



PUBLIC DISCLOSURE STATEMENT

AMPOL LIMITED

PRODUCT CERTIFICATION
FY2023–24

Australian Government

Climate Active Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Ampol Limited
REPORTING PERIOD	1 July 2023 – 30 June 2024
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>Signature here</i></p>
	<p>Name of signatory Position of signatory Date</p> <p><i>Note: you can submit this document to Climate Active unsigned. The Climate Active team will invite you to sign this document once they have completed their review.</i></p>



Australian Government

Department of Climate Change, Energy,
the Environment and Water

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Version 9.

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	22,737 tCO ₂ -e
CARBON OFFSETS USED	78.45% ACCUs, 21.55% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Environmental Resources Management Australia Pty Ltd (ERM).
TECHNICAL ASSESSMENT	13 December 2024 ERM Next technical assessment due: FY 2026-27

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2. CERTIFICATION INFORMATION

Description of product certification

This product certification is for opt-in petrol and opt-in diesel products offered by Ampol Limited, or a wholly owned subsidiary, within Australia. The Climate Active certification of opt-in carbon offset of petrol and opt-in diesel products sold to Ampol's business-to-business (B2B) customers, achieved in the manner described further below, commenced as a pilot opt-in product program in 2021, before moving out of pilot phase and becoming available to other B2B customers in Financial Year (FY) 2022. Currently, this opt-in product is not being offered to retail consumers.

- Functional unit: one (1) litre of opt-in diesel and/or petrol sold, as such the greenhouse gas emissions associated expressed as kilograms of CO₂-e per litre of petrol or diesel fuel product sold.
- Offered as: opt-in product
- Life cycle: cradle-to-grave

The responsible entity for this product certification is Ampol Limited (ABN 40 004 201 307), or a wholly owned subsidiary, within Australia (referred to as 'Ampol' throughout rest of report)

This Public Disclosure Statement includes information for FY2023-24 reporting period.

Description of business

Within Australia, Ampol manages the largest branded petrol and convenience network as well as importing and marketing of fuels and lubricants. The majority of Ampol's Australian fuel sales are supplied by refined products acquired from overseas sources and shipped via tankers to terminals located around Australia. Ampol also refines fuel products in their Lytton refinery located in Queensland, from crude oil sourced from multiple suppliers around the world. Once produced, the majority of products refined within Lytton refinery are shipped to terminals or trucked to customers and retail sites. B2B customers and convenience retail sites are supplied through trucking distribution routes across Australia, with the products being collected from the terminal and depot network.

3. EMISSIONS BOUNDARY

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 'attributable processes' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable 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.

