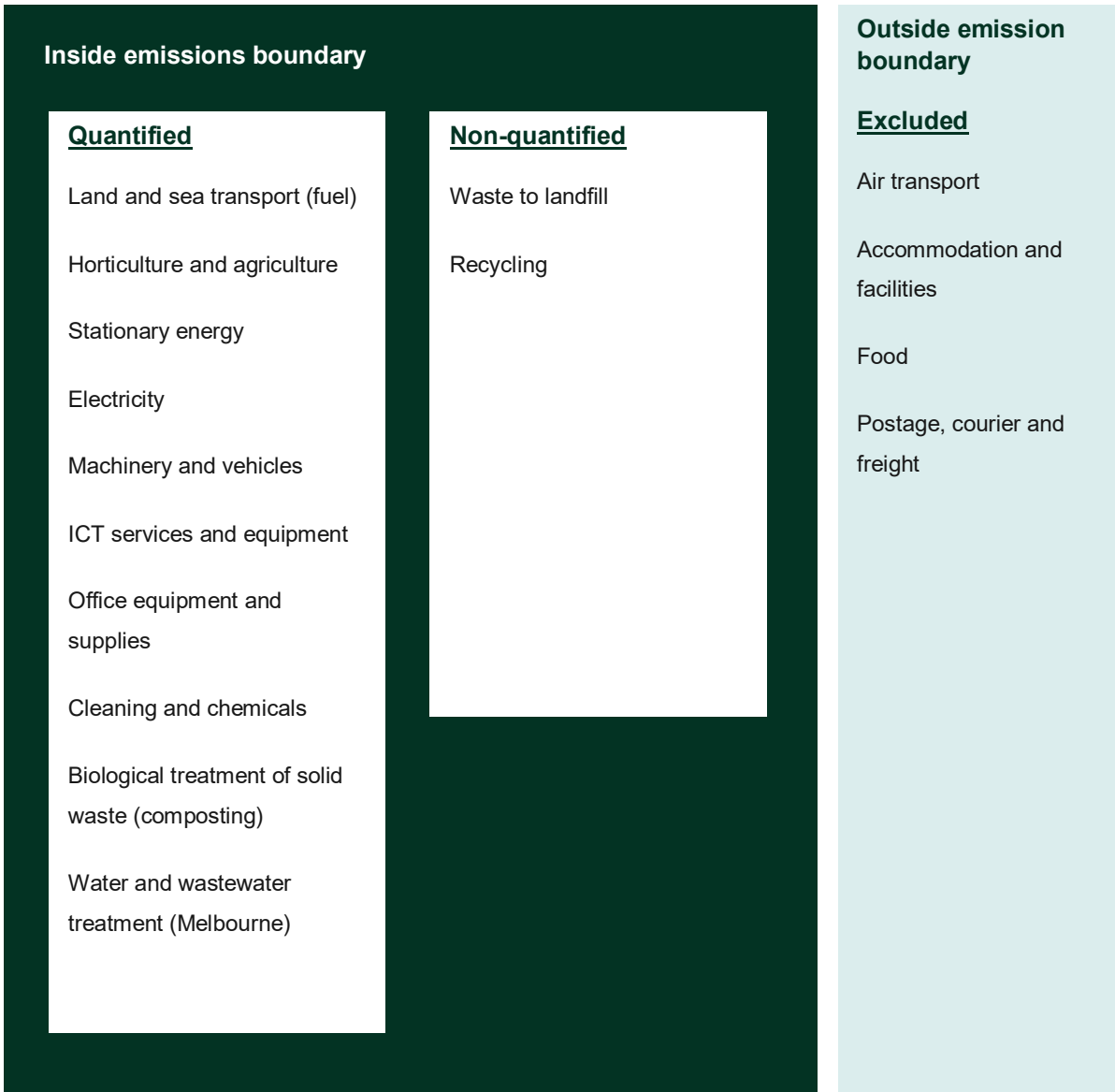
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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.



Data management plan for non-quantified sources

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

Waste to landfill and recycling are covered by the Climate Active-mandated 5% uplift.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

While Eco-Green Garden Care is committed to Climate Active carbon neutral certification, we do not simply settle for offsetting our carbon emissions. We strive to reduce these emissions as much as we possibly can. In an effort to achieve this, Eco-Green Garden Care already has some practices in place. These include:

- The use of solar panels to assist with the supply of power to our office.
- Implementing new technologies which enables us to replace on tools with professional grade battery operated tools. These reduce our dependence on fossil fuels and can subsequently be charged from our solar panels

We view these initiatives we have implemented as just the beginning. Eco-Green Garden Care are using the Carbon Accreditation process as a valuable tool to better understand our environmental performances. We will then continue to monitor evolving technologies and opportunities to implement continuous improvement.

