

GBBCA Environmental Performance Report Year ending December 2022



	2018	2019	2020	2021	2022
Operations					
Passengers (millions)	2.51	2.46	0.54	0.81	1.66
Air traffic movements	36,236	35,382	10,465	12,849	25,489
Noise					
Delayed flights after 21:30 hours	548	536	40	21	437
% total flights over Belfast Lough	51%	52%	52%	52%	52%
Number of noise concerns	116	88	4	63	55
Number of individuals lodging noise concerns	41	23	4	43	26
Energy					
Energy consumed (electricity & gas) MWh	7,281	7,052	5,842	5,748	6,049
Energy (electricity & gas) per passenger (kWh/pax)	2.90	2.87	10.75	7.07	3.65
Carbon Footprint¹					
Total scopes 1-3 (tonnes CO ₂ e) Location-based	2,733	2,420	1,696	1,658	1,737
Per passenger (kgCO ₂ e) Location-based	1.09	0.99	3.12	2.01	1.05
Total scopes 1-3 (tonnes CO ₂ e) Market-based	897	742	585	504	576
Per passenger (kgCO ₂ e) Market-based	0.36	0.30	1.08	0.62	0.35
Waste					
General waste produced ² (tonnes)	308	295	84	91	174
General waste per passenger (kg/pax)	0.12	0.12	0.15	0.11	0.11
% general waste to landfill	2%	3%	5%	5%	4%
% general waste recycled / recovered	98%	97%	95%	95%	96%
Water					
Water consumed (m ³) ³	33,294	33,786	14,727	16,638	31,935
Water consumed per passenger (m ³ /pax)	0.013	0.014	0.027	0.02	0.02
Surface Access					
% GBBCA passengers using bus services ⁴	7.97%	7.95%	11.53%	7.67%	7.45%

Notes:

- Carbon Footprint data includes emissions associated with consumption of energy and fuels, use of refrigerants, waste treatment and water use. Market-based data relates to use of 100% green source validated electricity. 2017-2019 data has been externally verified under the ACI EUROPE Airport Carbon Accreditation (ACA) programme. 2020-21 data has been produced internally (awaiting verification). Emissions are expressed in terms of equivalent carbon dioxide (CO₂e), calculated using the UK Government conversion factors for company reporting available at: <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>.
- Waste data excludes hazardous waste, Waste Electrical & Electronic Equipment (WEEE) and waste arising from construction projects.
- Water data excludes water used for fire training purposes. Values based on actual meter readings.
- Values based on passengers using Translink 600 service and Airporter service to/from GBBCA.