

SUSTAINABILITY PERFORMANCE DATA  
Key Environmental Performance Data



	Units	New World Group <sup>(1)</sup>			NWD <sup>(2)</sup>			NWCL			NWSH <sup>(1)</sup>			NWDS		
		FY2021	FY2020	FY2019	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019
<b>Construction Materials</b>																
Timber (renewable materials)	tonne	11,695	43,353	20,720	0	0	0	11,041	42,749	20,230	654	604	490			
Bricks	tonne	33,453	34,059	15,232	23,515	9,140	3,091	34	4,680	11,019	9,904	20,239	1,122			
Cement	tonne	50,138	45,563	4,827	4,106	3,610	2,012	42,496	36,568	718	3,536	5,385	2,097			
Cement mortar	tonne	17,139	9,493	45,211	1,065	609	486	1,366	8,322	43,213	14,708	562	1,512			
Concrete	tonne	1,758,796	2,485,971	967,647	722,216	477,761	217,067	429,936	183,194	152,115	606,644	1,825,016	598,465			
Reinforcing steel bars (steel-used)	tonne	312,640	244,598	100,361	110,448	66,818	22,580	50,896	26,418	24,638	151,296	151,362	53,142			
Sand	tonne	20,933	13,539	287,392	11,156	4,645	3,952	3,402	3,392	276,000	6,375	5,502	7,440			
Stones	tonne	34,869	31,941	79,177	0	0	0	66	4,595	3,566	34,803	27,346	75,611			
<b>Energy Consumption</b>																
<b>Direct Energy Consumption</b>																
Biodiesel	GJ <sup>(3)</sup>	600,383	482,685	464,925	141,601	125,063	80,984	44,190	17,036	24,586 <sup>(4)</sup>	334,041	262,345	264,311	80,552	78,241	95,044 <sup>(5)</sup>
Natural gas	GJ	288,678	275,668 <sup>(6)</sup>	199,808	16,049	57,777	0	0	0	0	272,629	217,891	199,808	0	0	0
Gasoline	GJ	147,007	147,060	175,411	62,137	62,137	65,677	7,075	9,575	18,139	0	0	0	77,794	75,348	91,596
Liquefied petroleum gas	GJ	20,085	20,123	20,307	2,227	2,227	2,026	3,883	4,357	4,921	12,132	11,735	10,989	1,842	1,803	2,371
Diesel	GJ	2,519	2,550	1,671	73	73	94	2,107	2,007	1,041	339	470	536	0	0	0
Indirect Energy Consumption	GJ	142,094	37,284	67,727	61,114	2,848	13,187	31,125	1,097	485	48,940	32,249	52,978	915	1,090	1,077
Electricity	GJ	1,751,191	1,645,330	1,905,584	785,862	569,273	743,811	240,837	245,634	173,392 <sup>(4)</sup>	232,154	282,848	380,099	492,338	547,575	608,282 <sup>(5)</sup>
Towngas	GJ	1,455,954	1,514,785	1,637,842	608,610	555,692	572,333	190,511	189,250	149,539 <sup>(4)</sup>	224,610	269,431	357,132	432,223	500,412	558,837
District heating	GJ	35,953	26,998	37,880	28,410	13,581	14,913				7,543	13,417	22,967			
District cooling	GJ	110,659	103,547	73,297	217			50,326	56,384	23,853				60,116	47,163	49,444 <sup>(5)</sup>
