

EMISSIONS INTENSITY TARGETS

FOR GRUPO MÉXICO'S
OPERATIONS

CLIMATE CHANGE

In recent years, we have calculated emission intensity for the Mining Division (tons CO₂e per ton of Cu) using an operational approach. This approach includes all emissions generated by our mining operations (Scope 1), as well as emissions from electricity consumption (Scope 2) sourced from third parties outside of Grupo México, along with those supplied by the “La Caridad” combined-cycle power plant, which is operated by our Infrastructure Division. These emissions are calculated per ton of copper produced (contained in concentrates and cathode-grade ESDS). This methodology allows us to monitor the historical performance of our products’ emission intensity in alignment with the data published in our financial reports.

Below are the emission intensity calculations for 2018, which we consider our baseline year, as well as for the past four years:

	2018	2022	2023	2024	2025
Total (tons CO₂e) including electricity consumed from the “La Caridad” combined-cycle power plant	4,836,872	4,478,731	4,151,378	4,246,290	4,277,399
Total mineral production (tons of ore)*	1,134,533	1,213,214	1,141,989	1,267,592	1,394,222
Total production (tons of Cu)	1,002,061	1,009,002	1,029,854	1,086,051	1,072,578
Copper share	88.32%	83.17%	90.18%	85.68%	76.93%
Total (tons CO₂e) – Cu share only	4,272,102	3,724,961	3,736,240	3,638,150	3,290,614
Intensity (tonCO₂e/ ton Cu)	4.26	3.69	3.63	3.35**	3.07**
Intensity (tonCO₂e/ ton mineral)	4.26	3.69	3.63	3.35	3.07
Change vs previous year				-7.66%	-8.42%
Change vs 2018				-21.43%	-28.04%

* Includes mine production of copper concentrates, cathode-grade ESDS, and concentrates of zinc, gold, silver, lead, molybdenum, and cadmium. Excludes copper, zinc, gold, and silver refining, as well as sulfuric acid production at refineries.

** The reduction target under this approach is 20% relative to 2018 by 2027, and 50% relative to 2018 by 2035.

In 2023, we aimed to refine our emission intensity analysis and targets to encompass Grupo México's main processes—mining, smelting and refining, and power generation. Given that copper is our primary product, we based our calculations on copper equivalent production. In 2026, we will review the usefulness of reporting these intensities under the copper equivalent approach.

Processes considered:



Mining

Includes Scope 1 operational emissions and emissions from the purchase of electricity from third parties outside Grupo México, calculated per ton of copper equivalent produced at the mines.



Smelting and refining

Includes Scope 1 operational emissions and emissions from the purchase of electricity from third parties outside Grupo México, calculated per ton of copper equivalent produced during the smelting and refining processes.



Power generation

Includes Scope 1 operational emissions from the La Caridad combined-cycle power plant, calculated per MWh produced.

In the next page there is an overview of our operational emissions and copper-equivalent intensities starting from 2022.

Intensity Targets for 2027

	2018	2027 BAU	2022	2023	2024	2025	Estimated final emissions for 2027	Proposed intensity reduction target for 2027	Percentage of Grupo México's emissions covered by the target
Mining Division Emissions – Mining Operations									
ton CO ₂ eq	2,935,545	3,377,478	2,654,041	2,447,332	2,450,243	2,594,628	2,868,587		
Total production (tons of Cu eq)	1,187,614	1,366,404	1,219,711	1,337,446	1,359,687	1,656,591	1,366,404		
Intensity (tonCO ₂ eq/ ton Cu eq)	2.47	2.47	2.18	1.83	1.80	1.57	2.10	15% VS 2018	46% of BAU emissions
Mining Division Emissions – Smelting and Refining									
ton CO ₂ eq	587,290	609,738	563,330	509,970	462,172	327,397	387,278		
Total production (tons of Cu eq)	777,814	807,545	656,588	620,492	780,812	668,833	807,545		
Intensity (tonCO ₂ eq/ ton Cu eq)	0.76	0.76	0.86	0.82	0.59	0.49	0.48	30% VS 2018	8% of BAU emissions
Total emissions – Mining Division (ton CO ₂ eq)	3,522,834	3,987,217	3,217,370	2,957,302	2,912,415	2,922,026	3,255,865		
Infrastructure Division Emissions									
ton CO ₂ eq	1,600,000	1,600,000	1,368,201	1,303,696	1,528,568	1,530,375	1,368,201		
Emission intensity (tonCO ₂ eq/ MWh)	0.408	0.408	0.395	0.382	0.356	0.327	0.355	10% vs 2018 (to be achieved with the commissioning of the Fenicias wind farm)	22% of BAU emissions
Transportation Division Emissions									
ton CO ₂ eq	1,460,000	1,810,000	1,422,003	1,521,456	1,594,874	1,614,659	1,612,003		
Emission intensity (tonCO ₂ eq/ per ton transported)	12.6	-	11.7	11.5	11.8	11.97	11.1	4% VS 2018	24% of BAU emissions
Grupo México Total ton CO₂eq	6,582,834	7,397,217	6,007,575	5,782,454	6,035,857	6,067,060	6,236,070		

By 2027, we plan to achieve the proposed intensity targets through the projects shown in the following chart. For more information about these projects, please refer to the climate change chapter of the 2025 Sustainable Development Report.

