

# GBBCA Environmental Performance Report<sup>1</sup>

## Year ending December 2018



	2014	2015	2016	2017	2018
<b>Operations</b>					
Passengers (millions)	2.56	2.70	2.67	2.56	2.51
Air traffic movements	37,223	41,923	42,535	37,562	36,236
<b>Noise</b>					
Delayed flights after 21:30 hours	385	472	497	479	548
% total flights over Belfast Lough	54%	53%	52%	52%	51%
Number of noise concerns	91	49	68	33	116
Number of individuals logging noise concerns	38	24	29	22	41
<b>Energy</b>					
Energy consumed (electricity & gas) MWh	7,713	7,632	7,604	7,261	7,281
Energy (electricity & gas) per passenger (kWh/pax)	3.02	2.83	2.85	2.84	2.90
<b>Carbon<sup>2</sup></b>					
Purchased electricity & gas (all scopes <sup>4</sup> ) (TCO <sub>2e</sub> ) <sup>3 5</sup>	3,975	3,588	3,286	2,795	2,271
Purchased electricity & gas per passenger (kgCO <sub>2e</sub> )/pax)	1.55	1.33	1.23	1.09	0.90
<b>Waste</b>					
General waste produced <sup>6</sup> (tonnes)	290	287	314	298	308
General waste per passenger (kg/pax)	0.11	0.11	0.12	0.12	0.12
% general waste to landfill	66%	50%	42%	6%	2%
% general waste recycled / recovered	34%	50%	58%	94%	98%
<b>Water</b>					
Water consumed (m <sup>3</sup> ) <sup>7</sup>	30,003	30,495	29,524	31,340	33,294
Water consumed per passenger (m <sup>3</sup> /pax)	0.012	0.011	0.011	0.012	0.013
<b>Surface Access</b>					
% GBBCA passengers using bus services <sup>8</sup>	6.87%	7.08%	7.17%	7.78%	7.97%

### 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<sub>2e</sub>).
3. Emissions of CO<sub>2e</sub> for both electricity and natural gas for the years 2014-2018 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> [Accessed Feb 2019]
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<sub>2e</sub> 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 2014-2018 (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.
9. Values based on passengers using Translink 600 service and Airporter service to/from GBBCA.