

Carbon Footprint Summary

BOMA Canada - BOMEX 2023

carbonzero

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Overview



Event Details



Attendee Travel



Venue Utilities



Food



Waste



Conclusion





Event Details

BOMEX 2023

- Event Date
 - September 26 – 28, 2023
- Event Location
 - The JW Marriott Edmonton Ice District
- Number of Total Attendees
 - 517



The JW Marriott Ice District, Edmonton, AB



Attendee Travel & Hotel Stays



254.25 tCO₂e

- A total of **1,261,372 kms** travelled by BOMEX attendees
- Average travel emissions per attendee: **0.49 tCO₂e**
- A total of **1,147** Hotel Night Stays
- **Total emissions from Attendee Travel: 207.23 tCO₂e**
- **Total emissions from Hotel Stays: 47.03 tCO₂e**



Venue Utilities

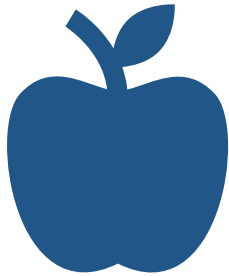


4.56 tCO₂e

- **Venue:** The JW Marriott Ice District, Edmonton, AB
- Utility emissions were estimated using Natural Resources Canada's Comprehensive Energy Use Database
- The event was estimated to have used **7,239 kWh** of Grid Electricity and **491 m³** of Natural Gas
- **79%** of emissions came from **Electricity** and **21%** from **Natural Gas**



Food



37.84 tCO₂e

- A total of **3,343 kg** of food consumed by attendees over 3 days
- Average food emissions per attendee: **0.1 tCO₂e**
- GHG emissions totals from food include those associated with land use, farming and animal feed, processing, transport, retail and packaging, and any food waste generated in the food's production.



Waste



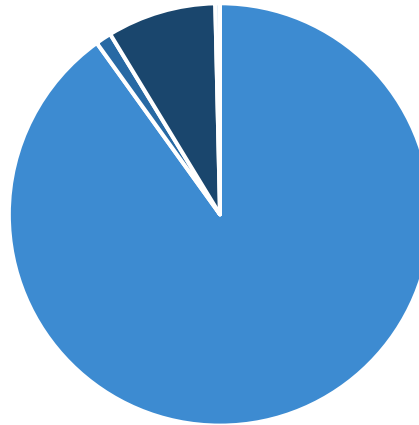
0.99 tCO₂e

- Waste streams at the event include:
 - Landfill Waste (90% of waste)
 - Paper Recycling (5% of waste)
 - Plastic Recycling (5% of waste)
- A total of **1,861.20 kg** of waste was estimated to be generated by attendees over 3 days
- Average waste emissions per attendee: **<0.01 tCO₂e**



Conclusion

The total GHG emissions associated with the event amounted to **297.65 tCO₂e**. Attendee Travel contributed most to the footprint (85%), followed by Food (13%), Venue Utilities (2%) and lastly, Waste and Recycling (<1%).



■ Attendee Travel & Hotels ■ Venue Utilities ■ Food ■ Waste

Activity Data & Emission Factors

Activity	Category	Activity Data	Activity Data Unit	Emission Factor	Emission Factor Unit
Travel	Economy Class – Short Haul	76,746.80	km	244.55	gCO ₂ e/p-km
	Economy Class – Medium Haul	1,092,572.60	km	150.26	gCO ₂ e/p-km
	Economy Class – Long Haul	42,197.00	km	147.13	gCO ₂ e/p-km
	Ground Travel – Car	48,630.00	km	207.61	gCO ₂ e/p-km
	Ground Travel – Bus	1,226.00	km	34.47	gCO ₂ e/p-km
Venue Utilities	Electricity	7,238.90	kWh	514.61	gCO ₂ e/kWh
	Natural Gas	491.28	m ³	1,972.31	gCO ₂ e/m ³
Waste	Landfill Waste	1,675.08	kg	0.57	kgCO ₂ e/kg
	Paper Recycling	93.06	kg	0.08	kgCO ₂ e/kg
	Plastic Recycling	93.06	kg	0.10	kgCO ₂ e/kg
Food	Reception	300.00	kg	1.67	kgCO ₂ e/kg
	Breakfasts	960.40	kg	3.75	kgCO ₂ e/kg
	Lunches	855.90	kg	2.64	kgCO ₂ e/kg
	Dinners	1,227.50	kg	11.69	kgCO ₂ e/kg