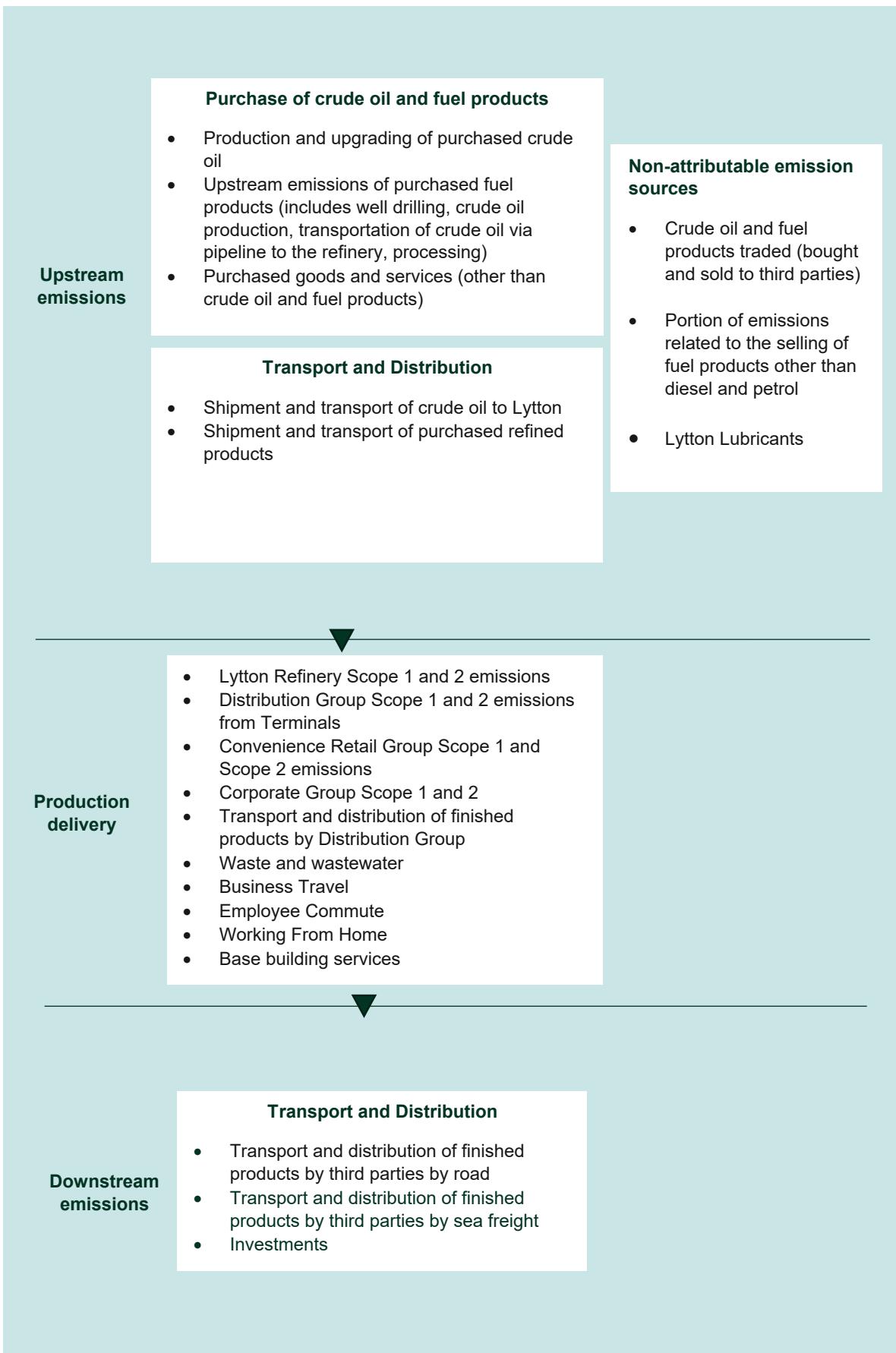
Outside the emissions boundary

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Inside emissions boundary		Outside emission boundary
<u>Quantified</u>	<u>Non-quantified</u>	<u>Non-attributable</u>
<p>Scope 1 & 2 (industrial processing, corporate and retail):</p> <ul style="list-style-type: none"> ○ Stationary energy (scope 1) ○ Fugitive emissions (scope 1) ○ Refrigerants (scope 1) ○ Electricity use (scope 2) <p>Purchased Goods & Services:</p> <ul style="list-style-type: none"> ○ Purchased crude oil ○ Purchased refined products ○ Purchased goods and services (other than crude oil and fuel products) <p>Water supply and treatment</p> <p>Capital Goods</p> <p>Business travel</p> <p>Employee Commuting</p> <p>Fuel and Energy related activities (Scope 3 emissions associated with Scope 1 and 2 above)</p> <p>Upstream transportation and distribution (sea freight)</p> <p>Waste generated in operations</p> <p>Upstream leased assets Downstream transportation & distribution (pipeline, sea and land freight)</p> <p>End use combustion of sold diesel and petrol</p> <p>Investments</p>	N/A	<p>Crude oil traded (bought and sold to third parties)</p> <p>Portion of Quantified emission categories related to the selling of fuel products other than Diesel and Petrol</p> <p>Lytton Lubricants</p>
		<p><u>Quantified as nil / not applicable</u></p> <p>Processing of sold products (fuel products do not require any further processing)</p> <p>End of life treatment</p> <p>Sold product (there is no end-of-life treatment of sold fuel products, as they are fully combusted in use)</p> <p>Downstream leased assets (there are no emissions generating activities within this category that are attributable to the sale of diesel or petrol products in Australia)</p> <p>Franchises (there are no emissions generating activities within this category that are attributable to the sale of diesel or petrol products in Australia)</p>
<u>Optionally included</u>		
	N/A	

Product process diagram

The following process is a cradle-to-grave boundary.



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

In 2021 Ampol set an ambition to reach net zero emissions across its Australian operations by 2040 (Scope 1 & 2 emissions) and set operational emissions* reduction targets consistent with this objective for 2025 and 2030.

