

ENVIRONMENTAL DATA SUMMARY

INTRODUCTION

The environmental data summary discloses the environmental performance of businesses under Ayala Land's operations in support of our sustainability reporting suite. It should be read in conjunction with:

- <u>2023 Integrated Report</u> Ayala Land's Integrated Report prepared in accordance with the International Integrated Reporting <IR> framework using supplemental guidelines from the Global Reporting Initiative (GRI) Standards, Sustainability Accounting Standards Board (SASB), and Task Force on Climate-related Financial Disclosures (TCFD).
- <u>Disclosures on Management Approach</u> Descriptions of how we manage and respond to material economic, environmental and social issues.
- <u>Four Focus Areas</u> List and descriptions of economic, environmental and social issues that are material to Ayala Land.
- <u>Sustainability Reporting Index</u> Index tables relating to the 2023 Integrated Report and 2023
 Sustainability Data Packs with the GRI Standards, SASB Standards and TCFD

 Recommendations.

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BOUNDARY AND METHODOLOGY

The data summary encompasses environmental data from various businesses under Ayala Land's operational control for each calendar period. In line with the GHG (Greenhouse Gas) Protocol Corporate Accounting and Reporting Standard, Ayala Land has operational control of a property if it has the full authority to introduce and implement its operating policies for the property. The table below provides an explanation on the methodology of accounting the environmental data of each business unit.

| Property | Energy and Emissions |
|---------------------------|---|
| Malls and Offices | Energy consumption within the organization: Electricity consumption from common areas and fuel consumption from generator sets and service vehicles. |
| | Energy consumption outside the organization: Electricity and fuel consumption from leased |
| | areas. |
| | Emissions per scope: |
| | Scope 1: Fuel consumption and refrigerants |
| | Scope 2: Electricity consumption from common areas |
| | Scope 3: Electricity and fuel consumption from leased areas |
| Hotels and | Energy consumption within the organization: Electricity consumption from the property |
| Resorts | and fuel consumption from generator sets, kitchen area and service vehicles. |
| | Energy consumption outside the organization: Electricity and fuel consumption from |
| | locators and long-term leases for hotels. |
| | Emissions per scope: |
| | Scope 1: Fuel consumption and refrigerants |
| | Scope 2: Electricity consumption |
| 5 11 11 | Scope 3: Electricity and fuel consumption from locators and long-term leases. |
| Residential Properties | Energy consumption outside the organization: Electricity consumption from common areas of residential projects and excludes consumption within individual units. |
| | Scope 3 emissions not yet reported; to be reported under "Use of Sold Products" |
| | category starting 2022. |
| Construction Projects | Energy consumption within the organization: Electricity consumption from construction sites and fuel consumption from construction stationary and mobile equipment. |
| | Emissions per scope: |
| | Scope 1: Fuel consumption |
| | Scope 2: Electricity consumption |
| Estates and Carparks | Energy consumption within the organization: Electricity consumption from the properties and fuel consumption of generator sets. |
| | Emissions per scope: |
| | Scope 1: Fuel consumption |
| | Scope 2: Electricity consumption |
| District Cooling | Energy consumption within the organization: Fuel consumption and electricity |
| Systems | consumption of the district cooling system |
| | Emissions per scope: |
| | Scope 1: Fuel and refrigerant consumption |
| | Scope 2: Electricity consumption |
| Airline | Energy consumption within the organization: Electricity consumption of airline operations and fuel consumption from airline fleets. |

Emissions per scope:

Scope 1: Fuel consumption
Scope 2: Electricity consumption

Industrial Parks
Warehouses

Energy consumption within the organization: Electricity consumption from common areas of industrial parks and warehouses under ALLHC.

Energy consumption outside the organization: Electricity consumption from leased areas of industrial parks and warehouses under ALLHC.

Emissions per scope:
Scope 1: Fuel consumption
Scope 2: Electricity consumption from common areas
Scope 3: Electricity consumption from leased areas

Boundary of Environmental Data

| No. of Buildings/Projects Covered | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|------|
| Commercial Properties | | | | | | |
| Malls | 39 | 42 | 45 | 45 | 46 | 47 |
| Offices | 36 | 43 | 50 | 50 | 49 | 49 |
| Hotels | 10 | 14 | 15 | 15 | 16 | 17 |
| Resorts | 10 | 10 | 10 | 10 | 10 | 8 |
| District Cooling Systems | 7 | 11 | 12 | 12 | 12 | 12 |
| Construction Projects ¹ | 248 | 273 | 129 | 129 | 158 | 190 |
| Residential | 135 | 149 | 143 | 160 | 160 | 184 |
| Estates and Carparks | | | | | | |
| Estates | 20 | 22 | 23 | 30 | 30 | 31 |
| Carparks | 27 | 27 | 27 | 24 | 24 | 24 |
| Airline ² | - | 4 | 4 | 4 | 4 | 4 |
| Industrial Parks & Warehouses ³ | - | - | 3 | 3 | 3 | 12 |

¹ Covers construction projects, precast plants, and equipment yards of MDC.

² AirSWIFT operations added starting 2019.

³ Operations of industrial parks and warehouses under ALLHC added starting 2020.

