

SUSTAINABILITY PERFORMANCE DATA
Key Environmental Performance Data



	Units	New World Group			NWD ⁽¹⁾			NWCL ⁽²⁾			NWSH ⁽³⁾			NWDS ⁽³⁾		
		FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2023	FY2023	FY2022
Scope 1 Emissions																
Total Scope 1 emissions	tonne of CO ₂ e	9,701	8,024	46,006	8,110	7,348	18,976	1,591	676	4,698			19,001			3,331
Construction ⁽⁴⁾ Scope 1 emissions	tonne of CO ₂ e	12	1,744			1,725		12	19							
Operational ⁽⁵⁾ Scope 1 emissions	tonne of CO ₂ e	9,689	6,280		8,110	5,623		1,579	657							
Scope 2 Emissions																
Total Scope 2 emissions	tonne of CO ₂ e	148,601	109,329	219,370	114,185	92,895	98,731	34,416	16,434	16,628			39,316			64,696
Construction ⁽⁴⁾ Scope 2 emissions	tonne of CO ₂ e	1,730	12,558			8,102		1,730	4,456							
Operational ⁽⁵⁾ Scope 2 emissions	tonne of CO ₂ e	146,871	96,771		114,185	84,793		32,686	11,978							
Total Scope 1 & 2 GHG Emissions																
Total Scope 1 & 2 GHG emissions	tonne of CO ₂ e	158,302	117,353	265,376	122,295	100,243	117,707	36,007	17,110	21,326			58,317			68,027

Notes:

PricewaterhouseCoopers has verified New World Group's total scope 1 emissions, total scope 2 emissions and total scope 1 & 2 GHG emissions for the year ended 30 June 2024. Please refer to the limited assurance report on our website for further details.
Calculation standards and methodologies for carbon emissions:

(i) Carbon emissions are calculated using:

- (a) "Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purposes) in Hong Kong" published by the Environmental Protection Department (EPD) and the Electrical and Mechanical Services Department (EMSD) of the Hong Kong Government.
- (b) GHG Protocol Corporate Accounting and Reporting Standard published by the World Business Council for Sustainable Development (WBCSD) and the World Resources Institute (WRI).

(ii) Carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O) and hydrofluorocarbons (HFCs) are included in greenhouse gas (GHG) calculations. Perfluorocarbons (PFCs), sulphur hexafluoride (SF₆), nitrogen trifluoride (NF₃) and bioogenic CO₂ emissions are not applicable.

(iii) The sources of emission factors for the reporting of carbon emissions are:

- (a) Sustainability reports of the local utility companies (for electricity and Towngas in Hong Kong).
- (b) "Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purposes) in Hong Kong" published by the EPD and the EMSD of the Hong Kong Government.
- (c) "The 2023 UK Government Greenhouse Gas Conversion factors for Company Reporting" published by the Department for Environment, Food and Rural Affairs (Defra) of the UK.

(1) Covered NWD and its project management, property/facilities management, corporate office operations, serviced apartments, healthcare, fashion businesses, private clubhouse operation, and food and beverage businesses. The construction business was disposed effective FY2023 and removed from environmental performance data from FY2024.

(2) Covered NWCL and its project management, property/facilities management, corporate office operations, construction, serviced apartments, and private clubhouse operation businesses.

(3) Following a comprehensive evaluation of our organisational boundary with reference to the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard ("GHG Protocol"), the sustainability performance data encompasses businesses over which the Group has operational control, effective from FY2023. The environmental performance data of NWSH and NWDS have been scoped out from the Group's environmental performance data, and the corresponding Scope 1 & 2 emissions data have been reclassified as the Group's Scope 3 Category 15 Investments. Due to the change in scope of boundary, the numbers reported from FY2023 are not directly comparable to those from previous years.

(4) Construction refers to the construction business of NWD and NWCL.

(5) Operational refers to operating assets & businesses (properties, corporate offices, healthcare centres, commercial stores, clubhouses, and food and beverage businesses) under NWD & NWCL's operational control.

