



# Report

## Multi Year Monitoring Period – Summary Plan – Eliwana

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FMG Solomon Pty Ltd

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100-RP-EN-9789

Rev: 0



## 1 BACKGROUND

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The Eliwana mine (the facility) is located in the Pilbara region of Western Australia, approximately 90km west of Tom Price, within the East Pilbara Shire. The facility has Scope 1 covered emissions of greater than 100,000 tCO<sub>2</sub>-e per annum and is covered by the *National Greenhouse and Energy Reporting (Safeguard Mechanism) Rule 2015* (Safeguard Mechanism).

The facility has two production variables (PV) under the Safeguard Mechanism:

- Run-of-mine iron ore (ROM Iron Ore PV); and
- Electricity generation (Electricity Generation PV).

The facility has exceeded its Safeguard Mechanism Baseline (baseline) during the FY24 period and is undergoing decarbonisation activities during the following years which are reasonably likely to reduce the emissions intensity of the ROM Iron Ore PV by FY28. This will involve the gradual replacement of diesel mining fleet with battery electric and trailing cable machinery from FY24 and FY28.

FMG Solomon Pty Ltd (the applicant) is applying for a 5-year Multi-Year Monitoring Period (MYMP) under the Safeguard Mechanism because, based on current forecasts, it is likely that the total Scope 1 covered emissions for the facility will be below the total baseline at the end of the MYMP period.

## 2 ACTIVITY DESCRIPTION

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The applicant will begin replacing its diesel heavy mobile equipment (HME) fleet at Eliwana with battery electric and trailing cable machinery from FY24, displacing the need for diesel while maintaining production volumes. The activity is intended to reduce the emissions intensity of the ROM Iron Ore PV from 0.004553 tCO<sub>2</sub>-e/wmt in FY24 (actual) to 0.000999 tCO<sub>2</sub>-e/wmt in FY28 (forecast), representing a reduction of 78% over the period.

Eliwana is a priority site for Fortescue's 2030 Decarbonisation Program which includes the construction of wind and solar generation to displace power from thermal generation sources. It also includes the displacement of diesel in Fortescue's mobile fleet with both battery electric heavy mobile equipment (HME) as well as electric drills and excavators with trailing cables. The Decarbonisation program necessitates the build out of high voltage electricity transmission infrastructure as well as low voltage electrical site infrastructure to reticulate the mine sites prior to deployment of electrified machines.

## 3 FINANCIAL YEAR THE ACTIVITY IS EXPECTED TO START

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The first year of the Multi Year Monitoring Period (MYMP) will be the 2023/24 financial year and extends to the end of the 2027/28 financial year (5 years).



## 4 EXPECTED NET EMISSIONS AMOUNT FOR THE MYMP

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The activity will result in, at first, the gradual reduction in emissions intensity of the ROM Iron Ore PV at Eliwana, starting in FY26. When larger numbers of battery electric and trailing cable equipment become available there is expected to be a rapid and significant decrease in emissions intensity below baseline. The emissions intensity will start to reduce during FY26 and continues to fall away sharply during FY27 and FY28, below the approved emissions intensity value for Eliwana.

The total baseline (from both ROM Iron Ore and Electricity Generation PVs) over the 5-year MYMP is expected to be approximately 0.61 million tCO<sub>2</sub>-e. Deployment of battery electric and trailing cable HME is expected to reduce net emissions to 0.59 million tCO<sub>2</sub>-e over the MYMP period (based on forecast diesel consumption). The net emissions at the end of the MYMP period is expected to be approximately 19,000 tCO<sub>2</sub>-e below baseline.