Emissions reduction actions

- Procured electric power tools and other equipment where practical.
- Switched to Climate Active carbon neutral certified
 - phone and internet provider, and
 - electricity and gas provider.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total t CO ₂ -e
Base year:	2019-20	21
Year 1:	2020-21	43

Significant changes in emissions

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
Machinery and vehicles	20.947t CO ₂ -e	3.763.01t CO ₂ -e	Additional vehicle, tools and equipment purchased
Construction materials and services	5.125t CO ₂ -e	0t CO ₂ -e	Updated reporting categories

Use of Climate Active carbon neutral products and services

- Powershop, electricity and gas
- Belong, telephone and internet

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO ₂ -e)
Machinery and vehicles	20.947
Land and Sea Transport (fuel)	5.671
Construction Materials and Services	5.125
Waste	2.340
Stationary Energy	2.333
Products	0.946
ICT services and equipment	0.903
Horticulture and Agriculture	0.862
Electricity	0.492

Biological treatment of solid waste (composting of green waste at waste facility)	0.276
Professional Services	0.104
Office equipment & supplies	0.052
Cleaning and Chemicals	0.005
Carbon neutral products and services	0.000
Total	42.067

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	2.003
<i>Total footprint to offset (uplift factors + net emissions)</i>	42.07

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 Eco-Green Garden Care 's behalf. Eco-Green Garden Care has purchased and retired 18 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	N/A
2. Total emissions liability to offset for this report	43
3. Net offset balance for this reporting period	43
4. Total offsets to be forward purchased to offset the next reporting period	N/A
5. Total offsets required for this report	43

Co-benefit

Composting of Municipal Solid Waste (MSW) is an attractive option for resource recovery and environmental improvement. In contrast to the anaerobic decay of biodegradable waste in landfill sites, which results in methane generation, the composting project will mitigate greenhouse gas emissions through aerobic decomposition of the organic waste. Local benefits include recycling of resources, better management of solid waste, recycling of humus and plant nutrients back into the soil to provide positive inputs for agriculture and horticulture. Due to the project activity, landfilling of waste is prevented, resulting in a reduced land requirement for waste disposal, leading to improved environmental conditions. The end product is compost used as organic manure and combats soil degradation.

The project employs people from the community directly on the composting facility and indirectly through waste collection, transportation of compost to the end-user. Recycling humus is the most considerable benefit of composting. Chemical fertilisers assist in balancing micro and macronutrients but do not replenish the humus. Maintaining the fertility of the soil is critical to the agricultural economy of India and food safety. One of the main hurdles for the effective implementation of such measures is the shortage of good quality compost at an affordable price. This project provides compost for urban agriculture, horticulture, floriculture, vegetable production in and around Delhi, as well crop farming in the neighbouring states.

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 (%)
Upgrade, operation, and maintenance of 200 TPD composting facility at Okhla, Delhi	CERs	UN Carbon offset platform/ CDM Registry	22 September 2021	IN-5-192760782-2-0-2470 to IN-5-192760824-2-2-0-2470	2016	43	0	0	43	100%
Total offsets retired this report and used in this report									43	
Total offsets retired this report and banked for future reports								N/A		
Type of offset units			Quantity (used for this reporting period claim)				Percentage of total			
Certified Emissions Reductions (CERs)			43				100%			

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
<i>Total LGCs surrendered this report and used in this report</i>									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
Upgrade, operation, and maintenance of 200 TPD composting facility at Okhla, Delhi	CERs	UN Carbon offset platform/ CDM Registry	22 September 2021	IN-5-192760782-5-2-0-2470 to IN-5-192760834-2-2-0-2470	2016	10	Minimise the risk of shortfall

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using the 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	451	492
Grid electricity (scope 2 and 3)	451	492
Vic	226	0
Non-grid electricity (behind the meter)	226	0
Total electricity consumed	667	492
Emission footprint (tCO₂-e)	0.492	

Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO ₂ -e)
<i>Powershop</i>	376	0

Climate Active carbon neutral electricity is not considered renewable electricity. The emissions have been offset by another Climate Active carbon neutral product certification.

Market-based approach summary

Market-based approach	Activity data (kWh)	Emissions (kgCO ₂ -e)	Renewable % of total
Behind the meter consumption of electricity generated	226	0	33%
Total non-grid electricity	0	0	0
LGC purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0
GreenPower	376	0	56%
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)	85	0	13%
Residual Electricity	-10	-11	-2%
Total grid electricity	451	-11	67%

Total electricity consumed (grid + non grid)	677	-11	102%
Electricity renewables	687	0	
Residual electricity	-10	-11	
Exported on-site generated electricity	294	-229	
Emission footprint (kgCO ₂ -e)		0	

Total renewables (grid and non-grid)	101.53%
Mandatory	12.62%
Voluntary	55.58%
Behind the meter	33.33%
Residual electricity emission footprint (tCO₂-e)	0

Figures may not sum due to rounding. Renewable percentage can be above 100%

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
Waste to landfill	Yes	No	No	No
Recycling	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.

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.

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, food, accommodation and facilities	N/A	N/A	N/A	N/A	N/A	N/A



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