SUSTAINABILITY PERFORMANCE DATA
Key Environmental Performance Data



Scope 3 Emissions					
Scope 3 Category	Units	Description	Methodology ⁽¹⁾ / Exclusion	Source of emission factor	FY2024
1 Purchased Goods And Services	tonne of CO ₂ e	Upstream emissions from extraction, production and transportation processes associated with New World Group's purchased goods and services	To be reported in the coming years when data availability is more mature.	N/A	N/A
2 Capital Goods	tonne of CO ₂ e	Upfront embodied carbon emissions of new properties developed by New World Group	Embodied carbon emissions of new construction projects that are constructed and developed by New World Group, where emissions are allocated to the year of project completion within the reporting period. Average-Data Method: With reference to past development projects in Hong Kong and GBT 51366-2019, carbon footprint for development projects are calculated by multiplying the average embodied carbon emission factor per built area for different development building types and the total built area of the completed development projects. Project-Specific Method: Taking into account the primary data from major construction materials suppliers and energy consumption data from construction sites, project-specific emissions for completed development projects are calculated from activity data (utility consumption/materials quantity) and third	• Past development projects portfolio in Hong Kong • GBT 51366-2019 Standard for Building Carbon Emission Calculation, National Standard of the People's Republic of China • Construction Industry Council Carbon Assessment Tool • Inventory of Carbon and Energy (ICE Database)	1,329,681
3 Fuel and Energy-related Activities	tonne of CO ₂ e	Emissions related to extraction, production and transportation from fuels and energy purchased by New World Group, not accounted for in Scope 1 & 2 emissions	Average-Data Method: Third party provided upstream emission (Well-to-tank, WTT) factors are applied to the primary data on amounts of electricity, gasoline, diesel, natural gas, and other fuels used by New World Group.	• The 2023 UK Government Greenhouse Gas Conversion factors for Company Reporting published by the Department for Environment, Food and Rural Affairs (Defra) of the UK • Life Cycle Upstream Emission Factors 2023 (Pilot Edition), published by the International Energy Agency	44,535
4 Upstream Transportation and Distribution	tonne of CO ₂ e	Emissions related to transportation and distribution of goods and services purchased by New World Group	Upstream transportation and distribution of goods and services have already been accounted for in New World Group's Scope 1 & 2 emissions and Scope 3 Category 2 Capital Goods emissions.	N/A	N/A
5 Waste Generated in Operations	tonne of CO ₂ e	Emissions from disposal and treatment of waste generated by New World Group	Waste-Type-Specific Method: Waste data is multiplied by corresponding emission factors for different waste types and different disposal/treatment methods to calculate emissions in this category.	• The 2024 UK Government Greenhouse Gas Conversion factors for Company Reporting published by the Department for Environment, Food and Rural Affairs (Defra) of the UK	1,682
6 Business Travel	tonne of CO ₂ e	Emissions from transportation of New World Group's employees for business-related activities	Distance-Based Method: Emissions in this category are calculated by the business travel distance ⁽²⁾ and the corresponding upstream emission (Well-to-tank, WTT) factors for different modes of business travel.	• The 2023 UK Government Greenhouse Gas Conversion factors for Company Reporting published by the Department for Environment, Food and Rural Affairs (Defra) of the UK	1,738
7 Employee Commuting	tonne of CO ₂ e	Emissions from transportation of New World Group's employees between their homes and their worksites	Average-Data Method: Emissions in this category are calculated based on New World Group's number of employees, publicly-available statistics on average commuting distance and breakdown of commuting modes used, working days and the corresponding upstream emission (Well-to-tank, WTT) factors for different modes of transportation. The number of New World Group employees adopted in the emissions in this category is referenced the Total Workforce Number as disclosed in Key Social Performance Data	• The 2023 UK Government Greenhouse Gas Conversion factors for Company Reporting published by the Department for Environment, Food and Rural Affairs (Defra) of the UK	2,943
8 Upstream Leased Assets	tonne of CO ₂ e	Emissions from operation of assets leased by New World Group	As a real estate developer, New World Group develops and manages properties which are leased to our tenants. The emissions of leased properties are identified as and included in our Scope 2 emissions.	N/A	N/A
9 Downstream Transportation and Distribution	tonne of CO ₂ e	Emissions from transportation and distribution of products sold in vehicles and facilities not owned or controlled by New World Group	New World Group's core business does not involve downstream transportation and distribution. No emissions from this category will be reported.	N/A	N/A
10 Processing of Sold Products	tonne of CO ₂ e	Emissions from processing of intermediate products sold by downstream companies, such as manufacturers, subsequent to sale by New World Group	As a real estate developer, New World Group develops and sells development properties. There are no manufactured products. No emissions from this category will be reported.	N/A	N/A
11 Use of Sold Products	tonne of CO ₂ e	Operational carbon emissions from the entire use stage within the building lifecycle of sold development properties (e.g. residential units, commercial/office buildings for sale) developed by New World Group	Average-Data Method: Emissions in the category are calculated based on Saleable Floor Area of contracted sales of sold properties, design / benchmark energy intensity of the sold development properties and the corresponding projected emission factors over a 60-year use phase. Benchmark energy intensity from CRREM 1.5°C pathway and the projected emission factors for corresponding building types are adopted in the emissions calculation in the category ⁽³⁾ .	• Hong Kong's Climate Action Plan 2050 • CRREM Global Decarbonisation Pathways	97,028
12 End-of-life Treatment of Sold Products	tonne of CO ₂ e	Emissions from waste disposal and treatment at the end of life stage of sold development properties (i.e. residential buildings, and commercial/office buildings) developed by New World Group	Average-Data Method: Area of the sold development properties is multiplied by the end of life carbon emission factor to calculate emissions in this category.	• "Comprehensive Evaluation of Carbon Emissions for the Development of High-Rise Residential Building", MDPJ Journal – Buildings 2018	5,193
13 Downstream Leased Assets	tonne of CO ₂ e	Emissions from operation of leased assets managed by New World Group and leased to other entities (i.e. tenants' operational electricity usage)	Asset-Specific Method - Hong Kong Portfolio: Aggregate data of metered electricity consumption from tenants are multiplied by respective grid emission factors to calculate emissions in this category. Asset-Specific Method - Mainland China Portfolio: Data of metered electricity consumption at individual tenant level are multiplied by national grid emission factor to calculate emissions in this category. Average-Data Method: When there are no actual data received from tenants, tenant emissions are calculated by subtracting the landlord emissions from the whole building emissions, where a local appropriate energy use benchmark (e.g. CRREM 1.5°C pathway) is utilized for performing these calculations ⁽⁴⁾ .	Hong Kong Portfolio: Sustainability reports of the local utility companies Mainland China Portfolio: "Notice on Doing a Good Job in 2023-2025 Reporting and Management of Greenhouse Gas Emissions of Power Generation Enterprises", the Ministry of Ecology and Environment of China 《關於做好2023—2025年發電企業溫室氣體排放報告管理有關工作的通知》，中國生態環境部	89,010
14 Franchises	tonne of CO ₂ e	Emissions from operation of New World Group's franchises	New World Group's core business does not involve any franchise businesses. No emissions from this category will be reported.	N/A	N/A
15 Investments	tonne of CO ₂ e	Emissions from operation of New World Group's investments	Investment-Specific: Scope 1 & 2 emission of NWDS multiplied by the Group's shareholding percentage. ⁽⁵⁾⁽⁶⁾	• Emission factors adopted by NWDS	48,548

