



▷ 12

GREENING GGGI

In 2019, GGGI significantly reduced its carbon emission by continuing to drive an organization-wide cooperation for green operations. Throughout the year, various green office initiatives, awareness campaigns, and outreach activities were actively promoted by GGGI offices worldwide to achieve sustainable operations and continued to encourage individual greening efforts as well as engaging and influencing GGGI partners and communities to promote a green culture.

Key accomplishments for 2019 include the launch of [“Greening GGGI” webpage](#), which highlights GGGI’s greening efforts and initiatives throughout the years, and the Green Office Month, a month-long campaign in its third year with second edition of the online magazine [GREENISM](#), showcasing the World Environment Day event and organization-wide eco-competition, along with showcases of environmental sustainability efforts by GGGI offices across the globe. Many of GGGI country offices actively engaged with GGGI partners in countries, collaborating to promote

sustainability efforts. The Global Green Growth Week 2019 also showcased GGGI’s efforts to promote green culture by hosting a more environmentally sustainable event to be benchmarked by its partners.

[Air Travel and Facility Operations](#)

In 2019, GGGI continued its efforts to measure and reduce its carbon emissions. Using the Greenhouse Gas Protocol methodology, GGGI evaluated its carbon emissions from Air Travel and Facility Operations in offices worldwide.

2019 Carbon Emission Overview			2019	2018	2017	2016	2015	2014	2013
Air Travel	Total Carbon Emission from Air Travel (tCO ₂)		990	1,493	1,611	1,407	705	669	793
	Total Number of Flights		1,307	1,794	1,620	1,254	1,544	1,595	1,409
	Class of travel	PREMIUM	204	425	380	306	737	497	583
		ECONOMY	1,103	1,369	1,240	948	812	1,098	816
Facilities	Total Carbon Emission from Facilities (tCO ₂)		238	372	312	221	239	189	N/A
	Emission from Seoul HQ		73	249	208	206	168	149	N/A
	Emission from Songdo Office		36	36	37	15	71	40	N/A
	Emission from Country Offices		128	88	66	N/A	N/A	N/A	N/A
Total Carbon Emission (tCO ₂)			1,228	1,865	1,923	1,628	944	858	793
Total Number of Personnel			328	353	348	327	260	N/A	N/A
Total Carbon Emission Per Capita (tCO ₂) - Air Travel			3.02	4.23	4.63	4.30	2.71	N/A	N/A
Total Carbon Emission Per Capita (tCO ₂) - Facilities			0.72	1.05	0.90	0.68	0.92	N/A	N/A
Total Carbon Emission Per Capita (tCO ₂)			3.74	5.28	5.53	4.98	3.63	N/A	N/A

Share of Total Emissions	2019	2018	2017	2016	2015	2014	2013
Air Travel	81%	80%	84%	86%	75%	78%	100%
Facilities	19%	20%	16%	14%	25%	22%	0%
Other Travel	-	-	-	-	-	-	-

In 2019, GGGI emitted total of 1,228 tons of CO₂ (tCO₂), decreasing its total emission by 34.2% compared to the previous year. Air Travel and Facility Operations emissions stood at 990 and 238 tons, respectively. Air Travel emissions decreased 33.7% from the previous year primarily due to a significant decrease in the total number of flights undertaken by GGGI staff. Facilities' emissions also decreased 36.0%, with a significant drop (70.7%) in emissions at Seoul HQ,

contributing to GGGI's efforts to achieve a greener operation by creating a LEED certified office environment in 2018.

Per Capita Carbon Emissions

Compared to results from the UN Greening the Blue Report 2019, GGGI has achieved lower tCO₂ per personnel emission average than the average emission figures from other United Nations organizations in 2019.

Comparison with UN Entities	Per Capita Emissions (tCO ₂ /personnel)	Share of Total Emissions (%)		
		Air Travel	Facilities	Other Travel
GGGI (2019)	3.74	81%	19%	0%
UNFCCC (2019)	6.20	96%	1%	3%
UNOPS (2019)	4.10	45%	23%	33%
UNHQ (2019)	4.60	63%	2%	35%
World Bank (2019)	12.20	67%	2%	31%
UN System Overall (2019)	7.00	42%	12%	46%

Additional Efforts to Reduce

Since 2014, GGGI HQ has been measuring and monitoring its paper consumption. As indicated in the below graph, GGGI HQ continued to reduce its paper consumption each year, effectively reducing the annual consumption by 80.7% compared to when it first started measuring and began its efforts to reduce paper usage in 2014.

Looking Ahead

GGGI will practice what it preaches to become the greenest possible organization it can be. This includes, but is not limited to, targeting to become a zero-carbon organization by 2050 or earlier. As a significant milestone to this ambition GGGI targets to reduce its greenhouse gas emission per employee by 40% in 2030 over a 2015 baseline, both through targeting green office operations and lowering emissions caused by GGGI's travel.

Annual Paper Consumption at Seoul HQ

