

National Carbon Offset Standard for Events
Carbon Neutral Program
Large Event
Pre-Event Public Disclosure Summary



An Australian Government Initiative

RESPONSIBLE ENTITY NAME: Georges River Council


EVENT NAME: Lunar New Year Festival

EVENT DATE: Saturday 18 January 2020



Declaration

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the *National Carbon Offset Standard for Events*.

 Signature	06/12/19
Daniela Ramirez	
Senior Sustainability Officer	



Australian Government

Department of the Environment and Energy

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1. Carbon neutral information

This carbon account has been prepared based on the *National Carbon Offset Standard for Events*. As a large event the carbon inventory has been prepared using the standard Event calculator prepared by the National Carbon Offset Standard.

1A. Introduction

Georges River Council will welcome the Year of the Rat with our Lunar New Year Festival held on Saturday 18 January 2020.

This spectacular celebration reaches up to 50,000 residents and visitors along Forest Road, Hurstville. The Festival showcases the very best of our city and its success is a testament to the support of local community members and local businesses.

Georges River Council's Lunar New Year Festival is a wonderful celebration of our community, and local residents and businesses are encouraged to get involved and participate in the magnificent array of festivities.

2. Emissions reduction measures

Council has rented out 8 porta-loos with Solar panels included, in order to reduce electricity consumption. For future events, we will look to increase this number.

Council has also included in the Terms & Conditions of the food stalls a clause that suggests using bio-fuels in generators. Where possible, we will be looking to promote the use of bio-diesel in Council's own generators.

Terms & Conditions also include this year a clause to ban single use plastic bags, balloons and straws. Council has secured a water refill station that will decrease the number of single used plastic bottles generated in the event.

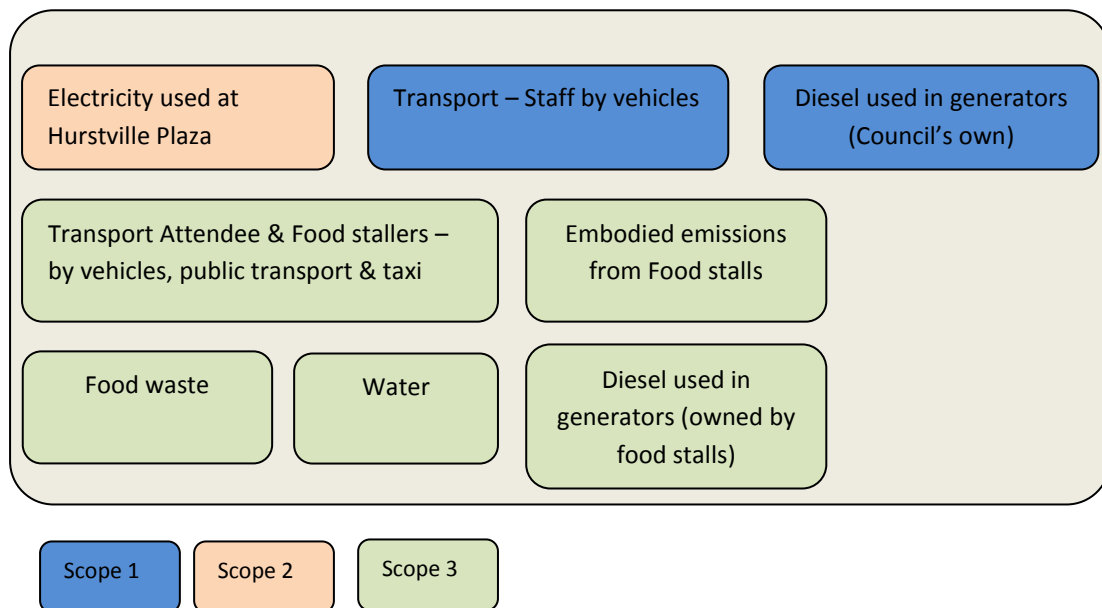
Events team has also increased the use of digital promotion and marketing for this event, avoiding the use of paper for promotion.

