

Australian Government
Carbon Neutral Program
Public Disclosure Summary




An Australian Government Initiative

Future Recycling Pty Ltd

January 2018 – December 2018

Declaration

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

Signature 	Date 26 th June 2019
Name of Signatory Tyrone Landsman	
Position of Signatory Managing Director	

Carbon neutral certification category	Organisation
Date of most recent external verification/audit	20 February 2019
Auditor	Benjamin Jenkins
Auditor assurance statement link	N/A



Australian Government
Department of the Environment and Energy

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1. About Future Recycling Pty Ltd

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 NCOS. Future Recycling's approach to carbon management is aligned with best practice emission reductions principles.

2. Carbon Neutral Information

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

This inventory has been prepared for the calendar year from 1 January 2018 to 31 December 2018.

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:

- National Carbon Offset 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 (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs),

perfluorocarbons (PFCs), sulphur hexafluoride (SF₆) and Nitrogen Trifluoride (NF₃). All emission sources have been expressed as carbon dioxide equivalents (CO₂-e) using relative global warming potentials (GWPs).

Quantified sources

The sources of carbon emissions within the operational boundary are:

- Electricity
- Telecommunications
- Water
- Office Paper
- Employee Commuting
- Transport Fuels
- Stationary Fuels
- Freight
- Refrigerant
- Waste – landfill
- Waste – recycling

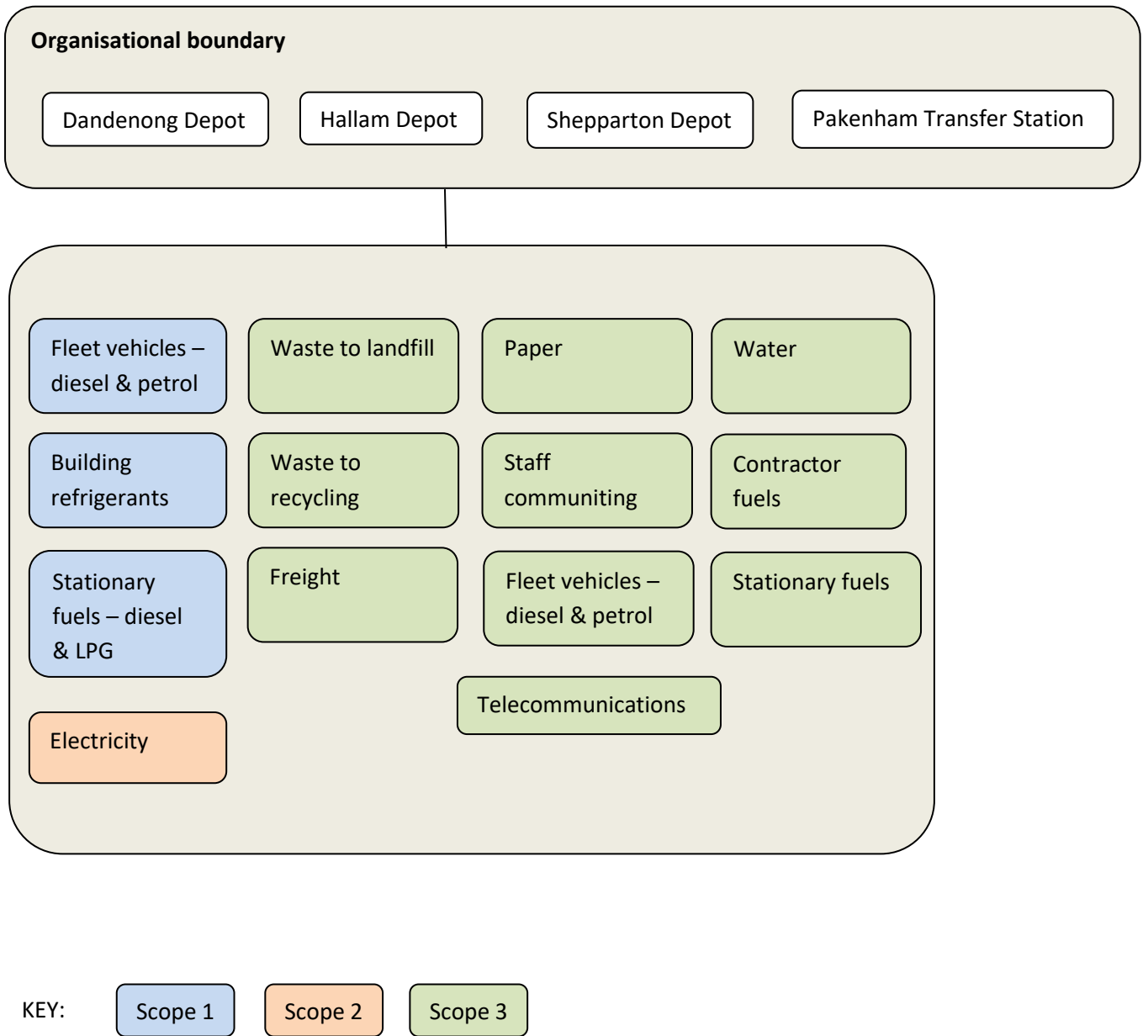
Note: Waste activity data relates only to quantities of refuse collected for which Future Recycling staff are responsible. All waste processed as part of the organisation's operations is regarded as out of scope.