Targets by 2025 of particular relevance to the certification are:

- Fuels and Infrastructure: Reduce operational emissions intensity (Scope 1 and 2 CO₂e per kL of Total High Value Product (HVP)**) by 5% from 2021 levels;
- Fuels and Infrastructure: Reduce operational emissions intensity (Scope 1 and 2 CO₂e per kL of Total Terminal Throughput***) by 5% from 2021 levels;

Targets by 2030 of a particular relevance to the certification are:

- Fuels and Infrastructure: Reduce operational emissions intensity (Scope 1 and 2 CO₂e per kL of Total High Value Product (HVP)**) by 10% from 2021 levels; and
- Fuels and Infrastructure: Reduce operational emissions intensity (Scope 1 and 2 CO₂e per kL of Total Terminal Throughput***) by 10% from 2021 levels.

* *The definition of operational emissions is in accordance with the National Greenhouse and Reporting (NGER) definition and refers to all Scope 1 and Scope 2 emissions within Ampol's operational control in Australia.*

** *Total High Value Product from Lytton refinery (excludes Lubricants).*

*** *Total Fuel Throughput for our three largest Terminal facilities: Kurnell NSW, Banksmeadow NSW and Newport VIC.*

For further information on how we are performing against these targets can be found in our 2023 Annual Report and 2023 Climate Report, both of which can be found at www.ampol.com.au.

In respect of Scope 3 emissions, Ampol is focused on pursuing solutions and initiatives within its control and that will enable its customers to transition.

Emissions reduction actions

Below are examples of actions that have been or are being undertaken by Ampol during the Climate Active reporting period i.e., 1 July 2023 to 30 June 2024.

To meet 2025 operational emission intensity target

Lytton refinery accounts for 98.9% of Ampol's Scope 1 emissions. In 2024, Lytton replaced the economisers on two package boilers used to generate steam for refinery process and heating duties. A

boiler economiser is a heat exchanger that recovers heat from combustion flue gases to pre-heat boiler feedwater to improve boiler efficiency.

The economisers had been taken out-of-service after suffering leaks resulting from sulphuric acid dew-point corrosion from periods of operation burning refinery fuel gases (containing low levels of sulphur from the crude oil processed by the refinery) at lower than planned flue gas temperature. Identified as an efficiency initiative with decarbonisation co-benefits, economiser replacement (with modifications to improve flue gas temperature control in future) has reduced the quantity of refinery fuel gas / import natural gas consumed to meet refinery steam demand along with commensurate carbon emission reduction (~ 5000 tCO₂e/y).

Measures aimed at assisting customers to transition

Since the launch of our Electric Vehicle (EV) charging solution AmpCharge in May 2022, as of 30 June 2024 we have delivered 92 EV public charging bays across 41 sites in Australia with a further ~100 sites either awaiting grid connection or under construction. The electricity consumed through our Australian Renewable Energy Agency-funded AmpCharge EV chargers is offset with renewable energy certificates (net equivalent renewable energy consumption is sourced from surrendered Large-scale Generation Certificates). We have also announced partnerships with Mirvac and Stockland to roll out AmpCharge EV charging bays across multiple retail shopping destinations across their respective networks, supporting our customers beyond our own forecourts

In June 2024, we announced that the Brisbane Renewable Fuels (BRF) Project had progressed to the pre-FEED (front end engineering design) stage. BRF is a proposed manufacturing facility with the capacity to generate at least 500 million litres of Sustainable Aviation Fuel (SAF) and Renewable Diesel (RD)¹ annually.

In July 2024, we announced the signing of a Memorandum of Understanding (MOU) with IFM Investors and GrainCorp to pursue a joint feasibility study to explore the establishment of a renewable fuels² industry in Australia. Initial work will build upon existing feasibility work conducted by each of the parties to further explore the use of homegrown feedstocks including additional crushing capacity to supply canola oil that supports production of renewable fuels, including Sustainable Aviation Fuel (SAF) and Renewable Diesel (RD) in Australia.

¹ SAF and RD are manufactured from non-petroleum based renewable feedstocks

² Renewable Fuels is an industry term, including Sustainable Aviation Fuel (SAF) and Renewable Diesel (RD).

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year forecast:	1 Jan 21 to 31 Dec 21	84,317	3.37
Base year actual <i>(as previously reported):</i>	1 Jan 21 to 31 Dec 21*	9,909	
	1 Jan 21 to 30 Jun 22**	18,030	3.18
Base year actual <i>(corrected):</i>	1 Jan 21 to 30 Jun 22	19,431	3.43
Year 1:	1 Jul 22 to 30 Jun 23	19,188	3.36
Year 2	1 Jul 23 to 30 Jun 24	22,737	3.25

*It is noted that the product offering began in September 2021. Ampol moved from calendar year to financial year reporting to align with Ampol's National Greenhouse and Energy Reporting Act requirements.