ENERGY

This section details energy consumption across Ayala Land's businesses which are sources of greenhouse gas (GHG) emissions under Scope 1, 2 and 3.

Total Energy Consumption⁴

| Total Elicity consumption | | | | | | |
|---------------------------------------|---------|-----------|---------|---------|-----------|-----------|
| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Within the Organization ⁵ | 488,935 | 545,416 | 410,865 | 437,879 | 605,477 | 659,868 |
| Commercial Properties ⁶ | 293,338 | 346,781 | 249,266 | 240,788 | 417,142 | 356,420 |
| District Cooling Systems ⁷ | 71,276 | 81,763 | 61,444 | 47,012 | 143 | 62,322 |
| Construction Projects | 117,647 | 50,777 | 63,876 | 107,493 | 124,383 | 156,470 |
| Estates and Carparks | 6,673 | 7,400 | 12,280 | 14,071 | 5,855 | 8,249 |
| Airlines | - | 58,696 | 23,448 | 27,699 | 56,876 | 75,259 |
| Industrial Parks ⁸ | - | - | 551 | 817 | 1,079 | 1,149 |
| Outside the Organization ⁹ | 490,757 | 520,980 | 454,832 | 532,243 | 634,659 | 695,716 |
| Commercial Properties | 451,469 | 462,873 | 378,308 | 371,637 | 526,311 | 461,178 |
| Estates and Carparks | - | - | - | - | - | 2,866 |
| Residential Properties | 32,615 | 58,107 | 75,683 | 155,328 | 100,812 | 222,163 |
| Industrial Parks & Warehouses | - | - | 840 | 5,278 | 7,536 | 9,509 |
| Total | 973,019 | 1,066,397 | 865,697 | 970,122 | 1,240,136 | 1,355,584 |

Total Renewable Energy Consumption¹⁰

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|---------|---------|---------|---------|---------|---------|
| Within the Organization | 82,259 | 115,048 | 189,032 | 198,482 | 321,973 | 334,746 |
| Outside the Organization ¹¹ | 116,471 | 198,119 | 252,329 | 279,948 | 350,510 | 415,525 |
| Total | 198,730 | 313,167 | 441,362 | 478,430 | 672,483 | 750,271 |

Energy Mix - Within the Organization

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------------------------|------|------|------|------|------|------|
| Electricity (Renewable) | 17% | 21% | 43% | 45% | 53% | 51% |
| Electricity (Non-Renewable) | 58% | 54% | 37% | 26% | 16% | 12% |
| Fuel | 25% | 25% | 20% | 28% | 31% | 37% |

⁴ Total energy consumption from electricity and fuel use. Operations of AirSWIFT and ALLHC's industrial parks added starting 2019 and 2020 respectively.

⁵ Consumption within the organization comprises consumption within areas where ALI has operational control.

⁶ Includes Malls, Offices, Hotels, and Resorts.

⁷ From 2020 to 2022 electricity consumption of district cooling systems was reported under commercial properties (malls, offices, hotels) where it is located. Consumption of non-ALI properties has been declared under Scope 3 or outside the organization. The share of electricity consumption has been estimated based on BTU consumption. 2023 electricity consumption is separated for the district cooling system.

 $^{^8}$ Electricity consumption from ALLHC's industrial parks was added starting in 2020. Fuel consumption was added starting 2021.

⁹ Consumption outside the organization comprises consumption within (1) leased areas for commercial properties and industrial parks, and residential properties that have been turned over. No data is available for consumption within non-Ayala Land properties located in our estates.

¹⁰ Commercial buildings – malls, offices and hotels – that are contestable (defined as meeting the minimum 500 kW demand per month) are able to purchase electricity from renewable sources through our retail electricity suppliers that secure power purchase agreements with renewable energy providers. Renewable energy sources include geothermal, wind and solar.

¹¹ By securing power purchase agreements for malls and offices, our merchants and tenants are also able to consume renewable energy in their leased areas.

Electricity

We collect electricity consumption data monthly. For properties and projects with unavailable data, consumption was estimated based on the previous months or year's data.

Electricity Consumption Within the Organization

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|---------|---------|---------|---------|---------|---------|
| Commercial Properties | | | | | | |
| Malls | 136,636 | 149,773 | 103,069 | 106,535 | 181,465 | 157,835 |
| Offices | 79,836 | 90,102 | 103,164 | 74,473 | 151,915 | 93,073 |
| Hotels ¹² | 30,748 | 35,005 | 37,998 | 27,024 | 40,258 | 54,392 |
| Resorts ¹³ | - | - | - | - | 29 | 4,888 |
| District Cooling Systems ¹⁴ | 71,276 | 81,763 | 61,189 | 46,565 | - | 62,191 |
| Construction Projects | 42,587 | 42,932 | 30,298 | 45,780 | 36,051 | 33,263 |
| Estates and Carpark ¹⁵ | | | | | | |
| Estates | 2,921 | 6,369 | 10,055 | 10,326 | 4,801 | 5,732 |
| Carparks | 3,408 | 892 | 2,193 | 2,445 | 890 | 1,140 |
| Airline | - | 85 | 393 | 63 | 86 | 146 |
| Industrial Parks & Warehouses | - | - | 551 | 722 | 955 | 996 |
| Total | 367,413 | 406,922 | 348,909 | 313,932 | 416,450 | 413,655 |

