



PUBLIC DISCLOSURE STATEMENT

CRYSTAL PRINTING SOLUTIONS PTY LTD

**ORGANISATION CERTIFICATION
FY2021–22**

Australian Government
Climate Active
Public Disclosure Statement




**CRYSTAL
 PRINT &
 PACKAGING
 SOLUTIONS**



An Australian Government Initiative



| | |
|--------------------------|---|
| NAME OF CERTIFIED ENTITY | Crystal Printing Solutions Pty Ltd (T/A Crystal Print and Packaging Solutions) |
| REPORTING PERIOD | Financial Year 1 July 2021 – 30 June 2022 Arrears report |
| 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 style="text-align: center;"></p> <p>Arnold Whiteside Managing Director</p> <p style="text-align: right;"><i>17-7-2023</i></p> |



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

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Version March 2023.



1. CERTIFICATION SUMMARY

| | |
|------------------------|--|
| TOTAL EMISSIONS OFFSET | 4267.88 tCO ₂ -e (Rounded up to 4268 tCO ₂ -e) |
| OFFSETS USED | 5% ACCUs, 95% CERs |
| RENEWABLE ELECTRICITY | N/A |
| CARBON ACCOUNT | Prepared by: ESG Capital Pty Ltd |
| TECHNICAL ASSESSMENT | 17 th May 2023 ESG Capital Pty Ltd Next technical assessment due: reporting period FY2025 |
| THIRD PARTY VALIDATION | Type 1 19 th May 2023 Epigroup Pty Ltd |

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2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification is for the business operations of Crystal Printing Solutions Pty Ltd (**CPS** or **Company; ABN 57 087 648 593**) that encompasses all corporate activities. CPS is a leading printing, packaging, and signage company, based in Perth. CPS has conducted annual audits of its emissions profile, offset all resulting emissions, and achieved carbon neutral status (issued by the [Carbon Reduction Institute](#)) since 2012. For Financial Year 2022 (1 July 2021 – 30 June 2022; FY22), the Company decided to transition to the Climate Active program and will commit to achieving carbon neutral status *via* the Climate Active program moving forward.

The carbon emissions baseline period is FY22. The emissions baseline data was compiled in accordance with the principles of the Climate Active Carbon Neutral Standard and the National Greenhouse and Energy Reporting Act 2007. The carbon inventory includes, but is not limited to, offices, warehouses, third-party consultants, and paper and freight suppliers. Further details on the emissions boundary are contained in this document.

What started as an attempt to reduce high energy costs, has now grown into a strong commitment to sustainable printing and packaging. CPS believes that it is important to demonstrate that a company can substantially influence and ultimately reduce emissions within its direct or indirect control through awareness, strategic focus, and decision making.

Organisation description

Crystal Printing Solutions Pty Ltd (ABN 57 087 648 593) is a printing company that has achieved carbon neutral status for the past 10 years *via* the [Carbon Reduction Institute](#), demonstrating leadership in sustainable printing and packaging. CPS operates out of its 4000sqm warehouse and office in Cannington, Perth, where all corporate and operational activities occur.

An operational control approach has been selected to determine relevant emission sources. Crystal Printing Solutions Pty Ltd trades under the following names:

- 1) Crystal Print & Packaging Solutions
- 2) Crystalpack
- 3) Worldwide Cannington
- 4) Worldwide East Perth
- 5) Worldwide Online Printing

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 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.

Inside emissions boundary

Quantified

- Accommodation and facilities
- Wooden pallets
- Cleaning and chemicals
- Climate Active Carbon Neutral Products and Services
- Construction Materials and Services
- Electricity
- Food
- ICT services and equipment
- Machinery and vehicles
- Office equipment & supplies
- Postage, courier, and freight
- Products
- Professional Services
- Stationary Energy (Liquid Fuels)
- Transport (Air)
- Transport (Land and Sea)
- Waste
- Water

Non-quantified

Optionally included

N/A

Outside emission boundary

Excluded

N/A

3. EMISSIONS REDUCTIONS

Emissions reduction strategy

The core business of Crystal Printing Solutions requires the business to purchase large amounts of paper in varying sizes and thickness, unlike conventional A4 paper. The purchase of paper contributes to 69% of CPS' total emissions profile. With Opal Australia's mill factory in Victoria closed, there will be no Climate Active certified paper. Therefore, it is logistically challenging for CPS to set an overarching emission reduction target for the organization for this reporting period, but CPS is aiming to set an overarching target in reporting period FY25 once CPS defines the feasibility of Climate Active certified carbon neutral paper. Crystal Printing Solutions is committed to taking action in any areas where it is practical and feasible.

