

Accelerating Emission Reduction Using Local Emission Rates

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GHG Protocol states that “The methods used to calculate and report scope 2 emissions critically impact how a company assesses its performance and what mitigation actions are incentivized.” Our use of the MOE grid-average emission factor provides a simple but ultimately poor measure of real emissions. A carbon tracing analysis of real network power flows shows that emissions are highly localised within the grid. This granular location and time dependent data offers an opportunity to accelerate decarbonisation by targeting mitigation measures more directly to regions that consume higher emission electricity.