The location of the Event is close to public transport (Hurstville Train Station) and main Bus stops. Council will endeavour to promote sustainable transport options to this major event.

3. Emissions boundary

Activities identified as being relevant or the under the operational control of Georges River Council occurring as a consequence of the event have been included in the event emissions boundary. This cover electricity used for food demonstrations, air conditioning for the St Johns' tent, light and sound, transport of attendees, diesel used in generators, food waste and embodied emissions from Food stalls, (as described in the following Diagram).

Non-quantified emissions sources relating to printed marketing collateral and fuel usage by food vendors have been compensated for by adding an uplift factor of 1% of total emissions.



4. Emissions summary

Emission Category	tCO ₂ -e
Local transport (attendees by vehicles, public transport, taxi)	41.82
Food (embodied emissions)	737.49
Water	1.56
General waste	20.56
Electricity	0.12
Total tCO₂e	
Uplift factor/adjustment (as a 1 %)	8.01
Total tCO₂e + uplift factor	
Description of activities covered by uplift factor:	809.16

5. Data collection

Table 2. Data collection details		
Emission source	Data collection method	Assumptions
Electricity	For post-event, we will use the readings from for Hurstville Plaza NMI number that use electricity (kWh reading for that particular day)	Assumed to be 100m ² scenario
Diesel (Generators own by Council)	Two Diesel generators used to power stage, St Johns on and sponsors 2019 had 6 Generators running with 89 litres of Diesel Fuel.	Used data of 2019 Event Information Source- Coates Hire invoice
Diesel (Generator used by food stalls)	30 Food stallers bringing their own generators Estimated running from 8am-5pm (9 hours)	Estimated running from 8am-5pm (9 hours) Estimated a Generator size of 7kW, with ¾ load (litres/hr): 0.8 litres/hr 0.8 Litres/hr *30 (amount)*9 hr 216 Litters
Local Transport Vehicles (diesel/petrol)	<u>Truck</u> 6 trucks on the parade 14 km to the depot and back (Source- Google Maps)	6*14= 84 km

	<p><u>Truck</u> Coates Hire- Water truck to fill water barricades estimated distance 36 km to forest road and back (18km from depot to forest road) 10km of driving around filling barricades Information Source- Google Maps</p>	46 km
	<p><u>Truck</u> Mobile Truck Stage Estimated distance 17.8km (8.9km from their business to forest road) Information Source- Google Maps</p>	17.8km
<p>Local Transport Travel staff</p>	<p><u>Car</u> Not included as the location is walking distance from Civic Office</p>	0 km
<p>Local Transport Travel Stall holders</p>	<p><u>Car</u> 52 stalls travelled to the event. Total KM travelled is estimated to be 1680km (840kms there and back- screenshots of KMs travelled on last page) Information Source- Google Maps and Stallholder database D18/299868</p>	<p>Km travelled (estimated from the addresses listed in the registration form) 1680km</p>

<p>Local Transport Travel attendees</p>	<p>By train: 70% attendees (35,000)</p> <p>By bus: 10% attendees (5,000)</p> <p>By car: 5% attendees (2,500 pp) – 625 cars assuming each car transport 4 people</p> <p>By walk: 9% attendees (4,500)</p> <p>By bike: 1% attendees (500)</p> <p>Attendees estimated for last year was 50,000 24.2% of population is Chinese (38,335) – See Id Profile.</p> <p>Assuming that this is a local event within the LGA of Georges River, the local travelling to Hurstville is in a radio of 10 km. Therefore it is estimated that 20km return trip is the km travelled to attend the event</p> <p>For walk/bike the ratio estimated is only 1km</p> <p>It is estimated that the majority of the attendees travel by public transport as the location is just a few meters from Hurstville train station.</p>	<p>Km</p> <p>By train 35,000 * 20km : 700,000</p> <p>By bus: 5,000 * 20km:100,000</p> <p>By car: 625 * 20km: 12,500</p> <p>By walk: 4,500 * 1km: 4,500</p> <p>By bike: 500 * 1km: 1,000</p>
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Food	<p>30 Food stall holders (individual).</p> <p>Type of food offered (meat based/drinks, dairy, etc) based in the application and latest list.</p> <p>\$ expenditure based in report from https://spendmapp.com.au/</p> <p>It was considered only the following breakdown expenditure. A 20% extra was added it up in order to include cash expenditure that was not captured on these transactions:</p> <ul style="list-style-type: none"> Dining & Entertainment <p>Specialised Food Retailing</p>	
Waste	<p>Number and volume of skips , source from Clean Vibes</p> <p>Number and volume of Yellow bins</p> <p>240L recycling bins x 70</p> <p>240L General waste bins x 70</p> <p>1100L recycling bin x 10. This represent 46 240L wheelie bin</p> <p>** stallholders are expected to take away their own rubbish away</p> <p>All of this data is from Cleanvibes- D19/248048</p>	
Water use	<p>46 x water barricades- 2000L each - 92,000 L</p>	<p>This amount was included on top of the average usage of water per person.</p>