| Emission Source | Emission Reduction Actions for FY24 | CPS's Goals for FY24 | Contribution to Carbon Inventory |
|-------------------------------------|--|---|----------------------------------|
| Diesel & Unleaded Petrol | <ul style="list-style-type: none"> Transition two company-paid vehicles to fully electric cars. Conduct a feasibility assessment of hybrid/electric delivery vans. | CPS will reduce diesel fuel consumption and related emissions. By doing so, CPS will reduce at least 26.64 tCO ₂ -e. | 1% |
| Liquified Petroleum Gas | <ul style="list-style-type: none"> Transition all liquified petroleum gas (LPG) usage to Origin Go Zero LPG (Climate Active certified product). | CPS will reduce LPG emissions. By doing so, CPS will reduce at least 4.58 tCO ₂ -e. | < 1% |
| Electricity | <ul style="list-style-type: none"> Explore the possibility of Opt-in GreenPower with current electricity contract. | NIL | 6% |
| Flights | <ul style="list-style-type: none"> Voluntarily opt-in for Qantas carbon neutral service for all business-related flights taken with Qantas | CPS will reduce flight emissions generated from Qantas flights. By doing so, CPS will reduce at least 4.02 tCO ₂ -e. | < 1% |

| | | | |
|----------------------|---|--|------|
| Drinks (Beer) | <ul style="list-style-type: none"> Buy Capital Brewing Co. Good Nature Brews (Climate Active Certified Product) when purchasing staff drinks. | CPS will reduce drinks emissions from beer purchase. By doing so, CPS will reduce at least 0.54 tCO ₂ -e. | < 1% |
| General | <ul style="list-style-type: none"> Identify alternative suppliers across the value chain that can provide Climate Active-certified services and/or products. Define feasibility of Climate Active certified paper Encourage suppliers to get onboard with Climate Active certification. Establish ESG sub-committee that is focused on identifying emissions reduction initiatives. | NIL | |

4. EMISSIONS SUMMARY

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

| Certified brand name | Product/Service/Building/Precinct used |
|-----------------------|--|
| Opal Australian Paper | Opal branded paper (Victory High) |

Emissions summary

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

| Emission category | Sum of Scope 1 (t CO2-e) | Sum of Scope 2 (t CO2-e) | Sum of Scope 3 (t CO2-e) | Sum of Total Emissions (t CO2-e) |
|---|-----------------------------|-----------------------------|-----------------------------|--|
| Accommodation and facilities | 0.00 | 0.00 | 0.11 | 0.11 |
| Wooden pallets | 0.00 | 0.00 | 0.62 | 0.62 |
| Cleaning and Chemicals | 0.00 | 0.00 | 3.07 | 3.07 |
| Climate Active Carbon Neutral Products and Services | 0.00 | 0.00 | 0.00 | 0.00 |
| Construction Materials and Services | 0.00 | 0.00 | 4.14 | 4.14 |
| Electricity | 0.00 | 251.39 | 19.72 | 271.11 |
| Food | 0.00 | 0.00 | 2.59 | 2.59 |
| Horticulture and Agriculture | 0.00 | 0.00 | 0.00 | 0.00 |
| ICT services and equipment | 0.00 | 0.00 | 10.71 | 10.71 |
| Machinery and vehicles | 0.00 | 0.00 | 61.62 | 61.62 |
| Office equipment & supplies | 0.00 | 0.00 | 3326.81 | 3326.81 |
| Postage, courier and freight | 0.00 | 0.00 | 248.40 | 248.40 |
| Products | 0.00 | 0.00 | 3.84 | 3.84 |
| Professional Services | 0.00 | 0.00 | 108.50 | 108.50 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 0.00 |
| Roads and landscape | 0.00 | 0.00 | 0.00 | 0.00 |
| Stationary Energy (gaseous fuels) | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | |
|----------------------------------|--------------|---------------|----------------|----------------|
| Stationary Energy (liquid fuels) | 3.45 | 0.00 | 1.16 | 4.61 |
| Stationary Energy (solid fuels) | 0.00 | 0.00 | 0.00 | 0.00 |
| Transport (Air) | 0.00 | 0.00 | 4.02 | 4.02 |
| Transport (Land and Sea) | 29.90 | 0.00 | 57.95 | 87.85 |
| use for duplicates | 0.00 | 0.00 | 0.00 | 0.00 |
| Waste | 0.00 | 0.00 | 127.50 | 127.50 |
| Water | 0.00 | 0.00 | 2.38 | 2.38 |
| Working from home | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 33.35 | 251.39 | 3983.14 | 4267.88 |

Uplift factors

N/A.

5. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is **4268 t CO₂-e**. The total number of eligible offsets used in this report is **4268**. Of the total eligible offsets used **0** were previously banked and **4268** were newly purchased and retired. **0** are remaining and have been banked for future use.

Co-benefits

24 MW Bhilangana – III Hydro Power Project

This project contributes to:

1. Sustainable development as it assists in the shift away from fossil fuel and towards renewable energy generation through hydro power, reducing emissions.
2. Social well-being by providing jobs due to project construction and project operation. This project is in a poverty-stricken minority region. Therefore, this project will assist in the reduction of poverty.
3. Social well-being by improving infrastructure development in the region, e.g., roads, which will benefit the local community.
4. Economic well-being as the project improves electricity availability to grid and provides business opportunities for local stakeholders.

Eligible offsets retirement summary

| Offsets retired for Climate Active Carbon Neutral Certification | | | | | | | | | | | |
|--|----------------------|--|---------------|--|---------|---------------------|---|---|---|--|-------------------------|
| 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 (%) |
| 24MW Bhilangana – III Hydro Power Project | CER | CDM | 23rd May 2023 | IN-5-202756516-2-2-0-2936 to IN-5-202760569-2-2-0-2936 | CP2 | | 4054 | 0 | 0 | 4054 | 95% |
| Yuin Station, Murchison, HIR aggregation | KACCU | ANREU | 19th May 2023 | 8,352,664,276 - 8,352,664,489 | 2022-23 | | 214 | 0 | 0 | 214 | 5% |
| Total eligible offsets retired and used for this report | | | | | | | | | | 4268 | |
| Total eligible offsets retired this report and banked for use in future reports | | | | | | | | | | 0 | |
| Type of offset units | | Eligible quantity (used for this reporting period) | | | | Percentage of total | | | | | |
| Australian Carbon Credit Units (ACCUs) | | 214 | | | | 5% | | | | | |
| Certified Emissions Reductions (CERs) | | 4054 | | | | 95% | | | | | |

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

| | |
|------------------------------|--|
| Transaction ID | AU27390 |
| Current Status | Awaiting Account Holder Approval (95) |
| Status Date | 19/05/2023 12:11:23 (AEST) 19/05/2023 02:11:23 (GMT) |
| Transaction Type | Cancellation (4) |
| Transaction Initiator | Sain-ley-berry-gray, Sebastian |
| Comment | Retired on behalf of Crystal Printing Solutions to meet their carbon neutral obligations as required for Crystal Printing Solutions' FY22 Climate Active certification |

Transferring Account

| | |
|-----------------------|-------------------------|
| Account Number | AU-3150 |
| Account Name | SG OPTION FUNDS PTY LTD |
| Account Holder | SG OPTION FUNDS 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 | | | ERF159556 | | | | | 2022-23 | | 8,352,664,276 - 8,352,664,489 | 214 |

Appendix A1: Proof of ACCU retirement.



United Nations
Framework Convention on
Climate Change

DATE: 23 MAY 2023
REFERENCE: VC28084/2023

VOLUNTARY CANCELLATION CERTIFICATE

Presented to
Automic Pty Ltd

Project
24 MW Bhilangana - III Hydro Power Project

Reason for cancellation
Retired on behalf of Crystal Printing Solutions to meet their carbon neutral obligations as required for Crystal Printing Solutions' FY22 Climate Active certification.


Number of units cancelled

4,054 CERs

Equivalent to 4,054 tonne(s) of CO₂

Start serial number: IN-S-202756516-2-2-0-2936 End serial number: IN-S-202760569-2-2-0-2936

The certificate is issued in accordance with the procedure for voluntary cancellation in the CDM Registry. The reason included in this certificate is provided by the cancellor.



Appendix A2: Proof of CER retirement.

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

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 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.

