

Scales of rural photovoltaics – considerations assisting deployment:

Short-term - daily

Long term – a decade

Spatial local – village

Business (productive) – household demands

(Spatial regional/national)

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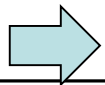
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Points of departure - off-grid minigrids

- Rapidly falling costs of photovoltaics
- Much supply-side focus
- Lack of knowledge of demand
 - Low demands (initial)
- “SHS not sufficient for *productive use*”
- **Importance of systems views**

Studies of *village* electricity demand – various purposes (in Tanzania except *)

- Mini-grid system dynamics modelling – off-grid
- Use of electricity in off-grid villages – off-grid
- Contribution of electricity to village business development - grid
- Village development of use of electricity since electrification – grid *



Questions:

- How is a consideration of demand load scales impacting PV minigrid development?
- Are they important?