PUBLIC DISCLOSURE STATEMENT

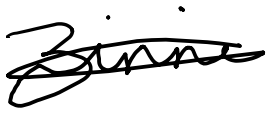
GREENING AUSTRALIA

ORGANISATION CERTIFICATION
FY2020-21

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Greening Australia Limited
REPORTING PERIOD	1 July 2020 – 30 June 2021 Arrears Report
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.*  Zoe Birnie Technical Lead, Science & Planning 30/05/2022

Australian Government
Department of Industry, Science, Energy and Resources

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

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,016 tCO_2-e
OFFSETS BOUGHT	300 ACCUs (30%) 371 CERs (36%) 345 VCUs (34%)
RENEWABLE ELECTRICITY	32.29%
TECHNICAL ASSESSMENT	23/03/2022 Matias Sellanes Ndevr Environmental Pty Ltd Next technical assessment due: October 2024
THIRD PARTY VALIDATION	Type 1 31/03/2022 Matt Drum Ndevr Environmental Pty Ltd

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

The Australian business operations of Greening Australia Limited and its wholly owned subsidiary companies: Canopy Nature Based Solutions Pty Ltd and Nindethana Seed Service Pty Ltd will be certified.

The Greening Australia emissions boundary definition includes Scope 1 and 2 emissions and Scope 3 emissions that have been assessed as relevant. The inventory has been prepared based on the Climate Active Standard for organisations.

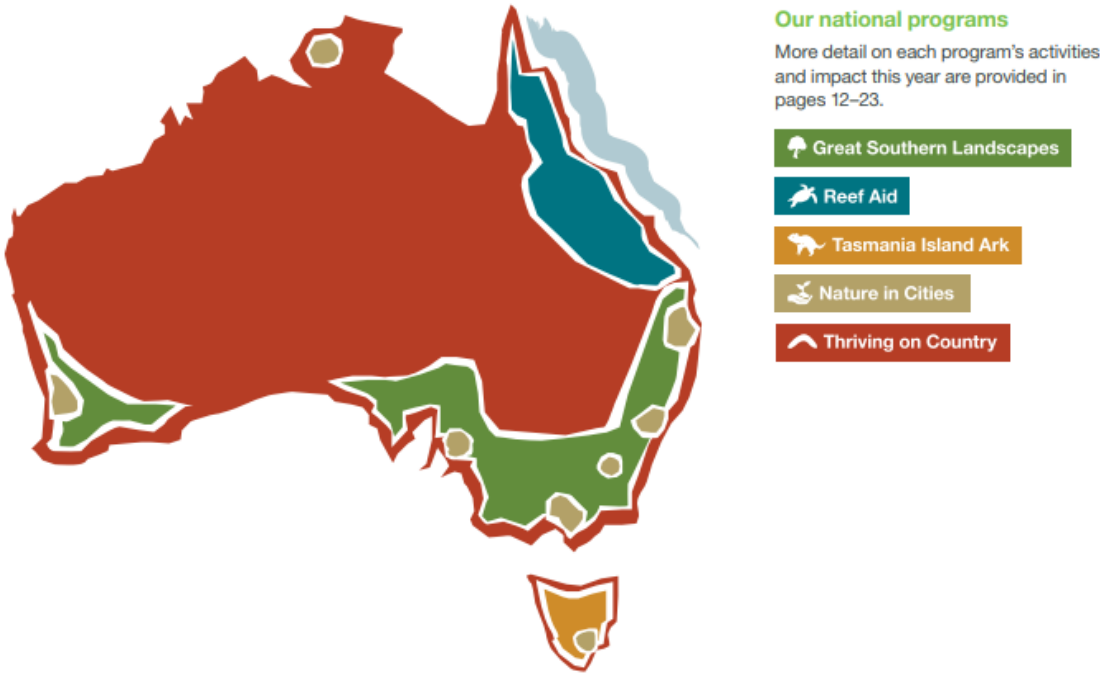
Greening Australia tackle climate change in our everyday practices by restoring the Australian landscape, but we believe we can do more. It is important we reflect on where we can make further impact on climate change as an organisation by taking action to continuously improve our supply chain emissions and business practices to become more sustainable ensure we really are walking the talk.