For this certification, electricity emissions have been set by using the location-based approach.

| Market Based Approach Summary | | | |
|---|---------------------|----------------------|-------------------------------|
| Market Based Approach | Activity Data (kWh) | Emissions (kg CO2-e) | Renewable Percentage of total |
| Behind the meter consumption of electricity generated | 91,485 | 0 | 16% |
| Total non-grid electricity | 91,485 | 0 | 16% |
| LGC Purchased and retired (kWh) (including PPAs) | 0 | 0 | 0% |
| GreenPower | 0 | 0 | 0% |
| Climate Active precinct/building (voluntary renewables) | 0 | 0 | 0% |
| Precinct/Building (LRET) | 0 | 0 | 0% |
| Precinct/Building jurisdictional renewables (LGCs surrendered) | 0 | 0 | 0% |
| Electricity products (voluntary renewables) | 0 | 0 | 0% |
| Electricity products (LRET) | 0 | 0 | 0% |
| Electricity products jurisdictional renewables (LGCs surrendered) | 0 | 0 | 0% |
| Jurisdictional renewables (LGCs surrendered) | 0 | 0 | 0% |
| Jurisdictional renewables (LRET) (applied to ACT grid electricity) | 0 | 0 | 0% |
| Large Scale Renewable Energy Target (applied to grid electricity only) | 92,669 | 0 | 16% |
| Residual Electricity | 400,251 | 382,239 | 0% |
| Total renewable electricity (grid + non grid) | 184,154 | 0 | 32% |
| Total grid electricity | 492,920 | 382,239 | 16% |
| Total electricity (grid + non grid) | 584,404 | 382,239 | 32% |
| Percentage of residual electricity consumption under operational control | 100% | | |
| Residual electricity consumption under operational control | 400,251 | 382,239 | |
| Scope 2 | 353,468 | 337,562 | |
| Scope 3 (includes T&D emissions from consumption under operational control) | 46,783 | 44,677 | |
| Residual electricity consumption not under operational control | 0 | 0 | |
| Scope 3 | 0 | 0 | |

| | |
|--|---------------|
| Total renewables (grid and non-grid) | 31.51% |
| Mandatory | 15.86% |
| Voluntary | 0.00% |
| Behind the meter | 15.65% |
| Residual scope 2 emissions (t CO₂-e) | 337.56 |
| Residual scope 3 emissions (t CO₂-e) | 44.68 |
| Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e) | 337.56 |
| Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e) | 44.68 |
| Total emissions liability (t CO₂-e) | 382.24 |

Figures may not sum due to rounding. Renewable percentage can be above 100%

| Location Based Approach Summary | | | | | | |
|--|---------------------------|---------------------------|---|---|-------------------------------|---|
| Location Based Approach | Activity Data (kWh) total | Under operational control | | | Not under operational control | |
| Percentage of grid electricity consumption under operational control | 100% | (kWh) | Scope 2 Emissions (kg CO ₂ -e) | Scope 3 Emissions (kg CO ₂ -e) | (kWh) | Scope 3 Emissions (kg CO ₂ -e) |
| ACT | 0 | 0 | 0 | 0 | 0 | 0 |
| NSW | 0 | 0 | 0 | 0 | 0 | 0 |
| SA | 0 | 0 | 0 | 0 | 0 | 0 |
| VIC | 0 | 0 | 0 | 0 | 0 | 0 |
| QLD | 0 | 0 | 0 | 0 | 0 | 0 |
| NT | 0 | 0 | 0 | 0 | 0 | 0 |
| WA | 492,920 | 492,920 | 251,389 | 19,717 | 0 | 0 |
| TAS | 0 | 0 | 0 | 0 | 0 | 0 |
| Grid electricity (scope 2 and 3) | 492,920 | 492,920 | 251,389 | 19,717 | 0 | 0 |
| ACT | 0 | 0 | 0 | 0 | | |
| NSW | 0 | 0 | 0 | 0 | | |
| SA | 0 | 0 | 0 | 0 | | |
| VIC | 0 | 0 | 0 | 0 | | |
| QLD | 0 | 0 | 0 | 0 | | |
| NT | 0 | 0 | 0 | 0 | | |
| WA | 91,485 | 91,485 | 0 | 0 | | |
| TAS | 0 | 0 | 0 | 0 | | |
| Non-grid electricity (behind the meter) | 91,485 | 91,485 | 0 | 0 | | |
| Total electricity (grid + non grid) | 584,404 | | | | | |

| | |
|--|---------------|
| Residual scope 2 emissions (t CO₂-e) | 251.39 |
| Residual scope 3 emissions (t CO₂-e) | 19.72 |
| Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e) | 251.39 |
| Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e) | 19.72 |
| Total emissions liability | 271.11 |

APPENDIX C: INSIDE EMISSIONS BOUNDARY

N/A.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

N/A.



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