PUBLIC DISCLOSURE STATEMENT

BARRO GROUP

PRODUCT CERTIFICATION
FY2024–25 (PROJECTED)

Australian Government

Climate Active
Public Disclosure Statement

BARRO GROUP

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	The Barro Group Trust Settlor Marie Terese Willey (Trading as Barro Group)
REPORTING PERIOD	FY 1 July 2024 – 30 June 2025 Projected
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.*
	Tom Kovacs Materials Technology Specialist. 20/06/2024

Australian Government
Department of Climate Change, Energy, the Environment and Water

Version: January 2024

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	4,877 tCO_2-e
CARBON OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	n/a
CARBON ACCOUNT	Prepared by: Life Cycle Strategies (Lifecycles)
TECHNICAL ASSESSMENT	20/6/24 Prepared by: Life Cycle Strategies (Lifecycles) Next technical assessment due: FY 2027-28
THIRD PARTY VALIDATION	n/a, EPD pathway

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2. CERTIFICATION INFORMATION

Description of product certification

This product certification is for Barro Group pre-mix concrete, from Pronto batching plant in Port Melbourne, Victoria.

- Functional unit: tCO_2-e/m^3 of pre-mix concrete sold by Barro Group
- Offered as: opt-in product
- Life cycle: cradle-to-gate. This was chosen because the function of the final product is not known. Similarly, the deconstruction and demolition details and end-of-life pathways are not known and could vary.

The responsible entity for this product certification is Barro Group, ABN

This Public Disclosure Statement includes information for FY2024-25 reporting period.

This certification is submitted under the EPD pathway. The EPD used is 'Environmental Product Declaration for Barro Group Pre-mix Concrete', valid to 10 May 2028, with EPD registration number S-P-08449.

Description of business

Barro Group, ABN 25 553 947 414, is family owned and operated since 1946, and the leading independent supplier and distributor of premixed concrete through our extensive network of Pronto Concrete plants, quarry products from Mountain View Quarry sites, and a range of associated construction products via Barro Building Supplies.

We are a fully integrated resources, manufacturing and distribution organisation running over 45 operating sites. Well-equipped to provide continuous supplies of quality raw construction materials, advanced premixed concrete, genuine customer service and reliable delivery to any project – residential, commercial, civil, industrial.

Each Division of Barro Group is operated by an experienced management team and skilled workforce. The depth, experience and competence of our people are evidenced by our growth and diversification over the years.

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

Quantified

Production of concrete mixes as described in the EPD, including the following product codes:

- E40SP
- E50SP
- E65SP
- E80SP
- E100SP
- E40PT22N3
- E65N56PUD

Non-quantified

n/a

Optionally included

n/a

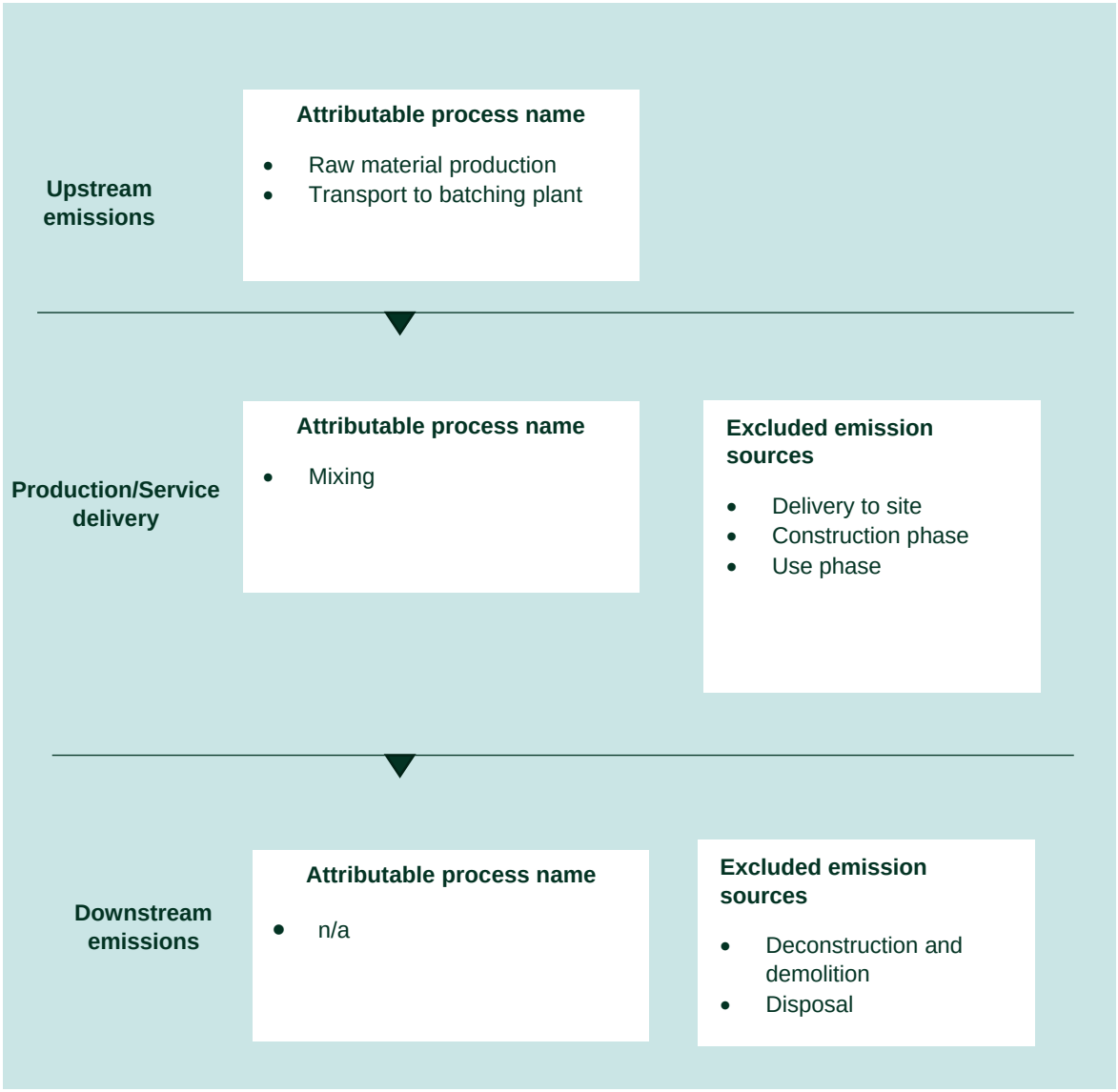
Outside emission boundary

Non-attributable

- Delivery to site and construction phase
- Use phase
- Deconstruction and demolition
- Disposal

Product process diagram

The diagram below covers a cradle-to-gate boundary.



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Our commitment to quality, innovation, and reduction of our carbon footprint began many years before other major concrete suppliers. Portland Cement used in concrete is by far the highest contributor to carbon emissions production, >80%, and is traditionally renowned for very high carbon emissions, being in the realm of 1000kg of CO_2-e per each 1t final product. Pronto led the Victorian market with the early introduction of Ground Granulated Blast Furnace Slag (GGBFS) ex ICL, in Pronto Concrete and also in MVQ cement treated products. The higher utilisation of GGBFS and its use in combination with Fly Ash, when compared to Fly Ash replacement alone, has resulted in Barro Group achieving impressive early reduction baselines and laid the foundation for a very effective emissions reduction strategy moving into the future.

We have offered Low Carbon Concrete (LCC) to the market for some decades and in conjunction with the mix design innovations and the development of lower carbon cement production by AdBri, our major GP Cement supplier, we have some of the lowest carbon emitting products in the Victorian market. AdBri have an emission reduction strategy that is world-class, see "NET ZERO Emissions Roadmap" 2 May 2022, and to 2024, have achieved Scope 1 and 2 emissions reductions in the order of 30%.