Notes:
PricewaterhouseCoopers (PwC) has verified New World Group's Scope 3 emissions for categories 2, 3, 5, 6, and 11 for the year ended 30 June 2024. For category 2, PwC has only verified the emissions from a completed project in Hong Kong accounted for 96,817 tonne of CO₂e.
(1) Scope 3 emissions are calculated by using GHG Protocol Corporate Accounting and Reporting Standard published by the World Business Council for Sustainable Development (WBCSD) and the World Resources Institute (WRI).
(2) Total travel distances in different transportation modes recorded for each NWD staffs' business travel trips is used for the calculation.
(3) Saleable Floor Area of contracted sales of sold properties is used for the calculation. CRREM 1.5°C pathway's energy/GHG intensities and a 60-year use phase are applied to the emissions calculations.
(4) Whole Building Floor Area of leasable properties is used for the calculation. CRREM 1.5°C pathway's energy/GHG intensities are applied to the emissions calculations.
(5) Please refer to NWDS's sustainability reports for their Scope 1 & 2 emissions calculation details. These reports provide comprehensive information and specific data for Scope 1 & 2 emissions necessary for the calculation of Scope 3 Category 15 emissions.
(6) NWSH was moved to Scope 3 Category 15 Investments after a comprehensive review of the GHG Protocol Guidelines in FY2023. In FY2024, NWSH was sold and as such was removed for Scope 3 Category 15 Investment total emissions.

