

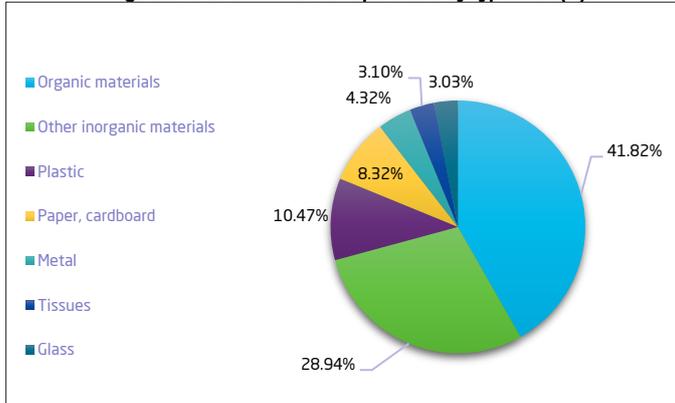
Increase of wildlife reserves area

In 2022, wildlife reserves recorded an increase in their area by 4%, reaching 337,113 square kilometers compared to 324,151 square kilometers in 2021. Wildlife reserves constitute 16.86% of the total land area of the kingdom. Meanwhile, the area of marine reserves reached 12,216 square kilometers (Table1).

Municipal Waste

In 2022, the amount of collected municipal waste decreased by 11.10%, amounting to 20.75 million tons compared to 23.34 million tons in 2021. Organic materials constitute 41.82% of municipal waste, while plastic accounts for 10.47%, and paper makes up 8.32% of the municipal waste (Figure1).

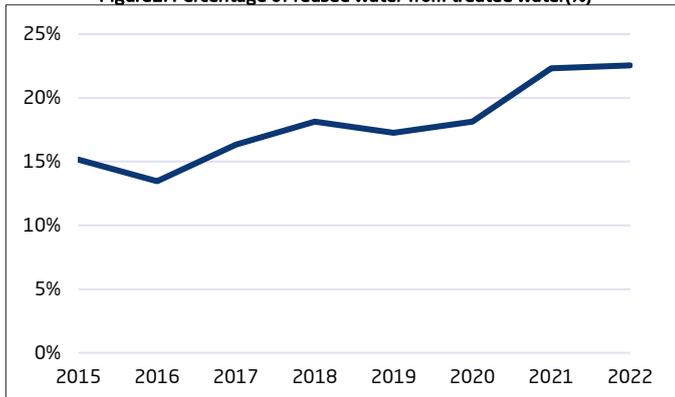
Figure1. Total collected municipal waste by type 2022(%)



Reused treated water

The volume of reused treated water for the year 2022 increased by 3.73%, reaching 434 million cubic meters compared to 419 million cubic meters in 2021. Reused treated water constituted 22.55% of the total volume of treated water for the year 2022 (Figure2).

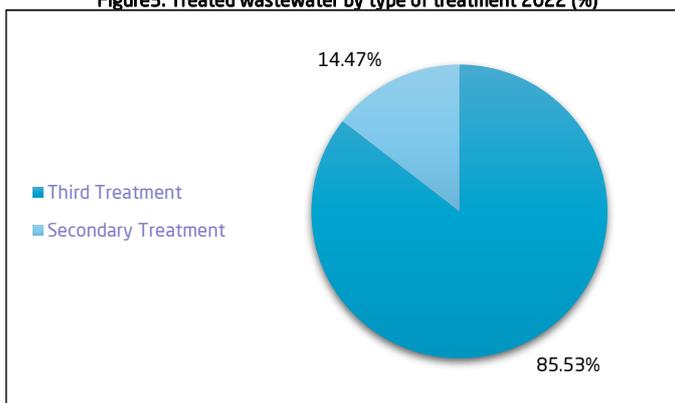
Figure2. Percentage of reused water from treated water(%)



Wastewater treatment plants

The number of wastewater treatment plants in the municipal sector increased by 7.52% in 2022, reaching 143 plants compared to 130 plants in 2021. The capacity of these plants was 2.25 billion cubic meters in 2022. The volume of treated water amounted to 1.93 billion cubic meters in 2022. Of this, water treated through tertiary treatment methods constituted 85.53% of the treated water, while water treated through secondary treatment methods accounted for 14.47% of the total volume of treated water (Figure3, Table1).

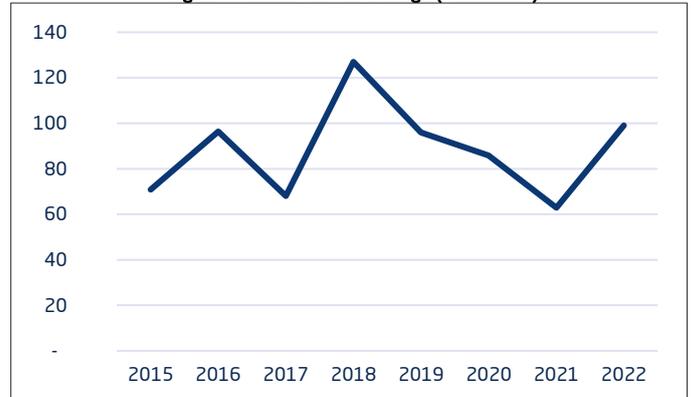
Figure3. Treated wastewater by type of treatment 2022 (%)



Annual rainfall rate

In 2022, the annual average rainfall reached 99 millimeters, an increase of 57.39% compared to 2021. Meanwhile, the long-term average rainfall for the period 1991-2022 was 87.5 millimeters (Figure4).

Figure4. Annual rainfall average (Millimeters)



Area of green spaces, gardens, and parks in the municipal sector

The area of green spaces in the municipal sector increased by 4.90% in 2022, reaching 223 million square meters compared to 212 million square meters in 2021. Additionally, the area of gardens and parks rose by 4.45%, amounting to 147 million square meters in 2022 compared to 140 million square meters in 2021 (Table1).

Table1: Key Indicators of Environmental Statistics Publication 2022

Statistical indicators	Unit	2021	2022
Area of wildlife reserves	Square kilometer	324,151	337,113
Area of marine reserves	Square kilometer	12,216	12,216
Wastewater treatment plants in the municipal sector	number	133	143
Total capacity of wastewater treatment plants in the municipal sector	Billion cubic meters	2.24	2.25
Volume of treated wastewater	Billion cubic meters	1.88	1.93
Volume of reused treated water	Million cubic meters	419	434
Area of gardens and parks in the municipal sector	Million square meters	140	147
Area of green spaces in the municipal sector	Million square meters	212	223
Quantity of collected municipal waste	Million tons	23.34	20.75

Source: Tables.

Metadata

The Environmental Statistics Publication was prepared in accordance with the General Framework for Environmental Statistics (FDES 2013) developed by the United Nations. The publication relies on two main sources: statistics from the General Authority for Statistics (censuses, sample surveys) and statistics from administrative sources including the Ministry of Environment, Water and Agriculture, the Ministry of Municipal and Rural Affairs and Housing, the Royal Commission for Jubail and Yanbu, the Saline Water Conversion Corporation, and environmental centers.

[For more details, please refer to the Metadata.](#)