

GBBCA Environmental Performance Report Year ending December 2021



	2017	2018	2019	2020	2021
Operations					
Passengers (millions)	2.56	2.51	2.46	0.54	0.81
Air traffic movements	37,562	36,236	35,382	10,465	12,849
Noise					
Delayed flights after 21:30 hours	479	548	536	40	21
% total flights over Belfast Lough	52%	51%	52%	52%	52%
Number of noise concerns	33	116	88	4	63 ¹
Number of individuals lodging noise concerns	22	41	23	4	43
Energy					
Energy consumed (electricity & gas) MWh	7,261	7,281	7,052	5,842	5,748
Energy (electricity & gas) per passenger (kWh/pax)	2.84	2.90	2.87	10.75	7.07
Carbon Footprint²					
Total scopes 1-3 (tonnes CO ₂ e) Location-based	3,179	2,733	2,420	1,696	1,658
Per passenger (kgCO ₂ e) Location-based	1.24	1.09	0.99	3.12	2.01
Total scopes 1-3 (tonnes CO ₂ e) Market-based	783	897	742	585	504
Per passenger (kgCO ₂ e) Market-based	0.31	0.36	0.30	1.08	0.62
Waste					
General waste produced ³ (tonnes)	298	308	295	84	91
General waste per passenger (kg/pax)	0.12	0.12	0.12	0.15	0.11
% general waste to landfill	6%	2%	3%	5%	5%
% general waste recycled / recovered	94%	98%	97%	95%	95%
Water					
Water consumed (m ³) ⁴	31,340	33,294	33,786	14,727	16,638
Water consumed per passenger (m ³ /pax)	0.012	0.013	0.014	0.027	0.02
Surface Access					
% GBBCA passengers using bus services ⁵	7.78%	7.97%	7.95%	11.53%	7.67%

Notes:

1. Twenty (32%) of these concerns were lodged in July 2021 in relation to the same occurrence.
2. 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>.
3. Waste data excludes hazardous waste, Waste Electrical & Electronic Equipment (WEEE) and waste arising from construction projects.
4. Water data excludes water used for fire training purposes. Values based on actual meter readings.
5. Values based on passengers using Translink 600 service and Airporter service to/from GBBCA.