SUSTAINABILITY PERFORMANCE DATA
Key Environmental Performance Data



	Units	New World Group			NWD ⁽¹⁾			NWCL ⁽²⁾			NWSH ⁽³⁾			NWDS ⁽³⁾		
		FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022
Timber																
Timber	tonne	1,325	10,710	22,060		64	-	1,325	10,646	21,342			718			
Certified Wood (FSC/ PEFC/ SFI/ CSA) ⁽⁴⁾	%					100%										
Energy Consumption⁽⁵⁾																
Total Energy Consumption (direct + indirect)	GJ	1,298,321	1,021,650		1,042,506	909,320		255,814	112,330							
Direct Energy Consumption	GJ	177,824	144,458	709,551	149,538	133,856 ⁽⁶⁾	303,472	28,287	10,602	84,537			259,992		61,550	
Biodiesel	GJ	-	-	260,239	-	-	85,705	-	-	-			174,534		-	
Natural gas	GJ	169,565	112,245	311,075	149,185	108,424	174,036	20,380	3,821	77,792			-		59,247	
Gasoline	GJ	3,830	4,879	14,520	-	1,237	1,779	3,830	3,642	-			11,203		1,538	
Liquefied petroleum gas	GJ	2,757	1,722	2,982	-	-	22	2,757	1,722	2,452			508		-	
Diesel	GJ	1,672	25,612	120,734	353	24,195	41,930	1,320	1,417	4,293			73,748		764	
Indirect Energy Consumption	GJ	1,120,496	877,191	1,575,469	892,969	775,464	797,572	227,528	101,727	119,183			251,127		407,588	
Towngas	GJ	9,524	9,741	25,323	9,524	9,741	16,249	-	-	-			9,074		-	
Total Electricity	GJ	958,803	724,802	1,333,014	745,683	623,074	637,913	213,120	101,727	119,183			242,053		333,865	
Electricity - construction ⁽⁷⁾	GJ	10,922	102,400			74,787		10,922	27,613							
Electricity - operational ⁽⁸⁾	GJ	947,881	622,402		745,683	548,287		202,198	74,115							
District heating	GJ	6,174	-	73,723	-	-	-	6,174	-	-			-		73,723	
District cooling	GJ	145,995	142,649	143,409	137,761	142,649	143,409	8,234	-	-			-		-	
Energy Consumption (Renewable)																
On-site renewables produced and exported (for Feed-in-Tariff)	GJ	416	236	136	416	236	93	-	-	-			43		-	
Air Emissions⁽⁹⁾⁽⁹⁾																
Nitrogen Oxide (NOx)	tonne	0.57	0.01	2.71	-	-	0.14	0.57	0.01	-			2.55		0.02	
Sulphur Oxide (SOx)	tonne	0.00	0.01	0.01	-	0.01	0.00	0.00	0.00	-			0.01		0.00	
PM emissions	tonne	0.04	-	0.90	-	-	0.01	0.04	-	-			0.88		0.00	
Water Consumption⁽⁹⁾⁽¹⁰⁾																
Total municipal water withdrawal	cbm	1,985,367	1,859,395	4,900,878	1,085,367	1,005,274	1,691,384	900,001	854,121	1,618,089			991,156		600,248	
Municipal water withdrawal (construction) ⁽⁷⁾	cbm	161,885	636,049			119,664		161,885	516,385							
Municipal water withdrawal (operational) ⁽⁸⁾	cbm	1,823,482	1,223,346		1,085,367	885,610		738,115	337,736							
Waste																
Non-hazardous waste disposed of at landfills/incinerated	tonne	20,644	30,682	222,194	11,416	15,464	40,592	9,228	15,218	107,765			68,631		5,206	
Non-hazardous waste recycled or reused, including the below:	tonne	7,741	40,140	631,634	5,789	38,513	149,056	1,951	1,626	3,455			478,980		143	
Construction & demolition waste ⁽¹¹⁾	tonne	-	29,847	616,706		29,725	137,779	-	122	61			468,865		-	
Paper	tonne	494	336	474	303	313	112	190	23	106			113		142	
Plastics	tonne	14	143	46	2	1	37	12	142	8			1		-	
Metal	tonne	141	4,714	7,254	2	4,309	7,104	139	405	149			0		1	
Glass	tonne	20	17	41	18	16	27	1	1	13			2		-	
Food waste ⁽¹²⁾	tonne	6,794	4,927	7,114	5,185	3,994	3,996	1,608	932	3,118			-		-	
Others	tonne	279	156		278	156		0	0							
Non-hazardous waste diversion rate ⁽¹³⁾	%	27%	57%		34%	71%		17%	10%							
Hazardous waste ⁽¹⁴⁾	tonne	2.35	3.92	2.31	1.94	2.74	1.59	0.41	1.18	-			0.72		-	
Renewable Energy Roadmap⁽¹⁵⁾																
Renewable Energy Roadmap Progress	%	0%	0%													

