

Standardising baselines for electricity:

recommendations from the
UNEP/OECD/IEA workshop

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Electricity Baselines: Considerations

- There may be differences between CDM and JI projects that require different baseline treatment -- but not considered here.

Electricity Baselines: Key Conclusions (1)

- **Distinguish between grid & off-grid**
 - Default values for small off-grid renewables (e.g. solar home systems);
 - Boundaries for grid-connected projects: based on nat'l/sub-nat'l or regional grids.
- **Distinguish b/w new & retrofits**
 - Baseline for retrofits based on pre-retrofit plant emissions for similar output level.
- **Support fast-tracking small projects**

Electricity Baselines: Key Conclusions (2)

- **Baseline units: gCO₂/kWh ;**
 - further examination needed for baselines for off-grid projects.
- **Coverage: all direct on-site GHG emissions**
 - i.e. CO₂ or other material/significant GHGs from electricity generation
 - indirect emissions: ?
- **Baseline lifetime: longer for small projects with long lifetimes**

Electricity Baselines: Key Conclusions (3)

- **Data & methodology:**
 - No conclusion on which data set or methodology; but
 - Data constraints (e.g. unavailable or difficult to obtain) need to be taken into account in choice of methodology;
 - Data should be collected by dedicated orgs.
- **Baseline updates: for new projects**