Electricity Consumption Outside the Organization

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------------------------|---------|---------|---------|---------|---------|---------|
| Commercial Properties | | | | | | |
| Malls | 291,887 | 303,404 | 213,085 | 227,489 | 257,306 | 288,843 |
| Offices | 116,282 | 141,757 | 123,966 | 106,935 | 125,735 | 137,169 |
| Hotels | 7,604 | 5,954 | 1,676 | 6,331 | 4,896 | 4,704 |
| District Cooling Systems | - | - | - | - | - | 1,056 |
| Estates and Carparks | - | - | - | - | - | 2,866 |
| Residential Properties ¹⁶ | 30,302 | 56,821 | 70,369 | 152,708 | 98,905 | 222,163 |
| Industrial Parks & Warehouses | - | - | 840 | 5,278 | 7,536 | 6,012 |
| Total | 446,075 | 507,936 | 409,937 | 498,740 | 494,378 | 662,813 |

Whole Building Electricity Intensity – Commercial Properties¹⁷

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|--------|--------|--------|--------|--------|
| Malls | 196.72 | 128.54 | 152.43 | 170.23 | 179.74 |
| Offices | 175.85 | 145.59 | 139.70 | 144.50 | 154.51 |
| Hotels | 198.76 | 220.17 | 179.90 | 230.89 | 266.77 |

¹² Starting 2018, hotel consumption has been broken down between short-term occupants classified under electricity within the organization vs long-term leases and other connected properties classified under electricity outside the organization.

¹³ Starting 2022, some resort facilities have been sourcing energy through solar panels.

¹⁴ Starting 2020, electricity consumption of district cooling systems has been reallocated under ALI-connected commercial properties (malls, offices, hotels). 2020 and 2021 values restated.

¹⁵ For properties and projects with incomplete data, consumption was estimated based on previous month's data.

¹⁶ Includes only the consumption within common areas. No data available for consumption of unit owners.

¹⁷ To consider significant changes in occupancy rate due to the pandemic, intensity has been measured as kWh consumption per sq. meter of occupied floor area. 2019 and 2020 intensities restated.

Common Area Electricity Intensity – Commercial Properties¹⁸

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|--------|--------|--------|--------|--------|
| Malls | 145.99 | 94.10 | 106.57 | 130.59 | 142.77 |
| Offices | 221.61 | 182.84 | 179.34 | 207.45 | 203.96 |

Tenant/Merchant Area Electricity Intensity – Commercial Properties¹⁹

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|--------|--------|--------|--------|--------|
| Malls | 245.38 | 162.99 | 196.72 | 190.44 | 200.26 |
| Offices | 154.31 | 128.52 | 121.06 | 125.12 | 132.40 |

Fuel

This section reports fuel consumption across our businesses. Fuel is consumed for the company's generator sets, service vehicles, kitchen activities, and airline fleets.

Fuel Consumption Within the Organization

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------|---------|---------|--------|---------|---------|---------|
| Stationary | 2010 | 2015 | 2020 | 2021 | 2022 | 2023 |
| Diesel | 67,366 | 60,404 | 37,233 | 44,695 | 68,078 | 61,238 |
| LPG | 6,579 | 10,883 | 2,128 | 2,310 | 4,878 | 4,010 |
| Unleaded | 9 | 181 | 22 | 11 | - | 65 |
| Gasoline | - | 39 | 71 | 28 | - | |
| Mobile | | | | | | |
| Diesel | 45,206 | 6,341 | 23,283 | 48,547 | 58,832 | 105,070 |
| Unleaded | 2,359 | 2,452 | 1,044 | 1,544 | 2,022 | 2,462 |
| Gasoline | 4 | 39 | 49 | 110 | 33 | 344 |
| Jet Fuel | - | 58,156 | 22,897 | 26,703 | 55,184 | 73,025 |
| Total | 121,522 | 138,495 | 86.728 | 123,947 | 189.027 | 246,213 |

¹⁸ To consider significant changes in occupancy rate due to the pandemic, intensity has been measured as kWh consumption per sq. meter of occupied common area. 2019 and 2020 intensities restated.

¹⁹ To consider significant changes in occupancy rate due to the pandemic, intensity has been measured as kWh consumption per sq. meter of occupied leasable area. 2019 and 2020 intensities restated.

