



## forestry, fisheries & the environment

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Forestry, Fisheries and the Environment  
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07<sup>th</sup> August 2024

Dear Data Provider,

### TIER 2 CO<sub>2</sub> EMISSION FACTORS FOR COAL – 2025 REPORTING CYCLE

This communicate seeks to alert you that the Solid Fuel Study that was commissioned by the Department of Forestry, Fisheries and the Environment (DFFE) has been finalised and distributed to relevant stakeholders. The report includes country-specific emission factors and NCVs for sub-bituminous coal and other bituminous coal that were determined from the study as well as data that has been determined from the reporting programme.

Data providers are requested to pay attention to tables E2 and E3 in the executive summary of the report that outlines the country-specific NCVs and emission factors. The reporting programme values, as indicated in the report and below, will be incorporated as the country-specific values to be used for reporting going forward **starting from the 2025 reporting cycle**.

| Fuel Type           | CO <sub>2</sub> emission factor<br>Reporting Programme<br>kgCO <sub>2</sub> /TJ | NCV<br>Reporting Programme<br>MJ/kg |
|---------------------|---------------------------------------------------------------------------------|-------------------------------------|
| Sub-bituminous coal | 96 777                                                                          | 18.36                               |
| Other bituminous    | 82 912                                                                          | 26.09                               |

DFFE recognises that some data providers may wish to continue calculating their own CO<sub>2</sub> emissions from coal. These data providers are reminded of the guidance below that DFFE provided previously regarding the calculation that can be used.

*CO<sub>2</sub> Emissions (tonnes) = Amount of fuel (tonnes) \* Carbon Content of fuel (decimal) \* 44/12*

**This guidance note is only applicable for the 2025 reporting cycle reports and onwards.**

Please do not hesitate to contact the GHG Inventory team on [GHGReporting@dffe.gov.za](mailto:GHGReporting@dffe.gov.za).

We would like to thank you for your cooperation in this regard.

Yours sincerely

Jongikhaya Witi

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