Organisation description

Greening Australia Limited (ABN: 40 002 963 788) is an independent not-for-profit environmental enterprise that aims to deliver collaborative, science-based and innovative restoration programs across Australia. Greening Australia has been restoring landscapes across Australia since 1982. We think big and live by our vision to create healthy and productive landscapes where people and nature thrive. From the Great Barrier Reef to the Tasmanian midlands, we work to restore life to landscapes and enhance biodiversity in ways that work for people, nature and economies. To tackle the global challenges of climate change and biodiversity loss we know that restoration and nature-based solutions need to dramatically scale up. That is why Greening Australia has set ambitious 2030 goals for restoring nature in line with global restoration targets and we look to the potential of environmental markets to help accelerate our impact. By 2030 we aim to:

- Establish 500 million native plants
- Restore 330,000 hectares of good quality habitat
- Sequester 3.3 million tonnes of carbon per annum
- 475,000 tonnes of water pollutants prevented
- 3,000 landholders engaged in restoration projects
- 100 Indigenous partnerships
- 185 tonnes of native seed supplied to restoration projects

These goals will be delivered across our five national programs.



Greening Australia's wholly owned subsidiary companies to be certified are:

- Canopy Nature Based Solutions Pty Ltd (ABN: 50 611 480 767) (formerly called Biodiverse Carbon Conservation Pty Ltd)

Canopy specializes in environmental credit markets (carbon, biodiversity and water) and innovative finance models to scale investment available for large-scale restoration projects across Australia.

- Nindethana Seed Service Pty Ltd (ABN: 69 138 511 690)

Nindethana is one of Australia's largest seed merchants and provides high-quality Australian native seed to a diverse range of customers including the restoration sector.

Greening Australia (including its two subsidiary companies) has offices in almost all major cities in Australia including Melbourne, Adelaide, Sydney, Canberra, Brisbane, Hobart and Perth.

3. EMISSIONS BOUNDARY

Greening Australia is a medium-sized organisation and has adopted an Operational Control approach to determine the emissions boundary. Within that boundary, activities have been assessed for relevance as per Climate Active Technical Guidance material. Scope 1 and Scope 2 emissions and relevant Scope 3 emissions are reported in line with Climate Active Technical Guidance material and is consistent with the principles of the Greenhouse Gas Protocol.

Inside the emissions boundary

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

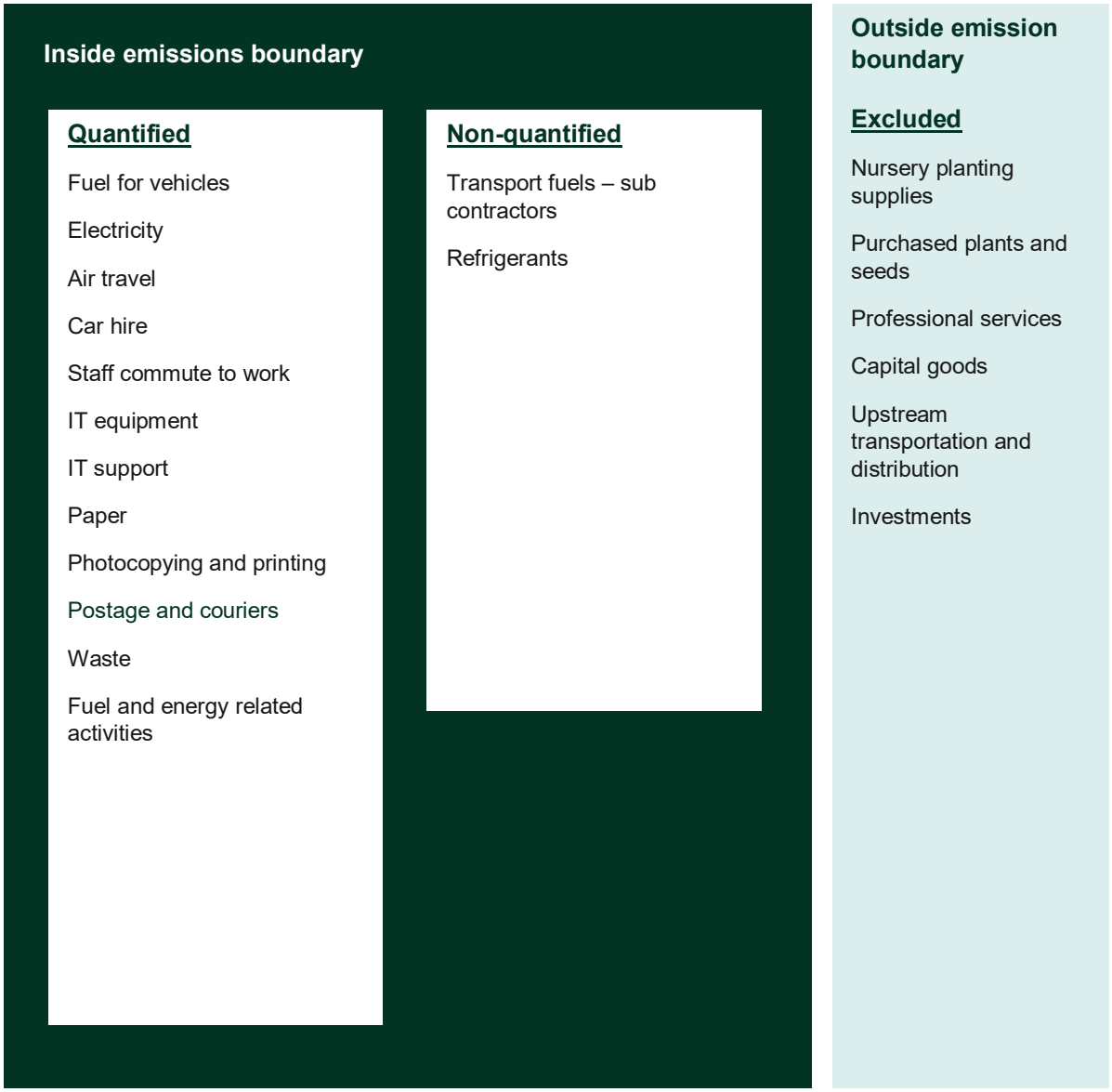
Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are **optionally included**.

