



PUBLIC DISCLOSURE STATEMENT

BIG SPRINGS WATER

ORGANISATION CERTIFICATION

FY2020–21


Australian Government
Climate Active
Public Disclosure Statement

BIG SPRINGS
NATURAL SPRING WATER



An Australian Government Initiative



| | |
|---------------------------------|---|
| NAME OF CERTIFIED ENTITY | Big Springs Riverina and Big Springs Water |
| REPORTING PERIOD | Financial year 1 July 2020 – 30 June 2021 Arrear's report – Base Year |
| 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>Angus Wilson Director 3rd November 2021</p> |



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

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



1. CERTIFICATION SUMMARY

| | |
|------------------------|--|
| TOTAL EMISSIONS OFFSET | 600 tCO ₂ -e |
| OFFSETS BOUGHT | 100% VERs |
| RENEWABLE ELECTRICITY | 19% |
| TECHNICAL ASSESSMENT | Not required for Small Organisation |
| THIRD PARTY VALIDATION | Type 1 9 th September 2021 |

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2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon inventory is for the financial year period 1st July 2020 to 30th June 2021, forms the baseline inventory and has been developed in accordance with the Climate Active Carbon Neutral Standard for Organisations. The boundary has been defined based on the operational control approach.

This certification covers the Australian business operations of “The Trustee for Angus Wilson Family Trust & the Trustee for Pat Wilson Family Trust” trading as Big Springs Riverina, also known as Big Springs Water. ABN 16 449 525 084.

Organisation description

Big Springs Riverina bottles and delivers natural spring water to clients throughout NSW, ACT and Victoria.

Our local drivers provide a free delivery service through our network of delivery areas. Shipping is also available Australia-wide for our purchase-outright products.

Famous for our fresh, natural spring water, we provide bottled water, filter systems and bubblers for your hydration needs. Sourced from a single spring in regional NSW, Big Springs Water brings the highest quality, refreshing spring water to you.

The following offices and core assets are owned or operated by Big Springs and are included in this carbon inventory:

- 1 Hovel Street Wagga Wagga NSW – main office
- 3 Hovel St Wagga Wagga NSW
- 36 Collier Street Griffith NSW
- 10 Royal St Parkes NSW – storage warehouse
- 21 Endurance Ave Queanbeyan ACT – storage warehouse

“Being carbon neutral is core to our sustainability beliefs and helps our customers make a conscious decision in choosing our products. If we, as a small family business can become carbon neutral, others can too.”

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. Emission sources can be excluded if they do not occur.

Inside the emissions boundary

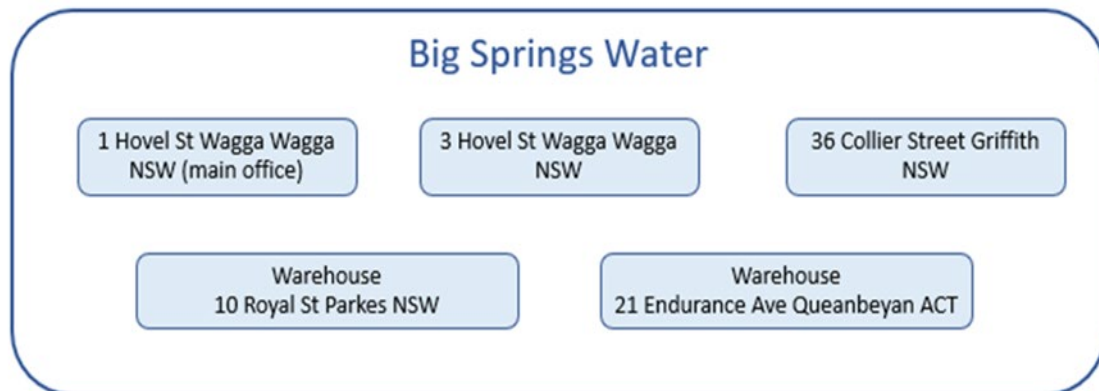
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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.



