



Grid emission factors and off-grid power generation in Africa

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What is the issue?

- Low GEFs for many SSA countries, e.g.
 - Cameroon, Zambia, Ethiopia < 0.2
 - Except for RSA: 0.9 tCO₂/MWh
 - Not “correct” because in reality
 - Replacing “dirtier” E than GEF suggests
 - Export power to RSA
 - Replacing diesel (off grid), diesel back up or HFO
- ⇒ Yet another barrier to CDM



Possible solutions?

- National GEF ~ suppressed demand & export
- Regional GEF
 - + Better for all, only slightly worse for RSA
 - <-> Boundaries? Timeline?
 - <-> Investors
- Specific actions for LDCs, e.g.
 - 2 CER/tonne ~ ROCs UK <-> single currency
 - x% from LDCs <-> only realistic if + measures
 - Donor community to take part of risk away
 - Operational support e.g. guaranteed tariff; ...



Thank you!

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