Renewables produced and consumed	GJ	208,741	0	156,565	148,625	0	156,565									
Renewables produced and exported (for Feed-in-Tariff)	GJ	6	8	6	6	8	6	0	0							
	GJ	195	15	0	149						46	15	0			
<b>Air Emissions</b>																
Nitrogen Oxide (NOx)	tonne	3.04	3.76	0.23	0.36	0.25	0.23				2.66	3.46	0.00	0.03	0.04	
Sulphur Oxide (SOx)	tonne	0.01	0.01	0.00	0.00	0.00	0.00				0.01	0.01	0.00	0.00	0.00	
PM emissions	tonne	0.92	0.89	0.02	0.03	0.02	0.02				0.89	0.87	0.00	0.00	0.00	
<b>Greenhouse Gas (GHG) Emissions <sup>(7)</sup></b>																
Total GHG emissions	tonne of CO <sub>2</sub> e	297,696	320,294	337,769	117,221	109,697	106,247	35,066	39,663	30,553 <sup>(4)</sup>	58,592	70,779	89,120	86,816	100,154	111,850 <sup>(8)</sup>
Scope 1 emissions (including refrigerants)	tonne of CO <sub>2</sub> e	42,426	35,471	32,310	10,540	10,543	5,366	3,159	1,048	1,407	24,257	19,565	20,395	4,471	4,314	5,142
Scope 2 emissions	tonne of CO <sub>2</sub> e	255,269	284,823	305,459	106,682	99,154	100,881	31,907	38,615	29,146 <sup>(4)</sup>	34,335	51,214	68,724	82,346	95,840	106,708 <sup>(8)</sup>
<b>Water Consumption</b>																
Municipal water used	cbm	5,085,533	5,522,213	4,501,987	1,693,301	1,630,872	1,206,523	1,545,040	2,015,148	1,198,676 <sup>(4)</sup>	1,231,519	1,097,070	1,097,058	616,573 <sup>(9)</sup>	779,123 <sup>(9)</sup>	999,730
<b>Waste</b>																
Non-hazardous waste disposed of at landfills/incinerated	tonne	135,364	237,090	183,317	18,103	28,360	18,304	64,046	138,503	62,506 <sup>(4)</sup>	42,291	60,955	92,263	10,925	9,271	10,245 <sup>(10)</sup>
Non-hazardous waste recycled or reused, including the below:	tonne	1,055,639	1,235,040	727,513	224,300	114,457	30,997	2,535	1,243	353	828,106	1,119,083	695,828	697	257	335
Construction & demolition waste	tonne	1,037,896	1,230,597 <sup>(11)</sup>	725,384	209,897	111,741	29,843	0	13	28	827,998	1,118,843	695,513	0	0	0
Paper	tonne	186	354	417	83	123	149	22	18	10	81	212	259	0	0	0
Cardboard	tonne	775	346	362	0	1	0	78	90	28	0	0	0	697	255	334
Plastics	tonne	34	21	22	26	8	13	8	11	7	0	1	0	0	0	
Aluminium	tonne	3	8	11	2	7	10	1	1	0	0	1	1	0	0	
Scrap metal	tonne	10,601	2,396	988	10,440	2,353	923	161	41	64	0	0	0	0	2	1
Glass	tonne	21	36	44	8	7	8	12	12	1	1	16	35	0	0	0
Food waste	tonne	5,574	1,275	272	3,296	214	48	2,253	1,057	215	25	4	9	0	0	0
Cooking oil	tonne	550	7	12	549	3	3	0	0	0	1	4	9	0	0	0
Hazardous waste	tonne	3	18	17	2	10	2 <sup>(4)</sup>	0	2	0	1	6	15	0	0	0