| Inside emissions boundary | | Outside emission boundary |
|---|--|---|
| <p><u>Quantified</u></p> <ul style="list-style-type: none"> Accommodation Air travel Cleaning & chemicals Construction materials and Servicing Electricity Horticulture and Agriculture ICT services and equipment Fuel Land and Sea transport Machinery and vehicles Office equipment and supplies Postage, courier and freight Products Professional Services Refrigerants Stationery Energy Waste Water | <p><u>Non-quantified</u></p> <p>None</p> | <p><u>Excluded</u></p> <p>Water products</p> |
| | <p><u>Optionally included</u></p> <p>None</p> | |

Although air travel and refrigerants are deemed a relevant emission under the small organisation certification, Big Springs Water does not use these and as such they have not been included in PDS or carbon inventory.

Data management plan for non-quantified sources

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

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Big Springs Riverina's carbon reduction strategy consists of:

Sustainability policies

- Establish environmental sustainability policies for the business and make them publicly available by 30 June 2022
- Set an overall emissions reduction target by 30 June 2022
- Create a five-year climate action and emission reduction plan by 30 June 2022

Energy emission reductions

- Upgrade / install state of the art bottling equipment during 2022 for core product lines
- Transition to 100% green power or certified carbon neutral energy by 2030
- Consider energy audit of sites to identify energy efficiency opportunities by end 2022
- Investigate solar PV system for sites without solar

Fuel, Travel and commuting

- Investigate optimisation of delivery vehicle travel through route planning to reduce travel, fuel and associated emissions. Software options include Optimoroute and My Trucking.
- Investigate transitioning from gas fuelled forklifts to electric models
- Investigate transition to hybrid and lower emissions transport options for delivery trucks

Waste reductions

- Identify soft plastics recycling point to remove wrapping from general waste and recycle.
- Conduct waste assessment/audit to identify further opportunities

Company purchasing policies

- Update company policies to formally preference more sustainable and resource efficient products, and where possible certified carbon neutral products and services by 30 June 2022

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

None

Organisation emissions summary

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

| Row Labels | Sum of Total Emissions (TCO2e) |
|-------------------------------------|--------------------------------|
| Accommodation and facilities | 22.686 |
| Cleaning and Chemicals | 1.548 |
| Construction Materials and Services | 15.141 |
| Electricity | 27.904 |
| Horticulture and Agriculture | 0.981 |
| ICT services and equipment | 8.308 |
| Land and Sea Transport (fuel) | 361.996 |
| Land and Sea Transport (km) | 39.265 |
| Machinery and vehicles | 18.801 |
| Office equipment & supplies | 4.298 |
| Postage, courier and freight | 17.376 |
| Products | 0.408 |
| Professional Services | 21.455 |
| Stationary Energy | 13.054 |
| Waste | 14.480 |
| Water | 2.889 |
| Grand Total | 570.589 |

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 |
|---|---------------------|
| Compulsory additional 5% of the total to be added for small organisations | 28.529 |
| <i>Total footprint to offset (uplift factors + net emissions)</i> | 599.119 |

6. CARBON OFFSETS

Offsets strategy

| Offset purchasing strategy: In arrears | |
|--|------------|
| 1. Total offsets previously forward purchased and banked for this report | Zero |
| 2. Total emissions liability to offset for this report | 600 tonnes |
| 3. Net offset balance for this reporting period | 600 tonnes |
| 4. Total offsets to be forward purchased to offset the next reporting period | Zero |
| 5. Total offsets required for this report | 600 tonnes |

Co-benefits

The Hydrad project in Kenya focuses on providing safe water to some of the most rural and poor communities in Kenya. It is a program involving the sale and distribution of point of use, zero energy bio-sand water filters. The water filtration system is convenient and efficient, and able to provide enough safe water for domestic consumption for an average household.

