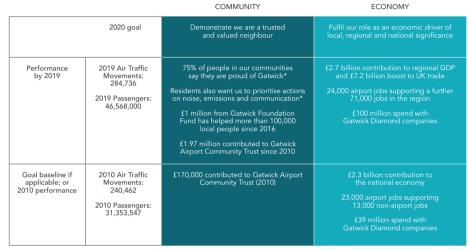
## Progress on our 2020 goals











## SURFACE ACCESS

	2020 goal	40% public transport mode share at 40 million passengers per annum; and 45% stretch target	20% reduction by 2020 in Airport electricity and gas use, against 1990 baseline 4 kWh per passenger benchmark
Performance by 2019	2019 Air Traffic Movements: 284,736 2019 Passengers: 46,568,000	47% Passengers 43% Airport staff	11% under 1990 baseline 211,906,999 kWh 4.55 kWh per passenger
Goal baseline if applicable; or 2010 performance	2010 Air Traffic Movements: 240,462 2010 Passengers: 31,353,547	40% of passengers using public transport (2010)	240,000,000 kWh (1990 baseline) 7.59 kWh per passenger

 $<sup>^{*}</sup>$  Independent assessment of community opinion in postcodes KT, CR, RH, BN, TN undertaken for GAL by Pepper Media in July-August 2019.







AIR QUALITY

Reduce the impact of operational noise	Improve air quality impacts using new technology, processes and systems	Reduce direct carbon emissions by 50% (scope 1 & 2 emissions against 1990 baseline)
98% Track-keeping conformance 90% Continuous Descent Approach compliance 62% of aircraft meet the highest ICAO noise standard (CAEP Chapter 14, applicable to new aircraft from 2017)	Annual mean readings at Gatwick LGW3:  NO <sub>2</sub> : 29 (µg/m³)  PM <sub>10</sub> : 14 (µg/m³)  30% of aircraft meet the highest ICAO standard for engine NOx (CAEP Chapter 8, applicable to new engines from 2014); and a further 64% meet CAEP Chapter 6	Scope 1 & 2 emissions 37,666 tCO₂e 54% ♥ under 1990 baseline Scope 3 emissions 696,628 tCO₂e, this includes aircraft landing and take-off cycle, passenger travel to the airport and staff commuting
97% Track-keeping conformance 90% Continuous Descent Approach compliance 98% of aircraft meet ICAO CAEP Chapter 4 noise standard applicable to new aircraft from 2001	Annual mean readings at Gatwick LGW3:  NO <sub>2</sub> : 37 (µg/m³)  PM <sub>10</sub> : 21 (µg/m³)  55% of aircraft meet ICAO CAEP 6 standard for engine NOx applicable to new engines from 2008	Scope 1 & 2 emissions 82,843.5 tCO, e (1990 baseline) and 95,606 tCO <sub>2</sub> e (2010) Scope 3 emissions 608,687 tCO <sub>2</sub> e (2010), this includes aircraft landing and take-off cycle, passenger travel to the airport and staff commuting







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WASTE	WATER	BIODIVERSITY
No untreated waste to landfill and 70% reuse/recycling rate by 2020 (Operational and commercial waste)	25% reduction* by 2020 in Airport water use, against 2010 baseline 15 litres per passenger benchmark	Have an award-winning biodiversity approach
71% reused/recycled 13,493 tonnes collected and processed Zero untreated waste to landfill	25.9% <b>↓</b> under 2010 baseline 721,336 m³ 15.5 litres per passenger	Retained Biodiversity Benchmark Award for 6th consecutive year 75 hectares of airport estate actively managed for biodiversity
41% recycling/reuse (2010)	974,067 m³ (2010 baseline) 31.07 litres per passenger	75 hectares of airport estate actively managed for biodiversity (2012)

<sup>\*</sup>The original Decade of Change target on water was 20% reduction by 2020; in 2017 this was stretched to 25% by 2020

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