Notes:  
(1) Figures for FY2020 and FY2019 are restated due to disposal of NWSH transportation businesses, New World First Bus (NWFB) and New World Citybus (NWCBC): 100% disposed of on 21 August 2020 (FY2021); and New World First Ferry (NWFF): 60% disposed of on 4 May 2020 and 100% fully disposed of in FY2021.  
(2) Covers NWD and its project management, property/facilities management, investment and selected hospitality and food and beverage businesses.  
(3) The factors for converting the base units of different fuel types to gigajoule (GJ) are available per the guidelines from the US Environmental Protection Agency. Towngas also discloses its conversion factor on its corporate website. GJ can be converted to MWh using conversion base of 1MWh = 3.6 GJ).  
(4) Data were adjusted in FY2020 to reflect the actual consumption and/or associated emissions.  
(5) Restatement: NWDS' district heating figure for FY2019 was revised in FY2020 to exclude Yanjiao Store's hot water - onsite generation (i.e.heating from public infrastructure/equipment) data, which were mistaken for district heating data.  
(6) The increase of biodiesel since FY2020 is due to the higher biodiesel consumption by Kai Tak projects and Hip Hing.

(7) Calculated with reference to "Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purposes) in Hong Kong" by EPD and EMSD of the HKSAR Government.  
(8) NWDS revised data in FY2020 to include district heating in Scope 2 emissions.  
(9) NWDS' decrease in water consumption since FY2019 is mainly due to temporary closure of some of the department stores, shortening of department store business hours and restricted business for F&B tenants during COVID-19.  
(10) Restatement: NWDS' non-hazardous waste disposed of at landfills or incinerated for FY2019 was revised in FY2020 to rectify the following:  
(a) Shanghai Shaanxi Road Branch Store's refuse management fee mistaken for food waste; and  
(b) Shanghai Tianshan Road Branch Store's refuse management fee mistaken for plastic waste.  
(11) A considerable increase in construction & demolition waste was recorded in FY2020 due to the commencement of more construction projects.



**SUSTAINABILITY PERFORMANCE DATA**  
Key Social Performance Data



	New World Group <sup>(1) (2)</sup>			NWD <sup>(3)</sup>			NWCL			NWSH <sup>(2)</sup>			NWDS		
	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019	FY2021	FY2020	FY2019
<b>Average Training Hours per Employee <sup>(7)</sup></b>															
All Employees	19.6	20.4	13.9	19.8	20.8	10.0	22.2	14.1	16.6	12.7	10.4	12.2	25.5	44.9	3.3
Male	19.0	19.9	14.0	23.9	22.5	10.3	24.2	14.9	16.8	10.7	10.4	11.3	23.5	44.5	2.9
Female	20.4	20.9	13.7	16.9	19.3	9.8	19.7	13.1	16.4	17.0	10.5	14.3	27.3	45.3	3.7
Management <sup>(8)</sup>	24.6	19.2	15.9	20.1	12.0	11.1	15.5	20.7	23.7	24.2	10.1	13.4	36.4	40.3	6.8
Non-management <sup>(8)</sup>	18.4	20.6	13.3	19.3	34.7	8.7	23.8	12.7	15.2	10.5	10.4	12.0	23.8	45.6	2.1
Operational Employee	20.0	24.0	13.8	0.0	0.0	0.0	72.1	37.9	25.1	7.0	9.5	11.3	27.5	45.7	1.9
General Employee	16.1	16.5	12.8	19.3	34.7	8.8	5.8	5.2	12.4	30.2	15.9	16.9	20.7	45.5	3.1
Assistant Manager	29.7	20.2	16.3	21.5	14.0	13.7	32.4	34.5	41.9	26.9	11.1	19.4	36.3	43.0	4.8
Manager	22.9	19.3	14.1	25.3	17.3	9.1	11.3	13.3	16.4	21.9	9.7	10.3	37.4	45.9	10.3
Senior Manager	25.4	23.4	22.6	21.7	9.4	15.6	31.8	52.4	35.0	23.7	9.4	7.7	37.2	45.3	
Assistant General Manager and above	17.3	14.0	13.4	13.2	6.7	9.1	7.4	15.1	13.7	24.1	9.8	12.5	34.3	22.8	9.3

**Notes:**

- (1) In addition to the major business units i.e. NWD, NWCL, NWSH and NWDS, the data of the Group's project management, property/facilities management, investment, selected hospitality and food and beverage businesses are covered.
- (2) Figures for FY2020 and FY2019 are restated due to disposal of NWSH transportation businesses. New World First Bus (NWFB) and New World Citybus (NWCB): 100% disposed of on 21 August 2020 (FY2021); and New World First Ferry (NWFF): 60% disposed of on 4 May 2020 and 100% fully disposed of in FY2021.
- (3) Only data of the NWD's head office is covered, data from other operations is covered in the overall New World Group data.
- (4) The employee data reported are captured through an established human resources system and there are no significant seasonal variations in the number of employee reported. The organisation's activities are mainly performed by our own employee.
- (5) Boundary of the data reported are in line with the reporting scope of the Corporate Sustainability section of NWD's Annual Report.
- (6) High-consequence work-related injuries (excluding fatalities): work-related injury that results in an injury from which the worker cannot, does not, or is not expected to recover fully to pre-injury health status within 6 months.
- (7) Average training hours per employee for NWDS was increased significantly due to online training since FY2020.
- (8) Management includes Assistant Manager, Manager, Senior Manager, and Assistant General Manager and above. Non-management employee includes Operational Employee and General Employee only.