CERTIFIED SDG IMPACTS



PROJECT TYPE



Energy Efficiency - Domestic

STATUS



Gold Standard Certified Project

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 (%) |
| Hydrad Water Filtration in Kenya (GS1124) | VERs | Gold Standard | 14 Oct 2021 | GS1-1-KE-GS1124-16-2019-18858-20-619 | 2019 | 600 | 0 | 0 | 600 | 100% |
| Total offsets retired this report and used in this report | | | | | | | | | 600 | |
| 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 | |
| Verified Emissions Reductions (VERs) | | | | | | 600 | | | 100% | |

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)* | N/A |
| 2. Other RECs | N/A |

* 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 | |
|---|----------------|----------|----------------|---------------------------|---------------------------|-----------------|----------------|-------------|----------|--|
| N/A | | | | | | | | | | |
| <i>Total LGCs surrendered this report and used in this report</i> | | | | | | | | | | |

APPENDIX A: ADDITIONAL INFORMATION

Big Springs Water have planted over 20,000 native trees across two plantations on the property and 80% of our production requirements are acquired through solar. We aim to be 100% renewable by 2023-24.

In addition to these initiatives, the core function that makes us unique to large shirk-wrapped single-use water bottle manufactures, is that our water bottles are returnable and re-usable. Our business is based on a returnable model where we eliminate the need for single use plastic water bottles. We believe our model should be the direction taken in Australia. Our closed loop approach continues to grow and has led to our success as a small business in regional NSW.

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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.

| Market Based Approach Summary | | | |
|--|---------------------|---------------------------------|-------------------------------|
| Market Based Approach | Activity Data (kWh) | Emissions (kgCO ₂ e) | Renewable Percentage of total |
| Behind the meter consumption of electricity generated | 0 | 0 | 0% |
| Total non-grid electricity | 0 | 0 | 0% |
| LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs) | 0 | 0 | 0% |
| GreenPower | 0 | 0 | 0% |
| Jurisdictional renewables (LGCs retired) | 0 | 0 | 0% |
| Jurisdictional renewables (LRET) (applied to ACT grid electricity) | 0 | 0 | 0% |
| Large Scale Renewable Energy Target (applied to grid electricity only) | 10,838 | 0 | 19% |
| Residual Electricity | 46,429 | 49,822 | 0% |
| Total grid electricity | 57,267 | 49,822 | 19% |
| Total Electricity Consumed (grid + non grid) | 57,267 | 49,822 | 19% |
| Electricity renewables | 10,838 | 0 | |
| Residual Electricity | 46,429 | 49,822 | |
| Exported on-site generated electricity | 28,100 | -21,918 | |
| Emission Footprint (kgCO ₂ e) | | 27,904 | |
| Total renewables (grid and non-grid) | 18.93% | | |
| Mandatory | 18.93% | | |
| Voluntary | 0.00% | | |
| Behind the meter | 0.00% | | |
| Residual Electricity Emission Footprint (TCO₂e) | 28 | | |
| <i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i> | | | |

Location Based Approach Summary

| Location Based Approach | Activity Data (kWh) | Emissions (kgCO2e) |
|--|---------------------|--------------------|
| ACT | 0 | 0 |
| NSW | 57,267 | 51,540 |
| Vic | 0 | 0 |
| Grid electricity (scope 2 and 3) | 57,267 | 51,540 |
| ACT | 0 | 0 |
| NSW | 0 | 0 |
| Vic | 0 | 0 |
| Non-grid electricity (Behind the meter) | 0 | 0 |
| Total Electricity Consumed | 57,267 | 51,540 |

Emission Footprint (TCO2e)

52

Climate Active Carbon Neutral Electricity summary

| Carbon Neutral electricity offset by Climate Active Product | Activity Data (kWh) | Emissions (kgCO2e) |
|---|---------------------|--------------------|
| <i>Enter product name/s here</i> | 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

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 |
|--|----------------|---|--|-----------------|
| None | Yes/No | Yes/No | Yes/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.

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? |
|---------------------------------------|----------|---------------|----------|------------------|-----------------|-----------------------|
| Water Products | No | No | No | Yes | No | No |

Although air travel and refrigerants are a relevant emission under the small organisation certification, we have not used these sources during this period and as such there are no emissions so they are not included in this PDS or carbon inventory.

Product materials and manufacturing have been excluded based on the relevance test as emissions from manufacture of the products sold are outside of the operational control and / or emissions are low relative to the organisations electricity, stationary energy and fuel emissions.



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