

**ZORLUENERJİ**

**ZORLU ENERJİ  
ENVIRONMENTAL TARGETS  
PROGRESS REPORT**

**GELECEĞİN  
ENERJİSİ**





# AIR EMISSIONS

**Target 1:** Reduce NOx emissions by 10% compared to the previous year.

**Target 2:** Reduce SO2 emissions by 10% compared to the previous year.

**Target 3:** Reduce mercury emissions by 10% compared to the previous year.

**Target 4:** Reduce dust emissions by 10% compared to the previous year.

Unit		2021	2022	2023	2023 Target	Assessment
<b>NOx</b>	tonnes/year	296.7	367.76	<b>186,00</b>	331	★★★
<b>SO2</b>	tonnes/year	1,075.25	1,335.42	<b>729,00</b>	1,201.5	★★★
<b>Hg</b>	mg/kg	0.125	-	-	0.112	No measurements were made in 2022 and 2023.
<b>Dust</b>	tonnes/year	8.85	9.89	<b>8,30</b>	8.9	★★★



# ENERGY CONSUMPTION

**Target:** Reduce direct energy consumption by 10% compared to the previous year.

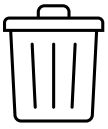
	Unit	2021	2022	2023	2023 Target	Assessment
<b>Direct Energy Consumption (Natural Gas, Diesel, Gasoline, LPG, Coal)</b>	GJ	2,721,435	3,391,562.63	<b>2,222,379.15</b>	3,052,406	★★★

# WATER CONSUMPTION

**Target 1:** Reduce water consumption by 10% compared to the previous year.

**Target 2:** Reduce water consumption by 10% in regions with high and very high-water stress compared to the previous year (for Turkey: Rotor WPP, Kızıldere 1-2-3 GPP, Alaşehir GPP, Uşak, Afyon, Eskişehir OEDAŞ, and Lüleburgaz).

	Unit	2021	2022	2023	2023 Target	Assessment
<b>Water consumption</b>	tonnes	100,295,239	109,479,077	<b>119,012,919</b>	98,531,169	☆☆☆
<b>Water consumption in areas with high and very high-water stress</b>	tonnes	45,971,525	45,009,503	<b>65,113,967</b>	40,508,552	☆☆☆



# WASTES

**Target 1:** Reduce the total amount of waste disposed (hazardous waste + non-hazardous waste) by 10% compared to the previous year.

**Target 2:** Reduce the amount of hazardous waste disposed by 10% compared to the previous year.

**Target 3:** Reduce the amount of ash by 10% compared to the previous year.

	Unit	2021	2022	2023	2023 Target	Assessment
<b>Total waste disposed (hazardous waste + non-hazardous waste)</b>	tonnes	12,018	25,144	<b>1,674</b>	22,629	★★★
<b>Hazardous waste disposed</b>	tonnes	106	112	<b>95</b>	100	★★★
<b>Ash wastes</b>	tonnes	22,990	29,200	<b>26,162</b>	26,280	★★★