

2016 PERTH ECO-FAIR GREENHOUSE GAS INVENTORY (CARBON FOOTPRINT) REPORT

For **Psaros**



Prepared by Scott Favacho
Senior Carbon Advisor
Carbon Neutral
+61 (0)8 9200 4424
scottf@carbonneutral.com.au
www.carbonneutral.com.au



SUMMARY

Event Name: Psaros Eco-Fair 2016
 Disclosure type: Event
 Location: City Farm, 1 City Farm Pl, East Perth
 GHG Emission: 8.12 t CO₂-e

ABOUT THE EVENT

The Perth Eco-Fair is an event presented by Psaros at the Perth City Farm. The event provides an opportunity for local leaders in the world of sustainability and conservation to come together to demonstrate just how simple it is to choose and live a sustainable and exciting lifestyle.

Multiple sustainability initiatives for apartment occupants are showcased including renewable energy opportunities, water conservation, recycling and waste avoidance and alternative sustainable transport options that come from living in an apartment.

EMISSIONS SCOPE AND OPERATIONAL BOUNDARY

The emissions scope and organisational boundary for the GHG emissions inventory includes GHG emitting activities associated with the planning and operation of the Eco Fair and considered to be under the *operational control* of Psaros.

Operating locations and GHG emissions from following facilities have been included and reported on.

City Farm

1 City Farm Place
EAST PERTH

(Event location)

Psaros Head Office

11/50 Oxford Close
WEST LEEDERVILLE

(Planning location)

This inventory includes emissions from activities involved with planning the event. This includes stakeholder and planning meetings held before the event at held at City Farm.

Activities which result in emissions arising from the operation of the event include:

- The use of electricity at City Farm during the event
- Travel to and from the event,
- Food consumed during the event,
- Marketing and audio visual equipment use
- Set up at the event and
- Waste generated from the event.

The seven greenhouse gas sources covered by the Kyoto Protocol: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃) are included and reported as units of carbon dioxide equivalents (CO₂-e).

METHODOLOGY

Business activities outlined under the GHG Protocol Standard are reported against where relevant and where suitable activity data and emission factors are available. Carbon Neutral endeavours to ensure that reliable, accurate data is used and outlines all assumptions where appropriate.

Psaros provided Carbon Neutral with some activity data that has been used to calculate GHG emissions.

The veracity of this data is taken to be complete and accurate and has not been audited or independently verified by Carbon Neutral.

Carbon Neutral, a sponsor of the Perth Eco-Fair, also conducted surveys and interviews during the event. The information gained from these have been used as the basis on which to estimate activity data for the event.

Carbon Neutral uses emissions factors obtained from a variety of sources including the National Greenhouse Accounts Factors August 2015, the Balancing Act 2005, EPA Victoria and the Bureau of Infrastructure, Transport and Regional Economics.

Activities for which activity data could not be reasonably estimated or which result in insignificant emissions have been excluded from this assessment. This includes the use of water and office paper.

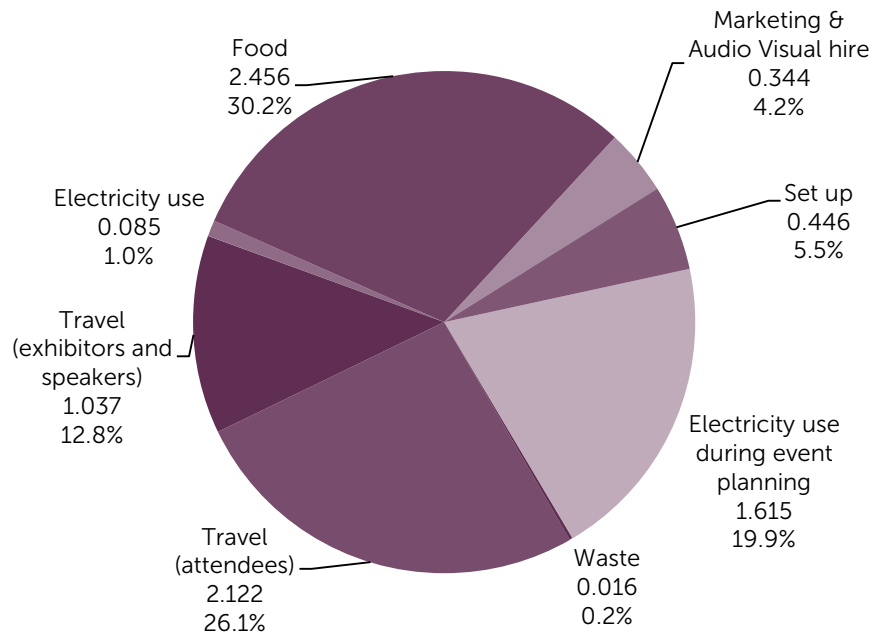
The breakdown of the scope of activities is shown in the following table.

| Activity | Scope |
|--------------------------------------|-------|
| Electricity use during planning | 2 & 3 |
| Travel (attendees) | 3 |
| Travel (exhibitors and speakers) | 3 |
| Electricity use (City Farm and Cafe) | 3 |
| Food | 3 |
| Marketing & Audio Visual hire | 3 |
| Set up | 3 |
| Waste | 3 |

GHG EMISSIONS BY ACTIVITY

The total GHG emissions calculated for the event is estimated at 8.12 tonnes of carbon dioxide equivalent (t CO₂-e).

A breakdown of emissions by activity can be seen in Figure 1.

Figure 1: Total GHG emissions by activity (t CO₂-e, %)

CARBON OFFSETS

Details of offsets purchased and retired for the Perth Eco-Fair are provided in the following table.

| Activity | Offset Type | Registry | Serial No's | Quantity (t CO ₂ -e) |
|---|---|---|---|---------------------------------|
| Flights | Purchased through Qantas at time of booking | | | 0.655 |
| All other activities | VCU - Gold Standard | https://mer.markit.com/br-reg/public/index.jsp?name=Psaros&entity=assignment&entity_domain=Markit_GoldStandard | GS1-1-AU-GS3039-22-2018-4981-7699 to 7706 | 8.000 |
| Total tonnes offset | | | | 8.655 |
| Event emissions | | | | 8.121 |
| Net GHG emissions from event after offsetting | | | | -0.776 |