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.

The emission sources in the boundary diagram below are as per the emissions categories in the emission summary table.



Data management plan for non-quantified sources

The data management plan below outlines how more rigorous quantification can be achieved for material (greater than 1%) non-quantified emission sources.

Non quantified emissions sources	Data management plan to quantify these sources	To be completed by
Transport fuels – sub contractors	Seek to expand data collected from relevant contractors (fuel and km) to determine fuel emissions that can be attributed to Greening Australia's operations.	2023-2024

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Greening Australia is committed to creating healthy and productive landscapes where people and nature thrive. Through our science-based and innovative land restoration programs, we return life to landscapes in ways that work for people, nature, and economies. Greening Australia acknowledges that emissions are created along their value chain in the process of delivering our restoration programs, and that these emissions contribute to climate change. Greening Australia is committed to reducing those emissions sources to play our role in limiting global warming to below 1.5ºC.

Greening Australia is firstly committed to achieving and maintaining carbon neutrality. By 2030, Greening Australia aims to reduce emissions from a 2021 baseline and by 2040 Greening Australia aims to be Climate Positive, i.e. sequestering more carbon than is created along our value chain. Greening Australia intends to set a clear and measurable emissions reduction target looking towards 2025 and 2030 in 2022.

Greening Australia will focus on the following activities to reduce greenhouse gas emissions across the value chain whilst we finalise our emissions reduction strategy:

- Increase electricity purchase from renewable energy sources
- Strengthen our sustainable procurement policy and develop a strategy to consider the life cycle impacts of services and products we use
- Increase sorting of waste into multiple categories to improve recycling and empower staff to reduce waste sent to landfill
- Implement initiatives to reduce business travel (flights)
- Encourage employees to improve environmental performance through engagement and training

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

n/a

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO_2-e)
Air Transport (km)	37.29
Electricity	143.08
ICT services and equipment	49.47
Land and Sea Transport (fuel)	287.58
Land and Sea Transport (km)	119.39
Office equipment & supplies	34.17
Postage, courier and freight	15.45
Waste	321.29
Working from home	-11.89
Total	**995.83**

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
Uplift to account for non-quantified sources where data is unavailable for transport fuels – sub contractors	19.92
Total footprint to offset (uplift factors + net emissions)	1,015.75

6. CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: In arrears		
1.	Total offsets previously forward purchased and banked for this report	0
2.	Total emissions liability to offset for this report	1,016
3.	Net offset balance for this reporting period	1,016
4.	Total offsets to be forward purchased to offset the next reporting period	0
5.	Total offsets required for this report	1,016

Co-benefits

Paroo River North Environmental Project

The Paroo River North Environmental Project was established in 2016 on Yerrel and Humeburn Station in southwest Queensland. The aim of this project is to restore native vegetation and sequester carbon by ceasing the removal and suppression of vegetation regrowth and managing grazing using a counter climatic cyclical grazing program so cattle don't negatively impact the regeneration of native vegetation. An important co-benefit of this project is the protection of riparian zones along the Paroo River which improves water quality feeding into the Ramsar wetlands of the Currawinya lakes. Additionally, this project provides opportunities for Indigenous people, specifically Budjiti people, to get onto country and are involved in the increased regeneration of bush foods and a Cultural Reflections on Country Program that is focused on supporting indigenous youth in the area. This project relates to 30 per cent of the total amount of offsets purchased and retired for this reporting period.

Beyond reducing emissions, Greening Australia's intent is to the increase the percentage of ACCU's within its purchased carbon credit portfolio, supporting environmental projects here in Australia. Whilst we work towards that goal, other project supported in this reporting period provide the following co-benefits globally:

Solar Power project in Rajasthan

The aim of the Solar Power project in Rajasthan, India is to generate clean energy in place of fossil fuel-based energy, predominantly coal. In addition to reducing greenhouse gas emissions, this project provides electricity to below poverty line households and provides opportunities for education and skill development in the local community. This project relates to 28 per cent of the total amount of offsets purchased and

retired for this reporting period.

