



# **PUBLIC DISCLOSURE STATEMENT**

**ARK RESOURCES PTY LTD**

**ORGANISATION  
FY2019-20**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**



NAME OF CERTIFIED ENTITY: Ark Resources Pty Ltd

REPORTING PERIOD: 1 July 2019 – 30 June 2020

**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

A handwritten signature in blue ink, appearing to read "Jan Talacko".

Date

25/01/2021

Name of Signatory

Jan Talacko

Position of Signatory

Director



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

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# 1. CARBON NEUTRAL INFORMATION

## Description of certification

The certification is for the Australian business operations of Ark Resources Pty Ltd, ABN: 29 086 461 369. The certification and base year are the same (FY2019-20).

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.

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

- Climate Active Standards
- 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<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF<sub>6</sub>) and nitrogen trifluoride (NF<sub>3</sub>). These have been expressed as carbon dioxide equivalents (CO<sub>2</sub>-e) using relative global warming potentials (GWPs).

## Organisation description

Ark Resources has been at the forefront of environmentally sustainable design since being established in 1999. We have extensive experience in all building types and have provided advice for buildings and developments of every scale, ranging from individual houses to several of Melbourne's most significant residential and commercial projects.

We provide sustainability input at all stages of the property development cycle from concept design, through planning application, design development, construction, commissioning and post-occupancy.

We have expertise in the development of ESD frameworks and policies and have developed several highly regarded sustainability rating tools for all levels of Government.

The wide-ranging professional services we offer reflect the diverse skills and experience of our team and the constantly evolving challenges of the built environment.

*“Ark Resources was established to tackle climate change: we are proud to be recognised as a carbon neutral business – it’s in our DNA!”*

Our services include:

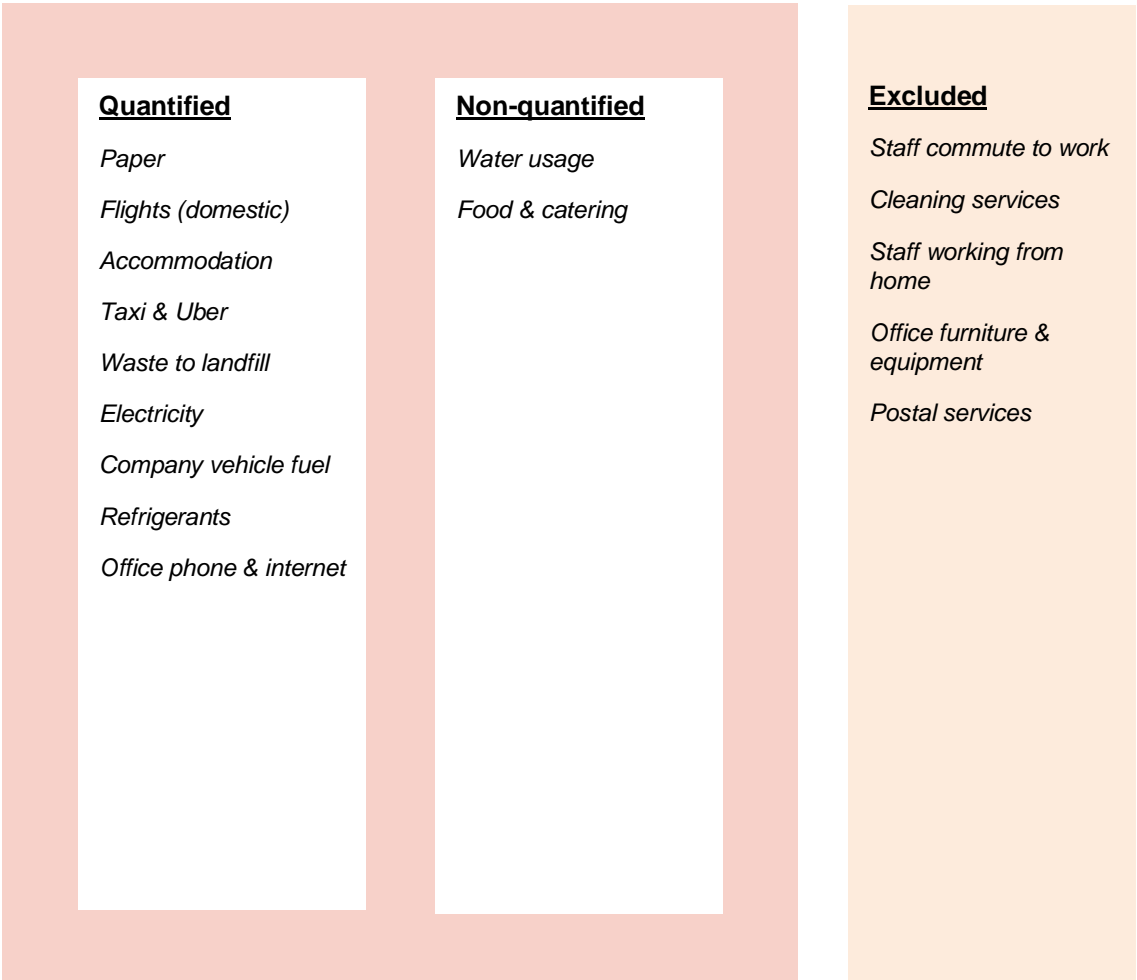
- Sustainability Management Plans (SMPs)
- Rating tools: Green Star, BESS, NABERS, WELL, PassivHaus, Living Building Challenge
- Daylight modelling
- National Construction Code (BCA) energy efficiency (NatHERS)
- Water sensitive urban design (WSUD)
- Renewable Energy Systems
- Energy Efficiency
- Expert ESD evidence and advocacy services (including VCAT & Planning Panels)
- Strategic input into regulatory and best-practice policies
- Workshop facilitation

