

# Aya 2023 Climate Strategy



As per our HSEC Policy, Aya strives to promote the efficient use of natural resources in order to reduce consumption and waste, reduce our carbon footprint, and protect the environment.

In 2022, we assessed our climate change-related risks and opportunities against the TCFD guidelines. Refer to our 2022 ESG Report for more information on climate risk assessment and to the upcoming 2023 TCFD report for a climate-risk scenario analysis. In evaluating the principal sources of our Scope 1 and Scope 2 GHG emissions, we determined that we are unable to significantly reduce Scope 1 emissions at this time as the technology to electrify our mining fleet is not currently available. We are committed to reviewing emerging new technology and to assessing the feasibility of electrifying our mining fleet on its replacement in approximately 5 years (2027-2028).

Scope 2 emissions, however, form the bulk of the Zgounder Silver Mine's carbon footprint. In 2022, our first initiative to lower Scope 2 emissions was to find a partner and sign a renewable energy PPA. Subsequently, Aya signed an Interconnection Agreement with the Office National de L'Électricité et de l'Eau Potable in order to secure

a clean energy supply for Zgounder. In February 2023, we signed a renewable PPA with Energie Éolienne du Maroc.

The PPA will allow the Zgounder Silver Mine to operate predominantly with renewable electricity supplied through the grid and supports our objective of implementing responsible mining and climate change initiatives in the Kingdom of Morocco. Specifically, the wind PPA allows us to achieve up to near-zero Scope 2 emissions.

By 2025, we will have reduced Scope 2 emissions at our Zgounder Silver Mine in Morocco by approximately 88% compared to 2021, the base year for calculation.

In 2025, we expect our Zgounder Silver Mine operations to emit approx. 1,148 tCO<sub>2</sub>e. This represents a 98% reduction compared to Scope 2 emissions of 56,000 tCO<sub>2</sub>e if operations had continued to be powered with a regular grid connection ("BAU" or Business As Usual).

In turn, this contributes directly to Morocco's Nationally Determined Contribution (NDC) of a global (conditional and unconditional) reduction of GHG by 45.5%, which is compatible with the Paris Agreement's goal of limiting to 1.5°C the rise of global temperatures by 2100.

Over the life of mine, it is expected that the Zgounder PPA will help save almost half a million tonnes of Scope 2 emissions. Additionally, our PPA with a green Morocco-based producer supports the renewable energy sector in Morocco as well as the Kingdom's goal of 80% renewable energy by 2050.

(Kingdom of Morocco (2021) Long Term Low Carbon Strategy. Available at: [https://unfccc.int/sites/default/files/resource/MAR\\_LTS\\_Dec2021.pdf](https://unfccc.int/sites/default/files/resource/MAR_LTS_Dec2021.pdf))