Inner Mongolia Jingneng Chayouzhong Wind Farm

The Inner Mongolia Jingneng Chayouzhong Wind Farm project in China was commissioned in 2008 and generates approximately 118,500 MWh of clean electricity which offsets 115,317 tonnes of carbon dioxide emissions (CO_2) a year. This project relates to 8 per cent of the total amount of offsets purchased and retired for this reporting period.

Vishnuprayag Hydro-electric Project (VHEP_ by Jairprakash Power Ventures Ltd (JPVL)

Vishnuprayag Hydroelectric Project (VHEP) is a 4 x 100 MW Run-of-the-River Project located across river Alaknanda in Uttarakhand, India. This project provides reliable, clean energy into the electricity market. This allows communities to utilize electricity with a significantly lower emissions footprint than fossil fuel energies. This project relates to 34 per cent of the total amount of offsets purchased and retired for this reporting period.

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 (%)**
Paroo River North Environmental Project	ACCU	ANREU	11/05/2022	8,340,568,054-8,340,568,353	2021-22	300	0	0	300	30%
Solar Power project in Rajasthan	CER	ANREU	11/05/2022	226,833,285-226,833,567	2013	283	0	0	283	28%
Inner Mongolia Jingneng Chayouzhong Wind Farm	CER	ANREU	11/05/2022	1,024,277,152-1,024,277,239	2013-2016	88	0	0	88	8%
Vishnuprayag Hydro-electric Project (VHEP_ by Jairprakash Power Ventures Ltd (JPVL)	VCU	Verra	11/05/2022	10787-247705339-247705683-VCS-VCU-259-VER-IN-1-173-01012015-31122015-0	2015	345	0	0	345	34%
Total offsets retired this report and used in this report									1,016	
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
Australian Carbon Credit Units (ACCUs)	300	30%
Certified Emissions Reductions (CERs)	371	36%
Verified Carbon Units (VCUs)	345	34%

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)*	
2. Other RECs	

* 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
						Total LGCs surrendered this report and used in this report			

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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 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 Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO2e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	2,899	0	1%
Total non-grid electricity	**2,899**	**0**	**1%**
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	12,018	0	6%
Jurisdictional renewables (LGCs retired)	12,943	0	6%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	3,021	0	1%
Large Scale Renewable Energy Target (applied to grid electricity only)	35,090	0	17%
Residual Electricity	138,310	148,417	0%
Total grid electricity	**201,382**	**148,417**	**31%**
Total Electricity Consumed (grid + non grid)	**204,281**	**148,417**	**32%**
Electricity renewables	65,971	0	
Residual Electricity	138,310	148,417	
Exported on-site generated electricity	**6,839**	**-5,334**	
Emission Footprint (kgCO2e)		143,083	

Total renewables (grid and non-grid)	**32.29%**
Mandatory	**24.99%**
Voluntary	**5.88%**
Behind the meter	**1.42%**
Residual Electricity Emission Footprint (TCO2e)	**143**
Figures may not sum due to rounding. Renewable percentage can be above 100%	
Voluntary includes LGCs retired by the ACT (MWh)	12

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Emissions (kgCO2e)
ACT	15,964	14,368
NSW	31,626	28,464
SA	22,743	11,826
Vic	29,897	32,588
Qld	40,859	37,999
NT	0	0
WA	60,293	42,205
Tas	0	0
Grid electricity (scope 2 and 3)	**201,382**	**167,449**
ACT	0	0
NSW	2,899	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (Behind the meter)	**2,899**	**0**
Total Electricity Consumed	**204,281**	**167,449**

Emission Footprint (TCO2e)	**167**

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
Enter product name/s here	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

The emissions arising from refrigerants have been non-quantified. The emissions from this source are believed to be low in relation to scope 1 and 2 sources. No uplift has been applied for this source as it has been deemed immaterial. Emissions arising from transport fuels – sub contractors has been non-quantified with an uplift applied due to lack of data. A data management plan has been developed for this source..

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
Transport fuels – sub contractors	No	No	Yes	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.

Nursery planting supplies, purchased plants and seeds, professional services, capital goods, upstream transportation and distribution and investments have been excluded as they have been assessed as not relevant according to the relevance test.

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.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Nursery planting supplies	No	No	No	No	No	No
Purchased plants and seeds	No	No	No	No	No	No
Professional services	No	No	No	No	Yes	No
Capital goods	No	No	No	No	No	No
Upstream transportation and distribution	No	No	No	No	No	No
Investments	No	No	No	No	No	No

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