Fuel Consumption Within the Organization

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---------|---------|--------|---------|---------|---------|
| Commercial Properties | | | | | | |
| Malls | 7,193 | 4,927 | 5,303 | 7,752 | 4,819 | 4,739 |
| Offices | 4,834 | 12,424 | 5,268 | 7,259 | 3,393 | 4,192 |
| Hotels | 5,493 | 10,196 | 5,379 | 2,650 | 10,389 | 12,703 |
| Resorts | 28,598 | 44,354 | 13,856 | 15,095 | 24,874 | 24,598 |
| District Cooling Systems | | | 256 | 448 | 143 | 130 |
| Construction Projects | 75,060 | 7,845 | 33,578 | 61,713 | 88,131 | 123,208 |
| Estates and Carparks ²⁰ | | | | | | |
| Estates | 337 | 95 | 19 | 847 | 113 | 1,360 |
| Carparks | 7 | 44 | 14 | 453 | 51 | 17 |
| Airline | - | 58,611 | 23,055 | 27,635 | 56,790 | 75,114 |
| Industrial Parks & Warehouses ²¹ | - | - | - | 96 | 124 | 153 |
| Total | 121,522 | 138,495 | 86,728 | 123,947 | 189,027 | 246,213 |

Fuel Consumption Outside the Organization

| 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------|-----------------------|--|---|--|---|
| | | | | | |
| | | | | | |
| ,515 | 1,142 | 6,586 | 3,170 | 2,081 | 3,003 |
| 5,695 | 11,759 | 38,310 | 29,929 | 138,179 | 29,354 |
| 550 | - | - | 15 | - | 92 |
| - | - | - | - | - | 2 |
| | | | | | |
| 215 | - | - | 289 | 22 | 171 |
| 33 | 144 | - | 100 | - | 31 |
| | | | | | 249 |
| 3,009 | 13,045 | 44,895 | 33,503 | 140,282 | 32,902 |
| | 550 - 215 33 | 5,695 11,759 550 - 215 - 33 144 | 5,695 11,759 38,310 550 215 33 144 - | 5,695 11,759 38,310 29,929 550 15 | 5,695 11,759 38,310 29,929 138,179 550 - - 15 - - - - - - 215 - - 289 22 33 144 - 100 - |

Fuel Consumption Outside the Organization²²

| in mWh | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------------------|---------|--------|--------|--------|---------|--------|
| Commercial Properties | | | | | | |
| Malls | 35,695 | 11,759 | 38,310 | 29,929 | 138,179 | 29,354 |
| Offices | - | - | - | - | - | 51 |
| Resorts ²³ | - | - | 1,272 | 953 | 196 | - |
| Residential Properties | 2,314 | 1,286 | 5,314 | 2,620 | 1,907 | 3,497 |
| Total | 175,041 | 13,045 | 44,895 | 33,503 | 140,282 | 32,902 |

For properties and projects with incomplete data, consumption was estimated based on previous month's data.
 Starting 2021, fuel consumption of industrial parks & warehouses has been included.
 No data available for tenants of industrial parks.
 Starting 2020, fuel consumption of resort locators has been included.

EMISSIONS

Emissions declared are market-based and are computed using the control approach of the GHG Protocol Corporate Accounting and Reporting Standard. For Scope 1 emissions, reference for the GWPs (global warming potential) is the 2014 IPCC 5th Assessment Report, with gases including carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O). Emission factors used come from the Philippine Department of Energy.

For properties that shifted to purchasing electricity from renewable energy power plants which are accompanied by iRECs (International REC Standard) certification, Scope 2 and 3 emissions are considered zero from the date of shifting.

Total Emissions

| in t-CO2e | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------------------|---------|---------|---------|--------|--------|--------|
| Scope 1 | 30,772 | 62,770 | 41,940 | 61,236 | 46,716 | 61,903 |
| Scope 2 | 257,679 | 214,227 | 133,299 | 73,316 | 73,464 | 49,732 |
| Scope 3 ²⁴ | 286,930 | 218,501 | 96,479 | 47,848 | 68,051 | 19,392 |

Scope 1 Emissions

| scope i Ellissions | | | | | | |
|--|--------|--------|--------|--------|--------|--------|
| in t-CO2e | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Commercial Properties | | | | | | |
| Malls | 1,831 | 1,258 | 1,352 | 6,978 | 1,223 | 1,900 |
| Offices | 1,231 | 3,164 | 1,343 | 1,849 | 855 | 1,036 |
| Hotels | 1,340 | 2,492 | 1,346 | 462 | 2,608 | 3,156 |
| Resorts | 7,249 | 11,266 | 3,517 | 3,867 | 6,294 | 6,299 |
| District Cooling Systems ²⁵ | - | 22,223 | 20,423 | 25,495 | 49 | 33 |
| Construction Projects | 19,033 | 8,537 | 8,520 | 15,650 | 21,838 | 31,229 |
| Estates and Carparks | | | | | | |
| Estates | 86 | 24 | 5 | 223 | 22 | 352 |
| Carparks | 2 | 11 | 4 | 116 | 13 | 4 |
| Airline | - | 13,795 | 5,431 | 6,572 | 13,783 | 17,854 |
| Industrial Parks & | - | - | - | 24 | 31 | 39 |
| Warehouses ²⁶ | | | | | | |
| Total | 30,772 | 62,770 | 41,940 | 61,236 | 46,716 | 61,903 |
| | | | | | | |

²⁴Includes emissions from downstream leased assets only. Other emission categories will be reported in 2023 report.

²⁵ Per the property managers, consumption for other DCS were integrated in the ALI-connected commercial properties during the data reporting.

²⁶ Emissions from fuel consumption reported starting 2021.

