

DETAILED ENVIRONMENTAL INDICATORS

EMISSIONS							
INDICATOR	Unit	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	What was your goal for the fiscal year 2023?
GHG emissions (Scope 1)*							
Total Direct GHG emissions (Scope 1)	metric tons equivalent of CO2	1'604,906	1'972,770	2'060,989	2'244,704	2'820,507	Not established for 2023
Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100
IGEI (scope 2)*							
based on location	metric tons of CO2 equivalent	8,019	8,021	8,751	8,751	6,702	Increase of less than 10%.
Data coverage (as % of denominator)	Percentage of:	100%	100%	100%	100%	100%	100%
market-based	metric tons of CO2 equivalent	-	-	-	-	-	-
Data coverage (as % of denominator)	Percentage of:	-	-	-	-	-	-
IGEI (Scope 3)*							
Total indirect GHG emissions (Scope 3)	metric tons of CO2 equivalent	387,573	514,330	700,088	545,729	825,996	Not established for 2023
NOx emissions							
Direct NOx emissions	metric tons of NOx	1,211	1,117	1,104	1,362	1,529	It has not been established by 2023
data coverage (as % of denominator)	data coverage (such as % of denominator)	100	100	100	100	100	100
Sox emissions							
Direct SOx emissions	metric tons	146	60	82	307	13	Not established for 2023
Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100
Direct mercury emissions							
Direct mercury emissions	kilos	0.7	0.3	4.2	7.2	10.2	It has not been established by 2023

Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100
Dust emissions							
Direct dust emissions	metric tons	51	32	33	55	43	Not established for 2023
Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100
SF6 emissions							
SF6 emissions	metric tons	0	0	0	0	0	0
Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100

Note: Emissions associated with dispatch, which is determined by COES.

(*) The calculation has been revised to include the same standard in the calculation of the 3 scopes for the years requested.

Scope 3 Category	Emissions in the reporting year (metric tons of CO ₂ e)	Methodology for calculating emissions and exclusions
1. Goods and Services Purchased	88,654	The total energy purchased for commercialization was quantified according to COES reports and considering an emission factor equal to that of the grid. national
2. Capital Assets	-	-
3. Fuel and energy activities (not included in Scope 1 or 2)	736,831	Emissions from the production and transportation of natural gas, diesel and coal used for generation were quantified. Emission factors were obtained from the ecoinvent 3.8 database.
4. Transportation and distribution upstream	-	-
5. Waste generated in operations	-	-
6. Business travel	1003	Air transportation, contracted cabs, contracted buses for the transportation of passengers and workers to the plants.
7. Displacement of employees	-	-
8. Leased assets upstream	-	-
9. Downstream transportation and distribution	-	-
10. Processing of products sold	-	-
11. Use of the products sold	-	-
12. End-of-life treatment of sold products	-	-
13. Water leased assets below	-	-
14. Franchises	-	-
15. Investments	-	-
Others upstream	-	-
Others downstream	-	-

RESOURCE EFFICIENCY AND CIRCULARITY							
Power consumption**							
INDICATOR	Unit	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	What was your target for fiscal year 2023?
Total non-renewable energy consumption	MWh	17,790	17,373	18,845	21,442	12,225	No target has been set for the 2023
Total renewable energy consumption	MWh	30,248	33,422	31,485	28,888	15,749	No target has been set for the 2023
Electricity transmission losses							
Losses of transmission (in %)	%	2	2.11	2.44	0.98	1.38	Not Applicable

Note: Consumption may increase according to asset growth

(**) Considers contracted energy consumption.

WASTE							
INDICATOR	Unit	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	What was your goal for the fiscal year 2023?
Waste disposal							
Total waste recycled/reused	metric tons	76	45	130	153	168	>100
Total waste eliminated	tons metrics	219	127	207	239	318	<300
- Waste deposited in landfills	metric tons	219	127	207	239	318	100% of the waste disposed of at landfills
- Incinerated waste with valorization energy	metric tons	0	0	0	0	0	0
- Waste deposited in landfills	metric tons	219	127	207	239	318	100% of the waste disposed of at landfills
- Incinerated waste with valorization energy	metric tons	0	0	0	0	0	0
- Incinerated waste without recovery energy	metric tons	0	0	0	0	0	0
- Waste disposed of otherwise, please specify:	metric tons	0	0	0	0	0	0
- Waste with disposal method unknown	metric tons	0	0	0	0	0	0
Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100
Hazardous Waste							
Total hazardous waste recycled/reused	metric tons	28	15	35	15	33	>15
Total hazardous waste disposed	metric tons	112	52	96	120	188	<200
- Hazardous waste deposited in landfills	metric tons	112	52	96	120	188	100% of the waste disposed of at landfills

- Hazardous waste incinerated with recovery energy	metric tons	0	0	0	0	0	0
- Hazardous waste incinerated without recovery energy	metric tons	0	0	0	0	0	0
- Hazardous waste otherwise disposed of, specify:	metric tons	0	0	0	0	0	0
- Hazardous waste with disposal method unknown	metric tons	0	0	0	0	0	0
Data coverage (as % of denominator)	% of:	100	100	100	100	100	100
Ash and Gypsum Waste							
Total ash and gypsum residues recycled/reused	Metric tons	0	0	0	0	0	0
Total ash and gypsum waste removed	Metric tons	0	0	0	0	0	0
Data coverage (as % of denominator)	Percentage of:	100	100	100	100	100	100

Note: Indicators and targets do not include decommissioning and may be adjusted according to asset growth.

WATER							
INDICATOR	Unit	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	What was your goal for the fiscal year 2023?
Water consumption in water-stressed areas							
Total net freshwater consumption in water-stressed areas (Total water withdrawals - Total water discharges - Total water withdrawals - Total water discharges - Total water withdrawals - Total water discharges - Total water withdrawals - Total water discharges) water)	million cubic meters	0.03503	0.03505	0.03538	0.03538	0.0346	Variation of not more than 25%.
Data coverage (as % of denominator)	Percentage of	100%	100%	100%	100%	100%	100
Business impacts of water-related incidents							
Total actual and opportunity costs (e.g., revenue foregone) of related incidents with water	Thousands of dollars	0	0	0	0	0	Not applicable

Note: 1) Consumption depends on dispatch, which is determined by COES and/or asset growth. 2) Generation water is not considered.

ENVIRONMENTAL VIOLATIONS					
Considering the payment of significant fines/penalties (costs greater than USD 10,000) ¹ , related to environmental violations that occurred in the corresponding year, below is a list of the number of offenses and/or fines:					
	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Number of non-compliances with obligations legal/regulatory	0	0	0	0	0
Number of fines/penalties related to the above.	0	0	0	0	0
Currency:					
Amount of accumulated environmental liabilities.	0	0	0	0	0
Currency:					