Barro Group's historical high level of supplementary utilisation in Pronto Concrete products and more recent product innovations such as our E-Mix range of LCC products that includes E-Mix Ultima and E-Mix Zero. Both of these products have industry leading Portland Cement and associated $kgCO_2$-e/m^3 reductions of up to 60% coupled high performance properties, and an Opt-In Carbon Neutral option. Our Slag Activation and Low Concrete Shrinkage technology (*Patent Pend.:2023901922*) is a major innovation and an integral part of Barro's overall carbon emissions reduction strategy. The availability and option for the Victorian market to utilize these types of LCC products will reduce carbon emissions by at least 40% on any major concrete construction project and without affecting concrete technical compliance or durability, with no delays to construction timelines that are historically problematic when using LCC products.

Barro has increased the total average tons used per m^3 concrete of supplementary cementitious materials from 15 to 25% from our base-line usage 2017. This represents a percentage increase in the order of 62%, with associated $kgCO_2$-e/m^3 reductions for FY 2023/24 of over 40%.

Barro is committed to continue its carbon emissions reductions strategy by targeting incremental and practical improvements towards net zero.

The strategy includes then following components:

- Management review of environmental objectives and targets particularly with regards to:
  - Efficient use of energy
  - Conservation of water

- Minimisation and recycling of wastes
- Prevention of pollution
- Effective use of virgin and recovered resources and supplemental materials

❖ Reducing the greenhouse gas emissions from our processes, operations and facilities

❖ Product development which seeks to combine commercial viability and efficient use and conservation of resources

❖ Promote the use of Barro Group's technology and available LCC products

❖ Environmental assessment of new projects, asset purchases and existing operations

❖ Rehabilitation of areas affected by business operations

❖ Communication of Barro Group's Environmental Policy and ERS.

❖ Striving to meet community expectations through consultation within Barro Group and with other relevant bodies, community groups and neighbours regarding environmental matters

Barro Group's ERS targets further increased use of supplementary cementitious materials and thereby reducing our $kgCO_2$-e/m^3 by using less Portland cement in our LCC's.

Barro Group's emissions reductions strategy:

- Committed to reducing scope 1 and 2 emissions on average for supplied concrete mixes to 44% by 2025 and targeting 50% by 2030. This is measurable by comparing the annual purchases of GP cement and Supplementary Cementitious products.
- Our 45% target represents a 18% reduction from the base-line year of 2017 and is predominantly based on Portland Cement reductions across all products, and is a key driver of our decarbonisation pathway.
- These strategic targets are measurable and achievable with the promotion and forecast of increased sales of E-Mix products in the market.
- We plan to make our E-Mix range of Low Carbon Concrete products available at more concrete production plants and locations. We will also assist our customers and their clients choose our lowest carbon offerings.
- The increased uptake of GL cement from Adbri that is currently being trialled. This new GL cement will provide additional reductions within cement production emissions in the order of 10%.
- Continued innovation and the upstream improvements in energy efficiencies by Adbri will assist with the flow-on affects in Portland Cement production emissions reductions that will bolster Barro Group's efforts and have positive effects on future targets.
- Periodic reviews of total cement levels to ensure any reductions are identified and actioned to reduce cement levels of all normal mixes and
- Capturing any improvements in admixture technology where they assist in the reduction of overall cement levels and/or water content in Normal and Special concrete mixes.
- Lower carbon supply chain particularly with transportation and handling of constituent materials with continuous upgrades of Cartage Australia's trucking fleet and heavy quarry and concrete plant machinery.
- All of these emission reduction streams are designed to build upon continuous improvements and head towards our ultimate goal of zero emissions target by 2050.