Scope 2 Emissions

| in t-CO2e | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|---------|---------|---------|--------|--------|--------|
| Commercial Properties | | | | | | |
| Malls | 105,039 | 78,814 | 39,618 | 7,645 | 6,122 | 4,010 |
| Offices | 42,114 | 31,781 | 44,181 | 13,074 | 24,268 | 7,444 |
| Hotels | 24,265 | 29,546 | 16,160 | 9,889 | 10,036 | 742 |
| Resorts | 108 | - | - | - | - | 2,922 |
| District Cooling Systems ²⁷ | 56,782 | 48,692 | 7,262 | 7,007 | - | 9,994 |
| Construction Projects | 25,569 | 20,964 | 18,190 | 27,372 | 28,109 | 20,136 |
| Estates and Carparks | | | | | | |
| Estates | 1,765 | 3,845 | 6,012 | 6,397 | 3,743 | 3,432 |
| Carparks | 2,037 | 533 | 1,311 | 1,462 | 694 | 616 |
| Airline | - | 51 | 235 | 38 | 67 | 87 |
| Industrial Parks & Warehouses | - | - | 329 | 431 | 425 | 348 |
| Total | 257,679 | 214,227 | 133,299 | 73,316 | 73,664 | 49,732 |
| | | | | | | |

Scope 3 Emissions²⁸

| scope 3 Elilissions | | | | | | |
|---|---------|---------|--------|--------|--------|--------|
| in t-CO2e | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Downstream Leased Assets | | | | | | |
| Malls | 231,636 | 162,578 | 50,455 | 24,537 | 47,359 | 9,811 |
| Offices | 47,234 | 49,951 | 43,797 | 19,717 | 20,018 | 6,407 |
| Hotels | 8,060 | 5,972 | 1,284 | 195 | - | - |
| Resorts ²⁹ | - | - | 440 | 243 | 50 | 631 |
| Estates and Carparks | - | - | - | - | - | 1,714 |
| Industrial Parks & Warehouses ²⁵ | - | - | 502 | 3,156 | 624 | 829 |
| Total | 286,930 | 218,501 | 96,479 | 47,848 | 68,051 | 19,392 |
| | | | | | | |

Emissions Intensity³⁰

| in kg-CO2e/sqm GFA | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------|--------|--------|-------|-------|-------|------|
| Malls | 53.24 | 34.10 | 7.99 | 3.49 | 1.93 | 1.65 |
| Offices | 35.25 | 20.39 | 14.88 | 10.15 | 14.20 | 5.66 |
| Hotels | 132.67 | 136.62 | 73.04 | 53.34 | 28.73 | 2.77 |

²⁷ Electricity Consumption of DCS and hence its emission is reallocated to the malls or offices.

 $^{^{28}}$ Covers only downstream leased assets. Other scope 3 categories to be reported in 2023.

²⁹ Starting 2020, emissions from energy consumption of resort and industrial parks and warehouse locators have been included.

³⁰ To take into account significant changes in occupancy rate in light of the pandemic, intensity has been measured as kg-CO2e of Scope 2 and 3 emissions per sq. meter of occupied floor area. Emissions intensities restated.

WATERThis section details water consumption across Ayala Land's businesses.

Water Consumption Within the Organization

| in cum | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------------------------|------------|------------|-----------|-----------|-----------|------------|
| Commercial Properties ³¹ | | | | | | |
| Malls | 6,084,565 | 6,332,352 | 3,932,443 | 3,692,426 | 5,175,366 | 5,937,113 |
| Offices | 2,587,337 | 2,589,591 | 1,180,002 | 1,088,351 | 1,005,067 | 1,420,285 |
| Hotels | 382,476 | 403,740 | 318,544 | 272,505 | 393,332 | 605,619 |
| Resorts | 112,921 | 97,843 | 36,503 | 53,859 | 117,459 | 83,005 |
| District Cooling Systems | 233,669 | 161,816 | 440,598 | 408,938 | 417,468 | 416,511 |
| Construction Projects | 3,379,158 | 944,626 | 1,328,528 | 1,698,557 | 1,424,409 | 1,628,230 |
| Estates and Carparks ³² | | | | | | |
| Estates | 489,603 | 107,442 | 698,271 | 390,173 | 384,930 | 407,954 |
| Carparks | 95,059 | 20,460 | 65,552 | 52,447 | 52,447 | 49,843 |
| Airline | - | 6,000 | 2,335 | 1,535 | 2,549 | 6,775 |
| Industrial Parks & | - | - | 32,928 | 1,101 | 6,923 | 37,219 |
| Warehouses | | | | | | |
| Total | 13,364,788 | 10,663,870 | 8,035,705 | 7,659,894 | 8,979,950 | 10,592,574 |

Water Consumption Outside the Organization

| in cum | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Commercial Properties ²⁵ | | | | | | |
| Malls | - | - | - | - | 117,147 | 115,702 |
| Offices | - | - | 784,761 | 536,785 | 710,219 | 730,095 |
| Hotels | - | - | - | 7,926 | - | - |
| Resorts | - | - | 10,197 | 9,609 | 14,817 | 19,096 |
| Estate | - | - | - | - | 5,243 | 17,240 |
| Residential Properties | 1,441,748 | 1,636,698 | 3,571,176 | 5,028,602 | 5,028,602 | 6,696,242 |
| Industrial Parks & | - | - | 26,416 | 41,387 | 112,969 | 95,715 |
| Warehouses | | | | | | |
| Total | 1,441,748 | 1,636,698 | 4,392,550 | 5,624,310 | 5,988,998 | 7,674,089 |

