

11 WATER MANAGEMENT

Related UNSDGs



Goal 6:
Clean Water & Sanitation



Goal 12:
Responsible Consumption & Production



Goal 13:
Climate Action

Why This Is Important

As a property developer, water consumption management is a critical aspect of sustainable development and responsible resource use. We rely on it for cleaning, landscaping, and maintenance, particularly in our golf course management, as well as for construction activities.

While we have not set specific targets for reducing water consumption, Tropicana is dedicated to continuously monitoring consumption and ensuring the responsible management of water resources in the areas where we operate.

Our current water consumption does not significantly impact water availability in the areas where we operate, and there is no immediate threat of water scarcity at our construction sites and properties. None of our operations in Malaysia are located in water-stressed areas, and given the relatively low volume of water we consume vis a vis other water-intensive business sectors, it is not considered a significant risk.

Our Approach

In FY2024, we have assessed and understood our potential impact on water resources using the Aqueduct Water Risk Atlas from the World Resources Institute. Based on this assessment, the overall water stress in areas in which we operate in Malaysia is low stress area. The baseline water stress measurement by Aqueduct measures the ratio of total water demand (e.g. domestic, industrial, irrigation and livestock) to available supplies (surface and groundwater). Higher value indicates more competition from users (e.g. high-water stress).

In FY2024, we continued our efforts to optimise water usage across all sites by identifying and addressing water leaks, raising employee awareness about water conservation and promoting environmentally sustainable behaviour at our sites. A summary of key initiatives is as follows:

Initiatives	Description
Rainwater Harvesting	Water is reused for irrigation and common area purposes. Meters were installed to monitor usage.
Awareness & Communications	Relevant employees and managers are provided awareness and communicate. To this end, we adopt guidelines issued by local water authorities in optimising water usage at our sites and the homes of our employees.
Water-saving Sanitary Features	Features covered under the Water Efficient Product Labelling Scheme (“ WELPS ”) or Water Efficiency Labelling and Standards (“ WELS ”), such as self-closing basin taps, dual-flush toilet cisterns, and spray bidets, are installed for common area use.
Sustainable Landscaping	We favour native or adaptive plants to minimise irrigation needs. Wetland plants are also used to improve water quality in the water bodies. The waterway in the Urban Park at Tropicana Metropark incorporates a self-sustaining wetland. We also used biofiltration technology as part of the stormwater management at the development.
Pollution Traps	Gross pollutant traps (“ GPTs ”) are installed to capture stormwater pollution before it enters the waterways. GPTs catch the majority of litter and silt before it reaches the waterway. The contents of the GPTs are regularly emptied and disposed of in a landfill.

Initiatives	Description
Pipeline Maintenance & Leak Repair	We carry out regular pipe preventive maintenance and repair pipe/meter leaks
Integrated Water Supply Scheme (“IWSS”)	To ensure a reliable and sustainable water supply for the development, crucial for maintaining environmental balance and supporting the community’s needs, we developed the Integrated Water Supply Scheme from Labuhan Dagang and Sijangkang Utama, supplemented by dedicated water tanks and suction tanks
Water Retention Tanks	Serves as water supply backup to safeguard against potential disruptions or emergencies in the water supply
Upgrade of Water Systems	Existing water systems were upgraded to be more efficient, reducing water waste and increasing water productivity e.g., 18 retention ponds across Tropicana Golf & Country Resort were upgraded for better irrigation and filtration systems
Installation and Usage of Tube-Well	For our usage in Tropicana Golf & Country Resort, where the treated underground water is used in our swimming pool and for toilets
Water Recycling	The recycling of the fire system test water for sprinkler and wet riser systems, including recycling of air conditioning condensate water, which is collected to the rainwater collection tank

Our Performance

The following is an overview of our water consumption for this reporting year.

Water Withdrawn & Consumed	Unit	FY2024	FY2023	FY2022
Total Water Withdrawal:	ML	473.95	482.34	-
Water Withdrawal from: Groundwater (wells, boreholes)	ML	35.06	0.03	-
Water Withdrawal from: Municipal potable water	ML	438.89	482.31	-
Total Water Consumed	ML	473.95	482.34	-

Note:

Water consumption data is sourced from water utility bills (for municipal potable water) and internal logs (for groundwater).

Water Consumption Breakdown by Business Segment

Business Segment	Water Consumption (ML)
Property investment, recreation, and resort	449.91
Property development and property management	24.04