Reduction initiatives - Transportation Division

- AESS**
 - Fuel Consumption Reduction in Locomotives
- Trip Optimizer**
 - Autopilot installed in 275 locomotives – Annual diesel savings of 4% → Additional installation in 30 locomotives planned for 2025 – Estimated annual diesel savings of 3.6%
- HP / Ton**
 - Efficient use of horsepower to move more tons with fewer locomotives
- LNG**
 - Fleet of 30 LNG locomotives – Replace 52% of diesel consumption in hybrid locomotives
 - Hydrogen fleet – Research phase from 2023 to 2026

AMC Mines - Emission Reduction by 2027 (intensity) -15%



Refining and Smelting - Emission Reduction by 2027 (intensity) -30%



Intensity Targets for 2035

	2018	2035 BAU	2022	2023	2024	2025	Estimated final emissions for 2035	Proposed intensity reduction target for 2035	Percentage of Grupo México's emissions covered by the target
Mining Division Emissions – Mining Operations									
ton CO ₂ eq	2,935,545	3,888,793	2,654,041	2,447,332	2,450,243	2,594,628	1,401,499		
Total production (tons of Cu eq)	1,187,614	1,366,404	1,219,711	1,337,446	1,359,687	1,656,591	1,366,404		
Intensity (tonCO ₂ eq/ ton Cu eq)	2.47	2.47	2.18	1.83	1.80	1.57	0.89	50% VS 2018	47% of BAU emissions
Mining Division Emissions – Smelting and Refining									
ton CO ₂ eq	587,290	683,631	563,330	509,970	462,172	327,397	446,681		
Total production (tons of Cu eq)	777,814	807,545	656,588	620,492	780,812	668,833	807,545		
Intensity (tonCO ₂ eq/ ton Cu eq)	0.76	0.76	0.86	0.82	0.59	0.49	0.49	35% VS 2018	8% of BAU emissions
Total emissions – Mining Division (ton CO ₂ eq)	3,522,834	4,572,424	3,217,370	2,957,302	2,912,415	2,922,026	1,848,179		
Infrastructure Division Emissions from power generation									
ton CO ₂ eq	1,600,000	1,600,000	1,368,201	1,303,696	1,528,568	1,530,375	1,368,201		
Emission intensity (tonCO ₂ eq/ MWh)	0.408	0.408	0.395	0.382	0.356	0.327	0.356 minus other actions identified	12% VS 2018 (achieved with full operation of Fenicias) + additional actions identified during 2025	19% of BAU emissions
Transportation Division Emissions									
ton CO ₂ eq	1,460,000	2,160,000	1,422,003	1,521,456	1,594,874	1,614,659	1,837,003		
Emission intensity (tonCO ₂ eq/ per ton transported)	12.6	-	11.7	11.5	11.8	11.97	10	10% VS 2018	26% of BAU emissions
Grupo México Total ton CO₂eq	6,582,834	8,332,424	6,007,575	5,782,454	6,035,857	6,067,060	5,051,854		

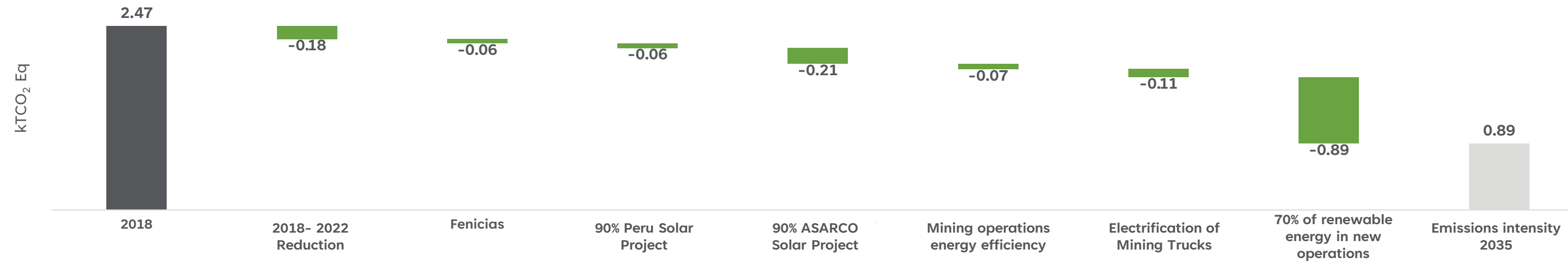
By 2035, we plan to achieve the proposed intensity targets through the projects shown in the following chart. For more information about these projects, please refer to the climate change chapter of the 2025 Sustainable Development Report.

Reduction initiatives - Transportation Division

1. **AESS**
 - Fuel Consumption Reduction in Locomotives
2. **Trip Optimizer**
 - Autopilot installed in 275 locomotives – Annual diesel savings of 4% → Additional installation in 30 locomotives planned for 2025 – Estimated annual diesel savings of 3.6%
3. **HP / Ton**
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4. **LNG**
 - Fleet of 30 LNG locomotives – Replace 52% of diesel consumption in hybrid locomotives
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Intensity Targets for 2035

Mines - Emission Reduction by 2035 (intensity) -50%



Refining and Smelting - Emission Reduction by 2035 (intensity) -35%

