

GBBCA Environmental Performance Report¹

Year ending December 2019



	2015	2016	2017	2018	2019
Operations					
Passengers (millions)	2.70	2.67	2.56	2.51	2.46
Air traffic movements	41,923	42,535	37,562	36,236	35,382
Noise					
Delayed flights after 21:30 hours	472	497	479	548	536
% total flights over Belfast Lough	53%	52%	52%	51%	52%
Number of noise concerns	49	68	33	116	88
Number of individuals logging noise concerns	24	29	22	41	23
Energy					
Energy consumed (electricity & gas) MWh	7,632	7,604	7,261	7,281	7,052
Energy (electricity & gas) per passenger (kWh/pax)	2.83	2.85	2.84	2.90	2.87
Carbon²					
Purchased electricity & gas (all scopes ⁴) (TCO _{2e}) ^{3 5}	3,588	3,286	2,795	2,271	2,059
Purchased electricity & gas per passenger (kgCO _{2e})/pax)	1.33	1.23	1.09	0.90	0.84
Waste					
General waste produced ⁶ (tonnes)	287	314	298	308	295
General waste per passenger (kg/pax)	0.11	0.12	0.12	0.12	0.12
% general waste to landfill	50%	42%	6%	2%	3%
% general waste recycled / recovered	50%	58%	94%	98%	97%
Water					
Water consumed (m ³) ⁷	30,495	29,524	31,340	33,294	33,786
Water consumed per passenger (m ³ /pax)	0.011	0.011	0.012	0.013	0.014
Surface Access					
% GBBCA passengers using bus services ⁸	7.08%	7.17%	7.78%	7.97%	7.95%

Notes:

1. This report has been prepared on a voluntary basis by GBBCA and has not been externally verified.
2. For carbon footprint reporting, greenhouse gases emissions are expressed in terms of equivalent carbon dioxide (CO_{2e}).
3. Emissions of CO_{2e} for both electricity and natural gas for the years 2015-2019 have been calculated using the UK Government conversion factors for company reporting [online] Available at: <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>
4. All scopes includes emissions for Well to Tank (WTT) (emissions associated with extraction, refining and transportation of the raw fuel sources prior to their combustion) for both electricity and gas, and emissions for Transmission & Distribution (T&D) (emissions associated with grid losses i.e. the energy loss that occurs in getting the electricity from power plant to the organisations that purchase it) for electricity.
5. Emissions of CO_{2e} for purchased electricity are 'gross', therefore not considering emissions savings through the purchase of electricity from renewable sources which accounted for 100% of total electricity purchased by GBBCA from 2015-2019 (excl. Oct & Nov 2015).
6. Waste data excludes hazardous waste, Waste Electrical & Electronic Equipment (WEEE) and waste arising from construction projects.
7. Water data excludes water used for fire training purposes. Values based on actual meter readings.
8. Values based on passengers using Translink 600 service and Airporter service to/from GBBCA.