Notes:
PricewaterhouseCoopers has verified New World Group's total direct energy consumption, total indirect energy consumption, total energy consumption (direct + indirect), on-site renewable energy produced and exported (for Feed-in-Tariff), total municipal water withdrawal, total non-hazardous waste (non-hazardous waste disposed of at landfills/incinerated + non-hazardous waste recycled or reused), total non-hazardous waste recycled or reused, non-hazardous waste diversion rate, total hazardous waste, Renewable Energy Roadmap progress for the year ended 30 June 2024. Please refer to the limited assurance report on our website for further details.

The factors for converting the base units of different fuel types to gigajoule (GJ) are available from the guidelines from the US Environmental Protection Agency and Department for Environment, Food and Rural Affairs (Defra) of the UK. Towngas also discloses its conversion factor on its corporate website. GJ can be converted to MWh using conversion base of 1MWh = 3.6 GJ.

(1) Covered NWD and its project management, property/facilities management, corporate office operations, serviced apartments, healthcare, fashion businesses, private clubhouse operation, and food and beverage businesses. The construction business was disposed effective FY2023 and removed from environmental performance data from FY2024.

(2) Covered NWCL and its project management, property/facilities management, corporate office operations, construction, serviced apartments, and private clubhouse operation businesses.

(3) Following a comprehensive evaluation of our organisational boundary with reference to the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard ("GHG Protocol"), the sustainability performance data encompasses businesses over which the Group has operational control, effective from FY2023. The environmental performance data of NWSH and NWDS have been scoped out from the Group's environmental performance data, and the corresponding Scope 1 & 2 emissions data have been reclassified as the Group's Scope 3 Category 15 Investments. Due to the change in scope of boundary, the numbers reported from FY2023 are not directly comparable to those from previous years.

(4) We are currently working on the data collection process for NWCL's certified wood percentage, we target to disclose the data in the future.

(5) The significant reductions of New World Group's direct and indirect energy consumption, air emissions, water consumption and waste from FY2022 to FY2023 are due to reclassification of NWSH and NWDS and hence out of scope from New World Group starting FY2023, the reason is outlined in Note (3).

(6) The significant reduction of NWD's direct energy consumption is mainly due to the change in reporting boundary in FY2023, the reason is outlined in Note (3).

(7) Construction refers to the construction businesses of NWD and NWCL.

(8) Operational refers to operating assets & businesses (properties, corporate offices, healthcare centres, commercial stores, clubhouses, and food and beverage businesses) under NWD & NWCL's operational control.