Whole Building Water Intensity³³

| | Unit | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|--------------|------|------|------|------|------|
| Malls | cum/sqm GFA | 2.59 | 1.59 | 1.64 | 2.27 | 2.51 |
| Offices | cum/sqm GFA | 1.79 | 1.48 | 1.26 | 1.33 | 1.44 |
| Hotels | cum/ sqm GFA | 1.99 | 2.03 | 1.51 | 2.12 | 2.51 |

³¹ Starting 2020, offices and resorts' water consumption has been broken down between consumption in common areas (within the organization) vs leased areas (outside the organization). Disaggregation for hotels and malls done in 2021 and 2022, respectively.

³² For properties and projects with unavailable data, consumption was estimated based on previous year's data.

³³ To consider significant changes in occupancy rate due to the pandemic, intensity is measured as cubic meter consumption per sq. meter of occupied floor area.

MATERIALS

This section details materials – cement and rebars – consumed by our construction operations.

Total Materials Consumption

| in metric tonnes | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------------|---------|---------|---------|---------|---------|---------|
| Cement | 277,718 | 249,660 | 169,612 | 173,327 | 191,400 | 201,374 |
| Rebars/Steel | 171,756 | 196,031 | 89,042 | 82,025 | 61,791 | 62,184 |

WASTE

This section details solid and hazardous waste generated from our properties and projects as reported by our haulers. Waste generation includes operational waste and construction waste.

Total Solid Waste Generation and Diversion

| 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------|---|--|--|--|---|
| 47,352 | 43,515 | 25,486 | 21,558 | 26,241 | 38,918 |
| 41,214 | 35,574 | 19,798 | 16,480 | 21,037 | 32,469 |
| 25,867 | 20,948 | 10,186 | 9,777 | 12,248 | 18,266 |
| 8,749 | 10,593 | 3,355 | 4,865 | 6,578 | 10,037 |
| 6,598 | 4,033 | 6,257 | 1,838 | 2,211 | 4,165 |
| 6,138 | 7,941 | 5,688 | 5,078 | 5,204 | 6,449 |
| 6,138 | 7,894 | 5,641 | 5,022 | 4,905 | 5,286 |
| - | 32 | 46 | 56 | 106 | 383 |
| - | 1 | 28 | 75 | 130 | 383 |
| - | 2 | 1 | - | - | |
| - | - | - | - | - | 216 |
| - | 15 | 1 | - | 192 | 565 |
| | 47,352 41,214 25,867 8,749 6,598 6,138 | 47,352 43,515 41,214 35,574 25,867 20,948 8,749 10,593 6,598 4,033 6,138 7,941 6,138 7,894 - 32 - 1 - 2 | 47,352 43,515 25,486 41,214 35,574 19,798 25,867 20,948 10,186 8,749 10,593 3,355 6,598 4,033 6,257 6,138 7,941 5,688 6,138 7,894 5,641 - 32 46 - 1 28 - 2 1 - - - | 47,352 43,515 25,486 21,558 41,214 35,574 19,798 16,480 25,867 20,948 10,186 9,777 8,749 10,593 3,355 4,865 6,598 4,033 6,257 1,838 6,138 7,941 5,688 5,078 6,138 7,894 5,641 5,022 - 32 46 56 - 1 28 75 - 2 1 - - - - - | 47,352 43,515 25,486 21,558 26,241 41,214 35,574 19,798 16,480 21,037 25,867 20,948 10,186 9,777 12,248 8,749 10,593 3,355 4,865 6,578 6,598 4,033 6,257 1,838 2,211 6,138 7,941 5,688 5,078 5,204 6,138 7,894 5,641 5,022 4,905 - 32 46 56 106 - 1 28 75 130 - 2 1 - - - - - - - |

Construction Waste Generation

| in cubic meter ⁴⁰ | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------------------------|-----------|---------|-----------|---------|---------|
| Total Waste Generated ⁴¹ | 1,230,603 | 885,144 | 1,136,685 | 366,690 | 218,543 |
| Waste Sent to Landfill | 724,002 | 541,595 | 443,307 | 265,452 | 146,635 |
| Waste Diverted from Landfill & | | | | | |
| Sent to Recyclers ⁴² | 506,600 | 343,549 | 693,378 | 101,238 | 71,908 |

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³⁴ Total waste generated across all businesses. Excludes 1,641 cubic meters waste from Residential Properties

³⁵ All other solid waste that are non-food and non-compostable.

³⁶ Includes landscape waste such as leaves, shrubs, tree trimmings, and grass clippings

³⁷ Includes traditional recyclables such as paper, cartons, glass bottles and aluminum cans.

³⁸ Plastics collected and diverted through Arca South Ecohub.

³⁹ Yard waste from established estates used as inputs for waste-to-energy power plants for a laundry facility that caters to Seda laundry needs.

