Australian Government

Climate Active Public Disclosure Statement

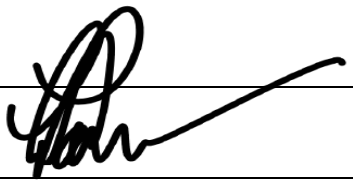
An Australian Government Initiative

NAME OF CERTIFIED ENTITY: Future Recycling Pty Ltd

REPORTING PERIOD: 1 January 2019 – 31 December 2019

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 29/04/2020
Name of Signatory : Tyrone Landsman	
Position of Signatory : Managing Director	

Australian Government
Department of Industry, Science, Energy and Resources

1. Carbon neutral information

Description of certification

Future Recycling is a leader in resource recovery and recycling. We currently operate four sites across Victoria. Three metal recycling facilities in Dandenong south, Hallam and Shepparton and a waste transfer station in Pakenham. Future Recycling has successfully maintained its ISO14001 certification and has been a voluntary carbon neutral company since 2014, we are excited to now be Australia's only waste company certified under Climate Active. Future Recycling's approach to carbon management is aligned with best practice emission reductions principles.

Organisation description

Future Recycling is 100% owned by the Landsman Family Trust which also includes the following entities:

- Future Resources
- Future Materials Group
- Cardinia Waste & Recyclers
- Kooweerup Bin Hire
- Pak Bin Hire
- Pakenham Skips
- Future Materials Recovery
- National Metal Recyclers

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. This includes the following locations and facilities:

- Dandenong Depot
- Hallam Depot
- Shepparton Depot
- Pakenham transfer station

The methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standard for Organisations
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF_6) and Nitrogen Trifluoride (NF_3). All emission sources have been expressed as carbon dioxide equivalents (CO_2-e) using relative global warming potentials (GWPs).

Emissions reduction strategy

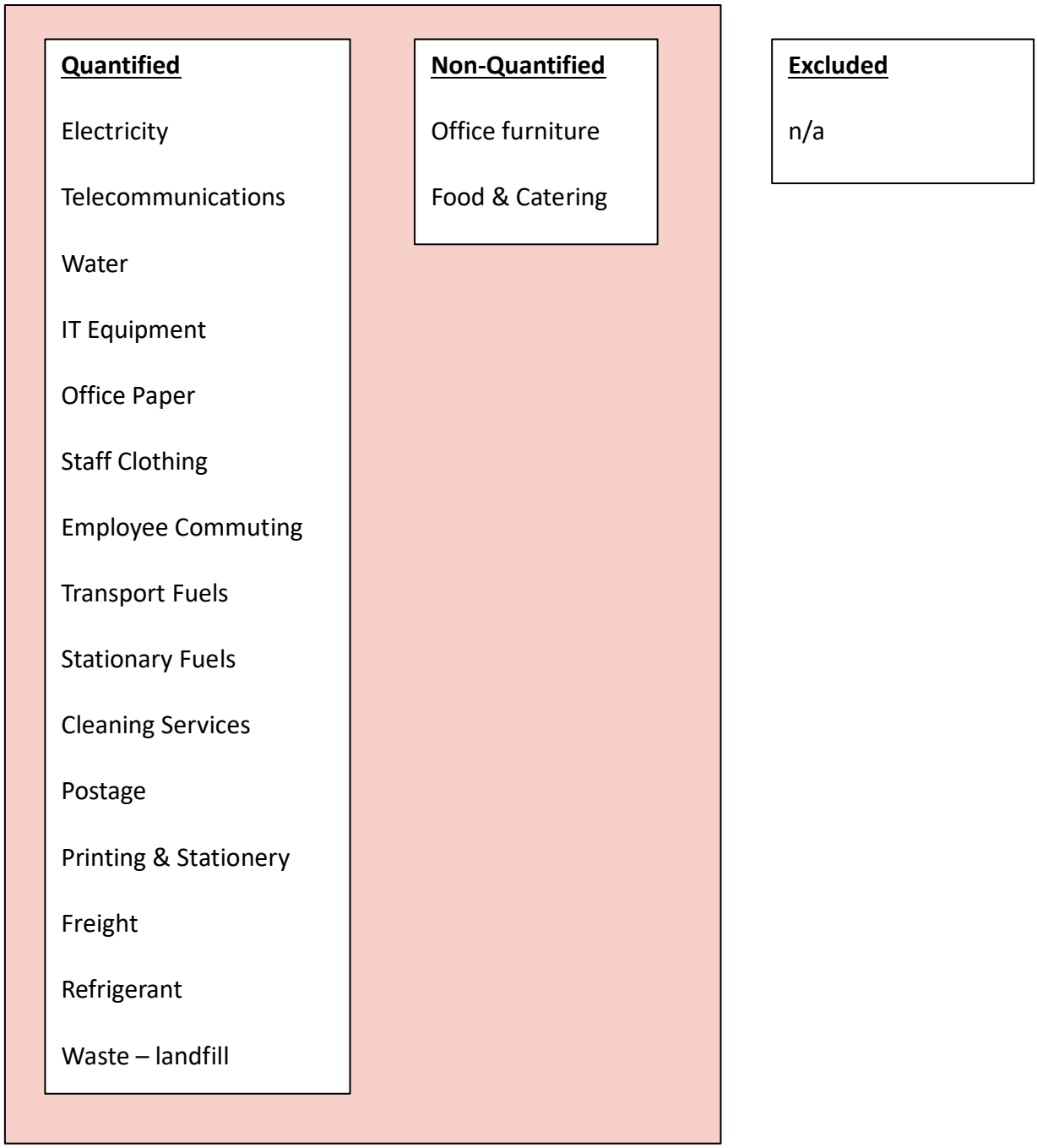
Future Recycling's emissions reduction strategy involves:

- Measuring and reporting on our energy consumption and carbon footprint annually
- Acting on opportunities to reduce our emissions by improving operational efficiencies
- Investing in technological innovation

- Reducing our resource consumption
- Promoting our commitment to our partners, consultants, and suppliers to encourage change within the industry above and beyond our own business
- Educating and engaging our staff and contractors to minimise their impacts both at work and at home

2. Emission Boundary

Diagram of the certification boundary



Non-quantified sources

Office furniture and food & catering have been excluded as they are estimated to be immaterial.

Excluded sources (outside of certification boundary)

There are no excluded sources.

3. Emissions summary

Table 3. Emissions Summary	
Emission source category	tonnes CO_2-e
Electricity (Location based)	278.5
Telecommunications	26.2
Water	1.5
IT Equipment	3.0
Paper	9.9
Staff Clothing	2.7
Employee Commute	92.8
Transport Fuels	1,532.8
Stationary Fuels	261.8
Cleaning Services	2.8
Postage	3.7
Printing & Stationary	9.4
Freight	95.7
Refrigerant	1.3
Total Net Emissions	**2,407.9**

Uplift factors

Table 4. Uplift factors	
Reason for uplift factor	tonnes CO_2-e
n/a	n/a
Total Footprint to offset (uplift factors + net emissions)	**2,407.9**

Carbon Neutral products

No carbon neutral products were used.

Electricity Summary

Electricity was calculated using a Location-based approach.

Table 5: Location-based summary

State/ Territory	Electricity Inventory items	kWh	Full Emission factor (Scope 2 +3)	Emissions (tonnes CO2e)
Vic	Electricity Renewables	-	-1.12	0.00
Vic	Electricity Carbon Neutral Power	-	-1.12	0.00
Vic	Netted off (exported on-site generation)	-	-1.02	0.00
Vic	Electricity Total	248,626.3	1.12	278.5
	Total net electricity emissions (Location based)		0.00	278.5

4. Carbon offsets

Offset purchasing strategy: in arrears[1]

[1] Future Recycling have transitioned from a forward purchasing strategy to purchasing in arrears. This means that no credits will be purchased for the next reporting period until the next inventory has been completed, however, there are still 171 credits that Future Recycling will carry over from original forward purchases.

Table 7a Forward purchasing summary

1. Total offsets previously forward purchased for this reporting period	2,579
2. Total offsets required for this reporting period	2,408
3. Net offset balance for this reporting period	171
4. Total offsets to be forward purchased for next reporting period	0[2]

[2] No additional offsets will be forward purchased as Future Recycling have transitioned to purchasing in arrears

Table 4 **Offsets Summary**

1. Total offsets required for this report	2,408
2. Offsets retired in previous reports and used in this report	2,579
3. Net offsets required for this report	-171

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 to be banked for future years*	*Quantity to be used this report*
Wind Grouped project by Hero Future Energies Private Limited, India	VCUs	APX	03 Sep 2018	6008- 275272856- 275276147- VCU-029- APX- IN-1- 1582- 29032016- 31122016-0	2016	3,292	2,581	171	540
15 MW grid-connected wind power project by MMTC in Karnataka	VCUs	APX	24 June 2019	6288- 294271818- 294273685- VCU-034- APX- IN-1- 133- 01012013- 31122013-0	2013	1,868	0	0	1,868
Total offsets retired this report and used in this report									2,408
Total offsets retired this report and banked for future reports									171

Co-benefits

Renewable Energy in Madhya Pradesh, Karnataka, Rajasthan, India

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

5. Use of trade mark

Table 5

Description where trademark used	Logo type
Website	Certified organisation
Social Media	Certified organisation

5. Additional information

Appendix 1: Excluded emissions

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.

	Relevance Test				
Excluded Emission	***The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions***	***The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.***	***Key stakeholders deem the emissions from a particular source are relevant.***	***The responsible entity has the potential to influence the reduction of emissions from a particular source.***	***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.***
There were no excluded emissions for Future Recycling's CY2019 greenhouse gas inventory					