Our office is located at Suite 8, 10 Northumberland Street South Melbourne, Victoria 3205.

## 2. EMISSION BOUNDARY

### Diagram of the certification boundary

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary.



## Non-quantified sources

The following sources were deemed relevant but not quantified due to data being unavailable:

- Water usage.
- Food & catering.

An uplift factor has been applied to the emissions inventory to account for these sources and is incorporated into the mandatory 5% uplift factor requirement for small organisations.

## Data management plan

Ark Resources expects the above non-quantified sources to be immaterial to the overall organisation emissions. For future reporting, Ark Resources will endeavour to limit estimation and/or non-quantification of data where it is possible to do so.

*“Ark Resources was established to tackle climate change: we are proud to be recognised as a carbon neutral business – it’s in our DNA!”*

## Excluded sources (outside of certification boundary)

The below potential emissions sources are considered by Ark Resources to be outside our operational control following a relevance assessment.

- Staff commuting to work.
- Staff working from home.
- Cleaning services.
- Office furniture & equipment (inc. stationary).
- Postal services.

In future certification years, we do not anticipate emissions associated with the above to be deemed relevant. Ark resources will continue to assess all potential emissions sources within the certification boundary for relevance on an annual basis.

## 3. EMISSIONS SUMMARY

### Emissions reduction strategy

Whilst Ark Resources' carbon footprint is relatively small, continuing to reduce our emissions is important to us. In order to achieve this we will look to:

- Continue to purchase 100% Green Power for our electricity.
- Reduce our emissions associated with travel through and increasingly attending meetings via video conferencing.
- Only print where necessary and purchase carbon neutral paper where available.

### Emissions summary (inventory)

Please refer to the below summary of emissions by emission category:

**Table 2**

Emission source category	tonnes CO <sub>2</sub> -e
Electricity (location-based)	5.41
Refrigerants	0.51
Waste to landfill	0.32
Flights (domestic)	1.19
Company vehicle fuel	5.87
Taxi & Uber	0.24
Accommodation	0.13
Paper	0.21
Office phone & internet	0.74
<i>Total Net Emissions</i>	<b>14.63</b>

### Uplift factors

**Table 3**

Reason for uplift factor	tonnes CO <sub>2</sub> -e
5% to account for immaterial and non-quantified items	0.73
<i>Total footprint to offset (uplift factors + net emissions)</i>	<b>15.36</b>

## Electricity summary

Electricity was calculated using a Location-based approach.

The Climate Active team are consulting on the use of a market vs location-based approach for electricity accounting. Given a decision is still pending on the accounting way forward, a summary of emissions using both measures have been provided for full disclosure and to ensure year on year comparisons can be made.