5.EMISSIONS SUMMARY

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

Certified brand name	Product/Service/Building/Precinct used
n/a	n/a

Emissions summary

The summary of the LCA is represented here. The emissions are broken down by product name and all emissions are on an opt-in basis, projected for FY2024-25. The EPD covers 42 pre-mix concrete products, but only those included in the projection for opt-in sales are shown below.

No uplift factors were included in the emissions total.

Life cycle stage / Attributable process / Emission source	tCO_2-e
E40SP	30.6
E50SP	102.6
E65SP	243.0
E80SP	95.9
E100SP	38.2
E40PT22N3	3,336.5
E65N56PUD	1030.2
Attributable emissions (tCO_2-e)	4,877

Product / Service offset liability	
Emissions intensity per functional unit	0.2941 tCO_2-e/m3
Emissions intensity per functional unit including uplift factors	n/a
Number of functional units covered by the certification	16,584 m3
Total emissions (tCO_2-e) to be offset	**4,877**

6. CARBON OFFSETS

Eligible offsets retirement summary

No hyperlink to offset details is available, so a copy of the retirement confirmation has been provided to Climate Active, and is also included in Appendix A.

Offsets retired for Climate Active certification

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Australian Carbon Credit Units (ACCUs)	4,877	100%

Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity retired (tCO_2-e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Narndee and Boodanoo Regeneration Project (ERF121756)	ACCU	ANREU	18 June 2024	8,342,214,168 – 8,342,219,044	2021-22		4,877	0	0	4,877	100%
									Total offsets retired this report and used in this report	**4,877**	
									Total offsets retired this report and banked for future reports	**0**	

Co-benefits

n/a

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

n/a

APPENDIX A: ADDITIONAL INFORMATION

Australian Government
Clean Energy Regulator

Australian National Registry of Emissions Units

ANREU Home
Account Holders
Accounts
Unit Position Summary
Projects
Transaction Log
CER Notifications
Public Reports
My Profile

Logged in as: Daniela Gomez Pimpollo Mejia / Industry User

Transaction Details

Transaction details appear below.

Transaction ID	AU34305
Current Status	Completed (4)
Status Date	18/06/2024 14:01:39 (AEST) 18/06/2024 04:01:39 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Gomez Pimpollo Mejia, Daniela
Transaction Approver	Zhou, Tom Yi Shang
Comment	Credits retired on behalf of the Investa/Roberts Co. 3McNab Ave Project, Footscray

Transferring Account

Account Number	AU-2977
Account Name	South Pole Australia Financial Services Pty Ltd
Account Holder	South Pole Australia Financial Services Pty Ltd

Acquiring Account

Account Number	AU-1068
Account Name	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

Transaction Blocks

Party	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			ERF121756					2021-22		8,342,214,168 - 8,342,219,044	4,877

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	
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			

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
Delivery to site and construction phase	N	N	N	N	N	**Size:** The emissions source is likely to be small relative to other attributable emissions. **Influence:** Barro Group do not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the product. **Outsourcing:** Barro Group have not previously undertaken this activity within the emissions boundary and comparable products/services do not typically undertake this activity within their boundary.
Use phase	N	N	N	N	N	**Size:** The emissions source is likely to be small relative to other attributable emissions. **Influence:** Barro Group do not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the product. **Outsourcing:** Barro Group have not previously undertaken this activity within the emissions boundary and comparable products/services do not typically undertake this activity within their boundary.
Deconstruction and demolition	N	N	N	N	N	**Size:** The emissions source is likely to be small relative to other attributable emissions. **Influence:** Barro Group do not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the product. **Outsourcing:** Barro Group have not previously undertaken this activity within the emissions boundary and comparable products/services do not typically undertake this activity within their boundary.

Disposal	N	N	N	N	N	**Size:** The emissions source is likely to be small relative to other attributable emissions. **Influence:** Barro Group do not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the product. **Outsourcing:** Barro Group have not previously undertaken this activity within the emissions boundary and comparable products/services do not typically undertake this activity within their boundary.

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