

Dashboard

# Environmental indicators 2018

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## Environmental indicators 2018

KPI	Units	Target 2018 (path)	Value 2018	Fullfilment
<b>CLIMATE CHANGE AND ENERGY TRANSITION</b>				
Total direct GHG emissions (Scope 1)	metric tonnes CO <sub>2</sub> equivalents	< 21,356,422	18,305,632	✓
Indirect greenhouse gas emissions from energy purchased and consumed (Scope 2)	metric tonnes of CO <sub>2</sub> equivalents	< 1,158,233	1,093,343	✓
Total Scope 1 and 2 emissions	Million of metric tonnes of CO <sub>2</sub> equivalents	< 23.0	19.4	✓
Average Scope 1 and 2	Million of metric tonnes of CO <sub>2</sub> equivalents	< 24.6	21.7	✓
Emission Factor Electricity generation	tCO <sub>2</sub> /GWh	< 364	342	✓
Average emission factor electricity generation	tCO <sub>2</sub> /GWh	< 388	375	✓
Carbon Neutrality	%	> 70.7	83.7	✓
Fugitive methane emissions	tCO <sub>2</sub> eq/km	10.3	9.4	✓

## Environmental indicators 2018

KPI	Units	Target 2018 (path)	Value 2018	Fulfillment
<b>CIRCULAR ECONOMY AND ECO-EFFICIENCY</b>				
Total non-renewable energy consumption (total energy consumption)	MWh	< 65,739,795	60,614,244	✓
Direct NOx emissions	metric tonnes	< 30,614	18,378	✓
Direct SO2 emissions	metric tonnes	< 17,604	10,702	✓
Total water withdrawal	million cubic meters	< 1,035	777	✓
Total water consumption	million cubic meters	< 31.00	26.54	✓
Total net fresh water consumption	million cubic meters	< 15.50	8.69	✓
Total Water release	million cubic meters	< 991.68	753.72	✓
Non-hazardous waste generation	metric tonnes	< 1,001,210	441,433	✓
Non-hazardous Waste Recycled and energy recovery	%	> 32.6	65.0	✓
Hazardous Waste generation	metric tonnes	< 7,588	8,308	In process <sup>1</sup>
Hazardous Waste Recycled and energy recovery	%	> 62.9	87.8	✓
Total waste disposed	metric tonnes	< 161,182	148,580	✓
<b>NATURAL CAPITAL AND BIODIVERSITY</b>				
Initiatives implemented to create a net gain of biodiversity	ha	> 1,000	> 1000	✓
Environmental studies	nº	> 150	200	✓
Conservation of species and natural spaces initiatives	nº	> 100	110	✓

<sup>1</sup> The production of hazardous waste has increased due to the process of dismantling the coal and fuel oil plants, which in some cases has been advanced,

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