### Market-based approach electricity summary

**Table 4**

Electricity inventory items	kWh	Emissions (tonnes CO <sub>2</sub> e)
Electricity Renewables	3,669	0.00
Electricity Carbon Neutral Power	0	0.00
Electricity Remaining	3,498	3.78
Renewable electricity percentage	51%	
<i>Net emissions (Market based approach)</i>		3.78

### Location-based summary

**Table 5**

State/ Territory	Electricity Inventory items	kWh	Full Emission factor (Scope 2 +3)	Emissions (tonnes CO <sub>2</sub> e)
Vic	Electricity Renewables	2,336	-1.12	-2.62
Vic	Electricity Carbon Neutral Power	-	-1.12	0.00
Vic	Netted off (exported on-site generation)	-	-1.02	0.00
Vic	Electricity Total	7,168	1.12	8.03
	<i>Total net electricity emissions (Location based)</i>			5.41



## 4. CARBON OFFSETS

### **Offset purchasing strategy**

Offsets will be purchased annually in arrears at the end of each reporting period. Given the alignment with the sort of work we do, we will look to primarily purchase offsets involved with Australian projects aligned with our organisational values.

## Offsets summary

Table 6

<b>1. Total offsets required for this report</b>				16					
<b>2. Offsets retired in previous reports and used in this report</b>				0					
<b>3. Net offsets required for this report</b>				16					
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
Tiwi Islands Savanna Burning for Greenhouse Gas Abatement	KACCU	ANREU	25 Jan 2021	3,772,971,065 – 3,772,971,080	2018-19	16	0	0	16
<i>Total offsets retired this report and used in this report</i>									16
<i>Total offsets retired this report and banked for future reports</i>								0	

## Co-benefits

The Tiwi Islands Savanna Burning for Greenhouse Gas Abatement involves active fire management early in the dry season and mitigates the risk and impacts of destructive wildfires that occur late in the season which if permitted to occur would emit a significant amount of greenhouse gases.

Tiwi Island rangers direct the burns, as fire is an important land management tool for Traditional Owners. This continues Tiwi cultural values and knowledge in relation to fire management practices. The project involves the strategic, planned burning savanna areas in high rainfall zones. The specific activities involved are as follows:

- Ground based burning supported by helicopter to reduce fuel loads , and provide patches of burnt land that prevent fires from spreading.
- Graded firebreaks and early roadside burning around important assets such as plantations, outstations and sacred sites.

The co-benefits associated with the project are:

- Project income helps support and develop sustainable livelihood opportunities for Tiwi people, meeting their economic, environmental and cultural needs.
- Contributes to the ongoing employment of Tiwi Rangers (Traditional Owners).
- Tiwi College students assist Tiwi Rangers in their fire management activities, which continues the important transfer of Traditional Ecological Knowledge by senior rangers.
- Protects of important Tiwi assets including plantation forests and significant cultural and sacred sites.
- Protection of the local flora and fauna through the removal of weeds that would otherwise replace native vegetation and result in high fuel loads. This would further lead to alteration of the landscape, degradation of ecosystems, habitat loss and the decline of species populations.

Further the project contributes to the following United Nations Sustainable Development Goals:



The project stated here relates to 100 percent of the total amount of offsets purchased and retired for this reporting period.

## 5. USE OF TRADE MARK

Table 7

Description where trademark used	Logo type
Website	Certified Organisation
Marketing and promotional materials	Certified Organisation
Email signatures	Certified Organisation
Social media (i.e. LinkedIn, etc.)	Certified Organisation
Newsletters and other online communications	Certified Organisation

## 6. ADDITIONAL INFORMATION

At Ark Resources, we are actively working with our clients and partners in the construction sector towards the goal of achieving carbon neutrality.

To demonstrate our commitment to tackling ESD & ESG issues we have become CitySwitch Green Office signatories, we've taken Victoria's climate change pledge and become a TAKE2 member and we've joined with other engineers to declare a Climate and Biodiversity Emergency.

We are also working towards becoming a Certified B Corp in the future.



# 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.

**Table 8**

Excluded emission sources	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>
Staff commute to work	X	X	X	X	X
Cleaning services	X	X	X	X	X
Staff working from home	X	X	X	✓	X
Office furniture & equipment	X	X	X	✓	X
Postal services	X	X	X	✓	X

## APPENDIX 2

### Non-quantified emissions for organisations

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

**Table 9**

<b>Non-quantification test</b>				
Relevant-non-quantified emission sources	<i>Immaterial &lt;1% for individual items and no more than 5% collectively</i>	<i>Quantification is not cost effective relative to the size of the emission but uplift applied.</i>	<i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i>	<i>Initial emissions non-quantified but repairs and replacements quantified</i>
Water usage	✓	✓	✓	✗
Food & catering	✓	✓	✓	✗