** The 1 Jan 21 to 30 Jun 22 figures that have been corrected during the calculation of the FY23 inventory

Use of Climate Active carbon neutral products, services, buildings or precincts

N/A

Emissions summary

Attributable process or life cycle stage	tCO ₂ -e
Production and upgrading of purchased crude oil	2,376,404
Upstream emissions of purchased fuel products (includes well drilling, crude oil production, transportation of crude oil via pipeline to the refinery, processing)	3,505,708
Other purchased Goods and Services attributable to functional unit value chain	250,854
CAPEX on functional unit value chain	25,509
Fuel and energy related emissions from electricity only	28,828
Lytton Refinery fuel and energy related activities emissions	10,313
Shipment and transport of crude oil to Lytton	221,129
Shipment and transport of purchased refined products	494,325
Waste	26,421
Water supply and treatment	6,015
Business Travel	3,484
Employee Commute	3,146
Working From Home	213
Upstream Leased Assets	315
Lytton Refinery Scope 1 emissions	594,401
Lytton Refinery Scope 2 emissions	93,905
Distribution Group Scope 1 emissions from Terminals	602
Distribution Group Scope 2 emissions from Terminals	15,892
Convenience Retail Group Scope 1 emissions	0
Convenience Retail Group Scope 2 emissions	66,243
Corporate Group Scope 1 emissions	43
Corporate Group Scope 2 emissions	431
Transport and distribution of finished products by Distribution Group	6,485
Transport and distribution of finished products by third parties by road	27,341
Transport and distribution of finished products by third parties by sea freight	25,224
End-use of sold products (combustion of fuel products)	30,433,431
Investments	11,302
Attributable emissions	38,227,964

Note: This emissions summary represents the entire product line, and therefore the product liability is from customers who have opted-in to the product only.

Product offset liability	
Emissions intensity per functional unit	3.25 kgCO ₂ -e/L
Emissions intensity per functional unit including uplift factors	N/A
Number of functional units covered by the certification	6,996,417
Total emissions (tCO₂-e) to be offset	22,737

6. CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Australian Carbon Credit Units (ACCUs)	17,838	78.45%
Verified Carbon Units (VCUs)	4,899	21.55%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Darling River Eco Corridor 4	ACCU	ANREU	29/06/2021	8,325,972,829 - 8,325,975,499	2020-21	2,671	1,046	0	1,625	7.15%
Darling River Eco Corridor 4	ACCU	ANREU	29/06/2021	3,802,826,553 - 3,802,828,881	2020-21	2,329	0	1,616	713	3.14%
Western Australia Rangelands Conservation Initiative	ACCU	ANREU	29/06/2021	8,325,202,801 - 8,325,210,300	2020-21	7,500	0	0	7,500	32.99%
Darling River Conservation Initiative Site #9	ACCU	ANREU	29/06/2021	3,810,445,406 - 3,810,453,405	2020-21	8,000	0	0	8,000	35.18%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
REDD+ Project for Caribbean Guatemala: The Conservation Coast	VCU	Verra Registry	30/07/2021	6370-317273238-317287237-VCU-024-MER-GT-14-1622-01012014-31122014-1	2014	14,000	9,075	26	4,899	21.55%
Landfill Gas Extraction and Electricity Generation Project - Istanbul, Turkey	VER	Gold Standard Impact Registry	30/07/2021	GS1-1-TR-GS707-21-2016-21021-105006-129005	2016	24,000	0	24,000	0	0.00%

Co-benefits

International projects represent 20.47% of the total offsets initially purchased and from four projects focusing on forest regrowth, improved land management and improvements to biodiversity conservation as well as skills training, job creation and increased income for local communities.

- **REDD+ Project for Caribbean Guatemala: The Conservation Coast**

The forests of the Guatemalan Caribbean coastline are home to extraordinary beauty and biodiversity. The coastline is a migratory corridor for birds as they make their biannual journey between North and South America. Hundreds of species of birds depend on these forests as part of the Mesoamerican 'flyway,' and the area is home to almost 10% of the world's known bird species.

The Guatemalan Conservation Coast Project uses climate finance through the sale of carbon credits to protect this incredible landscape and reduce greenhouse gas emissions, aligning world-class conservation with viable, sustainable economic activities. Implemented by local NGO FUNDAECO, hundreds of landowners, including local communities, have joined together to protect almost 54,000 hectares of threatened forest coastline.