(9) Air Emissions include gaseous fuel consumption (i.e. LPG, Unleaded Petrol) by vehicles and stationary equipment on construction sites that are entirely owned and operated by the Group, excluding any vehicles and vessels operated by our service providers.

(10) Municipal water refers to fresh/potable water.

(11) Construction and demolition waste includes non-excavated construction and demolition waste except materials sent to public fill and government sorting facilities.

(12) Food waste includes general food waste and cooking oils.

(13) Non-hazardous waste diversion rate is calculated by non-hazardous waste recycled or reused over total non-hazardous waste.

(14) Hazardous waste are collected by licensed waste collectors.

(15) The Renewable Energy Roadmap discloses the Group's commitment in adopting 100% renewable energy within our Greater Bay Area investment property portfolio by FY2026, covering rental properties under the Group's direct operational control. Please refer to the Renewable Energy Roadmap on our website for further details.

	New World Group ⁽¹⁾			NWD ⁽²⁾			NWCL			NWSH			NWDS		
	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022	FY2024	FY2023	FY2022
Board Diversity															
Board members	Total 17														
	Male 11 65%														
	Female 6 35%														
Total Workforce⁽³⁾	Total number 6,992														
	Under 30 years old 1,129 16%														
	30 - 50 years old 4,834 69%														
	Over 50 years old 1,029 15%														
By age group	Male 3,349 48%														
	Female 3,643 52%														
By gender	Hong Kong 2,139 31%														
	Mainland China 4,853 69%														
	Others 0 0%														
By region	Total 6,843 98%														
	Male 3,300 48%														
	Female 3,546 52%														
By employment contract	Permanent 1,998 29%														
	Mainland China 4,848 71%														
	Others 0 0%														
	Total 146 2%														
	Male 49 34%														
	Female 97 66%														
Temporary/ Fixed term	Hong Kong 141 97%														
	Mainland China 5 3%														
	Others 0 0%														
By employment type	Full-time 6,889 99%														
	Male 3,321 48%														
	Female 3,568 52%														
	Hong Kong 2,040 30%														
	Mainland China 4,849 70%														
	Others 0 0%														
	Total 103 1%														
	Male 28 27%														
	Female 75 73%														
Part-time	Hong Kong 99 96%														
	Mainland China 4 4%														
	Others 0 0%														
Operational Employee	Total 3,027 43%														
	Male 1,562 52%														
	Female 1,465 48%														
	Under 30 years old 653 22%														
	30 - 50 years old 1,927 64%														
	Over 50 years old 447 15%														
General Employee	Total 1,760 25%														
	Male 676 38%														
	Female 1,084 62%														
	Under 30 years old 420 24%														
	30 - 50 years old 1,153 66%														
	Over 50 years old 187 11%														
Assistant Manager	Total 765 11%														
	Male 331 43%														
	Female 434 57%														
	Under 30 years old 55 7%														
	30 - 50 years old 651 85%														
	Over 50 years old 59 8%														
Manager	Total 600 9%														
	Male 301 50%														
	Female 299 50%														
	Under 30 years old 17 3%														
	30 - 50 years old 509 85%														
	Over 50 years old 74 12%														
Senior Manager	Total 555 8%														
	Male 306 55%														
	Female 249 45%														
	Under 30 years old 0 0%														
	30 - 50 years old 418 75%														
	Over 50 years old 137 25%														
Assistant General Manager	Total 167 2%														
	Male 88 53%														
	Female 79 47%														
	Under 30 years old 9 5%														
	30 - 50 years old 98 59%														
	Over 50 years old 60 36%														
General Manager	Total 72 1%														
	Male 46 64%														
	Female 26 36%														
	Under 30 years old 0 0%														
	30 - 50 years old 36 50%														
	Over 50 years old 36 50%														
Above General Manager	Total 46 1%														
	Male 32 70%														
	Female 14 30%														
	Under 30 years old 0 0%														
	30 - 50 years old 16 35%														
	Over 50 years old 30 65%														
By nationality	PRC Chinese 4,896 70%														
	HK SAR Chinese 2,005 29%														
	British 35 1%														
	Others 56 1%														

