

Carbon and energy data FY2022

Total greenhouse gas emissions

		Units	Baseline ¹	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21 ²	FY21 ²	FY22	FY22	Change	
												Location-based ³	Market-based	Location-based ³	Market-based	Prior Year %	Baseline %
Scope 1 Direct	Diesel, natural gas and refrigerant emissions⁴	tCO ₂ -e	-	-	-	-	-	433	518	569	477	465	465	351	351	(24%)	-
Scope 2 Indirect	Electricity emissions:																
	• corporate offices and data centres ⁵	tCO ₂ -e	49,632	46,499	42,389	41,699	38,876	36,322	34,191	30,726	28,371	22,581	20,883	15,741	-	(100%)	(100%)
	• base buildings ⁶	tCO ₂ -e	-	-	-	1,558	2,188	1,946	1,779	1,596	1,396	1,153	1,153	264	-	(100%)	-
	Total electricity emissions⁷	tCO₂-e	49,632	46,499	42,389	43,257	41,064	38,267	35,970	32,322	29,767	23,734	22,036	16,005	-	(100%)	(100%)
Scope 3 Indirect	Business travel emissions:																
	Air travel	tCO ₂ -e	78,018	63,334	48,870	41,954	40,721	36,674	40,277	55,724	44,405	524	524	10,064	10,064	-	-
	Ground transportation	tCO ₂ -e	-	-	-	-	-	-	-	-	-	-	-	263	263	-	-
	Hotels	tCO ₂ -e	-	-	-	-	-	-	-	-	-	-	-	1,220	1,220	-	-
	Food & beverages	tCO ₂ -e	-	-	-	-	-	-	-	-	-	-	-	2,340	2,340	-	-
	Total business travel emissions⁸	tCO₂-e	78,018	63,334	48,870	41,954	40,721	36,674	40,277	55,724	44,405	524	524	13,887	13,887	2,550%	(82%)
Total Indirect Emissions	Total scope 2 and scope 3	tCO₂-e	128,941¹	109,833	91,259	85,211	81,785	74,941	76,246	88,046	74,172	24,258	22,560	29,892	13,887	(38%)	(89%)
Total Emissions	Total scope 1, 2 and 3⁹	tCO₂-e	128,941¹	109,833	91,259	85,211	82,240	75,374	76,765	88,616	74,649	24,723	23,025	30,243	14,238	(38%)	-

Per capita emissions

		Units	Baseline ¹	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21 ²	FY21 ²	FY22	FY22	Change		
												Location-based ³	Market-based	Location-based ³	Market-based	Prior Year %	Baseline %	
Scope 2 Indirect	Electricity emissions per capita:																	
	• corporate offices and data centres ⁵	tCO ₂ -e per person	3.93	3.40	3.05	2.97	2.70	2.67	2.36	2.04	1.84	1.40	1.30	0.90	-	(100%)	(100%)	
	• base buildings ⁶	tCO ₂ -e per person	-	-	-	0.11	0.16	0.14	0.13	0.11	0.09	0.07	0.07	0.02	-	(100%)	-	
	Total electricity emissions per capita⁷	tCO₂-e per person	3.93	3.40	3.05	3.08	2.86	2.81	2.49	2.15	1.93	1.47	1.37	0.92	-	(100%)	(100%)	
Scope 3 Indirect	Total business travel emissions per capita⁸	tCO₂-e per person	5.34	4.64	3.51	2.99	2.83	2.70	2.78	3.70	2.88	0.03	0.03	0.79	0.79	2,333%	(85%)	

Energy consumption

		Units	Baseline ¹	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21 ²	FY22	Change	
												Location-based ³	Location-based ³	Prior Year %	Baseline %
Direct energy	Diesel & natural gas energy use ⁴	TJ	-	-	-	-	-	7	8	9	7	7	5	(26%)	(20%)
Indirect energy	Electricity use ⁷	TJ	237	243	231	228	215	208	201	194	187	156	148	(5%)	(38%)
Total energy	Total Macquarie energy use⁴	TJ	237	243	231	228	215	215	209	203	194	163	153	(6%)	(36%)

¹ Note that the baseline for Scope 2 electricity emissions is FY2009 while, due to data availability, the baseline for Scope 3 air travel emissions is FY2010. Total Scope 2 and Scope 3 emissions reductions are calculated based on a FY2010 baseline.

² Some numbers in this column have been revised from last year's Annual Report to reflect updated invoice data.

³ Location-based emissions include emissions based on electricity for which energy attribute certificates were purchased and which was not directly sourced from renewable sources through green tariffs. In FY2022, Macquarie has sourced the equivalent of 100% of our electricity consumption from renewable sources through a combination of green tariffs (43%) and energy attribute certificates (57%) which have been retired or will be retired by 30 June 2022.

⁴ Scope 1 emissions and associated energy use were not reported prior to FY2017.

⁵ Macquarie corporate offices and data centres are defined as:

- space leased by Macquarie operating entities that are also occupied by Macquarie staff and have a Net Usable Area greater than 100m²
- data centres where Macquarie Group has oversight of electricity usage and pays for this usage
- new space from business acquisitions from the month the acquisition is completed
- including Australian and international corporate offices.

⁶ Base building refers to the energy required to operate a building and excludes tenanted energy use. It includes the mechanical plant, lifts, and lighting in lobby and other common areas. Base building applies only where Macquarie owns and occupies the building, i.e. 50 Martin Place, Sydney.

⁷ Estimates make up a portion of energy consumption for FY2022 where no data is available (e.g. if invoices are yet to be received).

⁸ From FY2010 to FY2020, business travel emissions were limited to air travel. In FY2021, they included both air and rail travel. In FY2022, business travel emissions include air travel, hotels, ground transportation and food & beverages. Additionally, food & beverages relating to entertainment are included. In FY2022 the air travel emission calculation methodology has matured to be more comprehensive and now reflects the class of ticket flown (e.g. economy, business class).

⁹ Since 2010, Macquarie has maintained its carbon neutral commitment by reducing and offsetting emissions from its office energy use and business travel. In FY2022, to meet this commitment, Macquarie purchased and retired a diverse portfolio of voluntary carbon offsets.