The project is also critical to the local water supply, building up natural coastal defences and supporting local agriculture. Its revenue supports agroforestry ecosystems and the growth of eco-tourism, as well as providing resources to monitor the area and support community development programs, such as health and education for women and girls. Over 100 local and indigenous communities are impacted by the project, and they play a pivotal role in maintaining the integrity of the work through active participation in consultation, decision making and implementation of activities.

Key Benefits:

- Sequesters carbon to mitigate climate change
- 54,000ha of threatened forest protected
- 30 high conservation value species protected
- 7 sustainable enterprises created or supported
- Over 3,250 families benefiting from job creation, agricultural training and increased access to legal and financial resources
- 716 jobs supported, 30% held by women
- Over 1,300 people benefiting from improved access to healthcare, particularly sexual and reproductive services

United Nation Sustainability Development Goals



- **Landfill Gas Extraction and Electricity Generation Project - Istanbul, Turkey**

The ISTAC Landfill Gas Extraction and Electricity Generation Project is located near Odayeri Village in the Eyüp Sultan District in the European Side of Istanbul and Kömürçüoda Village in Şile District in the Anatolian Side of Istanbul. The project feeds renewable electricity into the Turkish grid, and is able to supply more than 210,000 households with clean and sustainable energy.

The project will help Turkey to simulate and commercialise the use of grid-connected renewable energy technologies, helping to diversify the energy supply chain, reduce greenhouse gas emissions and air pollutants, preserve underground water resources and foster technology transfer, empowering local people with new knowledge and creating job opportunities.

Key Benefits:

- Diversifies energy supply chain via the addition of renewable energy;
- Supplies clean, renewable energy for 210,000 homes;
- Reduces greenhouse gas emissions and air pollutants by displacing energy from fossil fuel plants;
- Preserves underground water resources; and
- Knowledge transfer and job opportunities for the local community.

United Nation Sustainability Development Goals



7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION



30 June 2021

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Terra Carbon Pty Ltd (account number AU-1117).

The details of the cancellation are as follows:

Date of transaction	29 June 2021
Transaction ID	AU18901
Type of units	KACCU
Number of units	40,000
Serial number range (associated ERF Project Name and ID)	<ul style="list-style-type: none">8,326,757,509 - 8,326,761,508 (4,000 KACCU) ERF103139, Paroo River Ecosystem Restoration Project8,325,972,829 - 8,325,975,499 (2,671 KACCU) ERF103209, Darling River Eco Corridor 43,802,826,553 - 3,802,828,881 (2,329 KACCU) ERF103209, Darling River Eco Corridor 48,323,848,286 - 8,323,852,285 (4,000 KACCU) EOP101263, Buckambool Human-Induced Regeneration Project8,325,202,801 - 8,325,210,300 (7,500 KACCU) ERF121763, Western Australia Rangelands Conservation Initiative8,326,011,346 - 8,326,014,345 (3,000 KACCU) ERF115281, Darling River Eco Corridor 258,325,987,587 - 8,325,991,086 (3,500 KACCU) ERF115267, Catchment Conservation Alliance - Southern Rivers Initiative Site #48,324,933,270 - 8,324,935,769 (2,500 KACCU) EOP101089, Kergunyah Native Forest Protection Project8,325,697,485 - 8,325,699,984 (2,500 KACCU) EOP101055, Glenogie Native Forest Protection Project3,810,445,406 - 3,810,453,405 (8,000 KACCU) ERF132688, Darling River Conservation Initiative Site #9
Transaction comment	ACCUs are voluntarily cancelled by Terra Carbon Pty Ltd on behalf of Ampol Energy Pty Ltd

APPENDIX B: ELECTRICITY SUMMARY

N/A

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as attributable, 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	Justification reason
N/A	

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected (**no actual data**).
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**.

Emissions Source	No actual data	No projected data	Immaterial
N/A	N/A	N/A	N/A

Data management plan for non-quantified sources

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

APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.
2. **Influence** The responsible entity could influence emissions reduction from a particular source.
3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Crude oil and fuel products traded (bought and sold to third parties)	N	Y	N	N	N	This item is under Ampol's influence but is unrelated to the Climate Active product. For completeness it is noted, that Ampol does have influence over the emissions of this item.
Portion of Quantified emission categories related to the selling of fuel products other than diesel and petrol	N	Y	N	N	N	This item is under Ampol's operational control and part under Ampol's influence but is unrelated to the Climate Active product. For completeness it is noted, that Ampol does have influence over the emissions of this item
Lytton Lubricants	N	Y	N	N	N	This item is under Ampol's operational control but is unrelated to the Climate Active product. For completeness it is noted, that Ampol does have influence over the emissions of this item.



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