⁴⁰ Additional waste from construction activities measured in cubic meters. Due to the varying densities of construction materials, waste in cubic meters is reported separately from waste in metric tonnes.

⁴¹ 2019 to 2021 data included solid waste from ancillary construction activities. In 2022 and 2023, conversion factors for different waste profiles with varying densities were rationalized to improve data management and reporting.

⁴² Waste sent to recyclers or processing facilities

Total Hazardous Waste Generation⁴³

| in tonnes | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|
| D406 ULAB ⁴⁴ | 150 | 34 | 42 | 36 | 61 |
| D407 CFL ⁴⁵ | 114 | 30 | 26 | 20 | 21 |
| I101 Used Industrial Oil | 42 | 19 | 87 | 45 | - |
| J201 Containers | 10 | 16 | 12 | 9 | 34 |
| M506 WEEE ⁴⁶ | 19 | 60 | 28 | 23 | 16 |
| H802 Grease Wastes | - | - | - | 3 | - |
| F601 Paint/Organic Sludge | - | - | - | 1 | <1 |
| M501 Infectious Wastes | - | - | - | <1 | 3 |
| M503 Pharmaceuticals and Drugs | - | - | - | <1 | <1 |
| M507 Special Wastes | - | - | - | 1 | <1 |
| in '000 liters | 2019 | 2020 | 2021 | 2022 | 2023 |
| l101 Used Industrial Oil | - | - | - | 20 | 77 |
| l102 Vegetable Oil Including Sludge | - | - | - | 5 | 33 |
| l104 Oil-contaminated Materials | - | - | - | 1 | 8 |
| H802 Grease Wastes | - | - | - | - | 13 |

Hazardous Waste Diversion and Disposal 2023

| | % Recycled ⁴⁷ | % Stored On-Site |
|--------------------------|--------------------------|---------------------|
| D406 ULAB ⁴⁷ | 68% | 32% |
| D407 CFL ⁴⁸ | 68% | 32% |
| I101 Used Industrial Oil | 56% | 44% |
| J201 Containers | 49% | 51% |
| M506 WEEE ⁴⁹ | 20% | 80% |

⁴³ Started reporting HW from Malls and Resorts. HW from ALLHC, Construction Projects, and ALICAP will be reported in 2023.

⁴⁴ ULAB – Used Lead Acid Batteries

⁴⁵ CFL – Compact Fluorescent Lightbulbs

⁴⁶ WEEE – Waste Electrical and Electronic Equipment (e-waste)

⁴⁷ Commonly generated hazardous waste – lead acid batteries (D406) and industrial oil (I101) for generator sets, and waste electronic (M506) – are recycled through the Bantay Kalikasan program of ABS-CBN Lingkod Kapamilya Foundation, Inc.

CARBON NEUTRALITY

This section reports company performance in line with its <u>carbon neutrality</u> goal by 2022. Emissions under the carbon neutrality scope are composed of scope 1 and 2 emissions from commercial properties (malls, offices, hotels, resorts).

Emissions under Carbon Neutrality Scope⁴⁸

| in t-CO2e | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------------|------------|------------|-----------|-----------|
| Gross Emissions from BAU Scenario ⁴⁹ | 280,272 | 261,985 | 214,832 | 302,377 | 313,649 |
| Less: | | | | | |
| Emissions Reductions from Renewable Energy | (121,951) | (154,403) | (163,946) | (250,723) | (276,113) |
| Carbon Stored in Carbon Forests ⁵⁰ | (1,245.48) | (2,490.96) | (4,151.60) | (8,732) | (7,824) |
| Net Emissions | 157,076 | 105,091 | 46,734 | 45,428 | 29,713 |

Buildings with Renewable Energy Sources⁵¹

| in t-CO2e | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------------------------------------|------|------|------|------|------|------|
| Total | 34 | 51 | 57 | 65 | 87 | 111 |
| % to Total (in sqm GLA) ⁵² | 48% | 59% | 73% | 85% | 91% | 91% |

Carbon Forest Sites

| Forest Site | Project Area (hectares) | 2023 Carbon stock (t-CO2e) |
|-------------|----------------------------|-------------------------------|
| Alaminos | 133 | 16,504 |
| Cebu | 124 | 11,014 |
| Davao | 50 | 7,239 |
| Lio | 80 | 8,251 |
| Nuvali | 120 | Ongoing remeasurement |
| Sicogon | 80 | Ongoing remeasurement |
| Total | 586 | 43,008 |

Carbon Forest Activities

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------------------------------|--------|--------|--------|--------|--------|
| Total area allocated (hectares) | 586 | 586 | 586 | 586 | 586 |
| Total area planted (hectares) | 32 | 24 | 36 | 31 | 32 |
| Trees planted per year | 35,719 | 25,415 | 56,510 | 56,681 | 25,521 |
| Volunteers mobilized per year | 4,177 | 635 | 486 | 500 | 2,253 |

⁴⁸ Emissions are market-based and calculated using the GHG Protocol Corporate Accounting and Reporting Standard

⁴⁹ Emissions if properties had not shifted to renewable energy sources (business-as-usual scenario).

⁵⁰ Only consider the removals from carbon sinks as calculated and verified by a third party.