<p>Paper use</p>	<p>Supplier: Kwik Kopy, Flyers</p> <p>resident notification letters</p> <p>3,000 LNY programs (8 page A5 booklet) Kwik Kopy</p> <p>400 resident notification letters</p>	<p>Kg of paper (or \$ spent)</p> <p>Programs- \$3,471.00</p>
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6. Eligible offset units

6A. Offsets summary

Table 4. Offsets Summary						
Projects supported by offset purchase	Eligible offset units	Registry	Cancellation date	Serial numbers (including hyperlink to registry transaction record)	Vintage	Quantity
Natural Gas based grid connected power project at Peddapuram, A.P. by Gautami Power Limited	810	CDM Registry	11/12/19	<p>Start serial number: IN-5-252124581-2-2-0-4828</p> <p>End serial number: IN-5-252125390-2-2-0-4828</p> <p>https://offset.climateneutralnow.org/vchistory/Details/12301</p>	2013	810
Total offsets cancelled						810

6B. Offset projects (Co-benefits)

The project activity is a 469 MW Natural Gas fired, gas turbine based combined-cycle power plant. The project activity has been installed by GVK Gautami Power Ltd. (GPL) at Industrial Development Area, Peddapuram, near Samalkot in East Godavari district, Andhra Pradesh, India.

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The project activity is less emission intensive compared with the common coal-based power and average fuel mix in the grid. Thus, the project activity aims at reducing GHG emissions by use of a relatively lesser GHG intensive fuel, i.e. natural gas.

Social well-being:

- Industry – the proposed project is with an investment of 14.5 billion and will have a significant positive impact on the industrial growth in the region as well as in the country Infrastructure – the region around the proposed project site does not have very good infrastructural facilities. Near the project site, the facilities for public transport, water supply, telecommunication, education, public health etc. are inadequate. With the setting up of major industry like this, the region will naturally help directly and indirectly in the development of civil Infrastructure
- Employment – the proposed project activity has provided direct employment to about 525 persons during the construction and 140 during the normal operation. In addition, it is expected that up to 30 persons will be directly benefited through casual work, subcontracts, trading etc.
- The PP has also committed to utilize 2% of the CDM revenue towards socio-economic development (as per the plan given to NCDMA)⁵

Environmental well-being:

- The electricity generated by project activity will be supplied to Southern grid, which otherwise would have been generated by fossil fuels. Hence, the project activity will help in reduction of the greenhouse gases emission and other air pollutants (especially NOx and SO₂)
- The project activity helps in conservation of coal which at present are predominantly used for power generation.

Economic well being

- This project will demonstrate the use of new financial mechanism (CDM) in raising finance for power generation from relatively cleaner fuel in coal dominated economy.

Technological well being

- The project uses the best available technology in the form of combined cycle
- The space requirement per MW capacity is lower compared to the conventional coal fired power Plants.

7. Use of certification trade mark

Table 5. Trade mark register

Social media promotion (Facebook, LinkedIn)

Website

<https://www.georgesriver.nsw.gov.au/Community/Events/Council-Events/Lunar-New-Year>