Non-quantified sources

The following expenditure based emission sources are within the operational boundary but have been excluded as they are estimated to contribute less than 1% to overall emissions:

- IT Equipment
- Stationery
- Clothing
- Cleaning Services
- Food & Catering
- Postage
- Printing

2B. Diagram of the certification boundary



3. Emissions reduction measures

Emissions over time

Table 1. Emissions since base year		
	Base Year: 2017	Current year: 2018
Scope 1	1,392.1 tCO ₂ -e	1,422.5 tCO ₂ -e
Scope 2	200.2 tCO ₂ -e	217.5 tCO ₂ -e
Scope 3	1,134.9 tCO ₂ -e	939.9 tCO ₂ -e
Total	2,727.2 tCO₂-e	2,579.9 tCO₂-e

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

4. Emissions summary

Table 2. Emissions Summary		
Scope	Emission source	t CO ₂ -e
1	Transport fuel: Post 2004 Gasoline	67.4
1	Transport fuel: Post 2004 Diesel Oil	957.3
1	Stationary fuel: Diesel oil	373.3
1	Stationary fuel: LPG	23.2
1	Refrigerant	1.3
2	Purchased electricity --NSW	217.5
3	Transport fuel: Post 2004 Gasoline	3.6
3	Transport fuel: Post 2004 Diesel Oil	48.9
3	Transport fuel: Other (Contractor)	377.9
3	Stationary fuel: LPG	1.4
3	Stationary fuel: Diesel oil	19.1
3	Purchased electricity --NSW	20.3
3	Water - NSW	1.1
3	100% Recycled Office paper	1.3
3	Employee Commuting	119.0
3	Telecommunications	18.0
3	Freight	256.8
3	Waste - landfill (commercial/industrial)	72.2
3	Waste – recycling (paper)	0.4
Total Gross Emissions		2,579.9
GreenPower or retired LGCs		0
Total Net Emissions		2,579.9

5. Carbon offsets

Offsets summary

Table 3. Offsets Summary						
Projects supported by offset purchase	Eligible offset units	Registry	Cancellation date	Serial numbers (including hyperlink to registry transaction record)	Vintage	Quantity
Wind Grouped project by Hero Future Energies Private Limited, India	VCUs	APX	03/09/ 2018	6008-275272856-275276147-VCU-029-APX-IN-1-1582-29032016-31122016-0	2016	712
15 MW grid-connected wind power project by MMTC in Karnataka	VCUs	APX	24/06/2019	6288-294271818-294273685-VCU-034-APX-IN-1-133-01012013-31122013-0	2013	1,868
Total offsets cancelled						2,580

Offsets purchasing and retirement strategy

In Table 3 above, the first group of offsets (712 VCUs, Serial Nos: 6008-275272856-275276147-VCU-029-APX-IN-1-1582-29032016-31122016-0) have been banked from the 2017 reporting period. The difference of 1,868 have been purchased and retired based on the actual 2018 accounts.

Future Recycling's offsetting approach involves forward purchasing and retiring offsets in advance during the reporting year as follows:

1. An amount of offsets is retired equal to emissions for the previous year
2. At the end of the reporting year a further inventory is produced
3. A true-up (or down) occurs to bring offsets into line with actual emissions
4. Offsets are again retired equal to emissions measured for the previous year.

Offset projects (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 ensures 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.

6. Use of trade mark

Table 4. Trade mark register	
Where used	Logo type
Website	Certified Organisation
Social Media	Certified Organisation