⁵¹ No. of buildings updated from 2017 onward based on shift dates

⁵² Percentage share of buildings with renewable energy sources as measured in square meters of GLA of malls and offices.

FOUR FOCUS AREAS

This section reports company performance in line with metrics under <u>Four Focus Areas</u>.

Site Resilience

Green Space in Ayala Land Developments⁵³

| in hectares | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|-------|-------|-------|-------|
| Total Recorded Green Space | 418 | 1,153 | 1,075 | 1,152 | 1,242 |
| Estates | 333 | 957 | 880 | 957 | 1,028 |
| Residential Developments ⁵⁴ | 85 | 195 | 195 | 195 | 215 |

Native Trees in Ayala Land Developments

| in hectares | 2020 | 2021 | 2022 | 2023 |
|--|---------|---------|---------|---------|
| Total Recorded Native Trees | 103,942 | 105,291 | 106,481 | 109,779 |
| Native Tree Share in Estates ⁵⁵ | | | | |
| Established Estates | 39% | 44% | 44% | 40% |
| Emerging Estates | 72% | 71% | 71% | 70% |
| Estates under Planning | 89% | 87% | 87% | 69% |

Biodiversity

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|------|------|------|------|
| Total Recorded IUCN Red-List Species ⁵⁶ | 57 | 66 | 66 | 66 | 66 |
| Critically Endangered | 2 | 3 | 3 | 3 | 3 |
| Endangered | 7 | 12 | 12 | 12 | 12 |
| Near Threatened | 20 | 20 | 20 | 20 | 20 |
| Vulnerable | 28 | 31 | 31 | 31 | 31 |

| | in hectares |
|---|-------------|
| Total area with high biodiversity value | 4,870 |
| Anvaya Cove | 470 |
| El Nido | 323 |
| Alviera | 1,125 |
| Nuvali | 1,860 |
| Sicogon | 1,092 |

⁵³ Green space refers to parks and open spaces that are covered with greenery.

⁵⁴ No data for 2022 Residential Development and hence, 2021 value was used. Will be restated in 2023.

⁵⁵ Native tree share is measured as the percentage of trees from the total tree population that are native. Changes in native tree share are due to newly recorded trees in Ayala Land developments.

⁵⁶ Number of threatened species as identified by the International Union for Conservation of Nature (IUCN) that are found in Ayala Land developments – El Nido and Anvaya. No updated studies conducted as of 2022.

Pedestrian Mobility and Transit Connectivity

Transit Connectivity in Ayala Land Developments

| P2P Buses ⁵⁷ | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|--------|-------|-------|--------|-------|
| Bus Routes in ALI Malls and Estates | 25 | 38 | 19 | 25 | 20 |
| Average Daily Passengers ⁵⁸ | 21,850 | 8,451 | 7,770 | 10,173 | 4,941 |

Bike Lanes in Estates⁵⁹

| In kilometers | 2020 | 2021 | 2022 | 2023 |
|----------------------------------|-------|-------|-------|--------|
| Bonifacio Global City | 13.6 | 20.5 | 20.5 | 20.5 |
| Makati Central Business District | 6.57 | 6.57 | 6.57 | 6.57 |
| Nuvali | - | 7 | 7 | 53.5 |
| Vermosa | - | - | - | 24.2 |
| Total | 20.17 | 34.07 | 34.07 | 104.77 |

Resource Efficiency

LEED-Certified Buildings in Ayala Land Commercial Portfolio

| | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------------------|------|------|------|------|------|
| Total # of Buildings | 11 | 11 | 11 | 14 | 14 |
| Office | 9 | 9 | 9 | 12 | 12 |
| Hotel | 2 | 2 | 2 | 2 | 2 |
| % to Total | | | | | |
| Office (in GLA) | 9% | 9% | 9% | 9% | 9% |
| Hotel (in # of rooms) | 14% | 13% | 13% | 13% | 13% |

LEED-Certified Buildings as of 2023

| | Property Type | Certification |
|-------------------------------------|---------------|---------------|
| One Evotech | Office | Silver |
| Teleperformance Cebu | Office | Gold |
| Bonifacio Stopover | Office | Gold |
| Vertis Corporate Center 1 | Office | Certified |
| Vertis Corporate Center 2 | Office | Certified |
| Vertis Corporate Center 3 | Office | Certified |
| SEDA Nuvali | Hotel | Silver |
| SEDA Vertis North | Hotel | Gold |
| High Street South Corporate Plaza 1 | Office | Gold |
| High Street South Corporate Plaza 2 | Office | Gold |
| MDC Corporate Center | Office | Gold |
| Ayala Triangle Gardens Tower 2 | Office | Gold |
| Ayala North Exchange Tower 1 | Office | Certified |
| Ayala North Exchange Tower 2 | Office | Certified |

⁵⁷ Following the Metro Manila Bus Rationalization Program implemented by the DOTr-Land Transportation Franchising and Regulatory Board in June 2020, the P2P bus routes have decreased starting 2020.

⁵⁸ Lower average daily passengers starting 2020 due to the pandemic.

⁵⁹ Shared bike lanes with lane markings, bollards, and/or safety signages. Values from 2020 to 2021 corrected.