

# Data Requirements for Prefeasibility Study and Financial Model

## Technology and site selection:

- Coordinates, descriptions and boundaries of 5 sites to consider for embedded renewable energy generation (solar PV or wind) and location of nearest grid connection point (substation or HV line for loop in loop out configuration).  
*Preferably, in kmz format.*

## Electricity Evacuation Analysis:

- Details of electrical network, HV and MV network, including lines, transformers and equipment loading details. Please include clear single line diagrams.
- Preferred point of connection
- Load demand information and projected load demand need (5 years)

## Yield assessment:

- Any measured available meteorological data (optional)

## Financial Model

1. Annual overview of kWh purchased from Eskom (last 3 years if available)
2. Annual overview of Eskom invoices including all tariffs, charges and penalties (last 3 years if available)
3. Contract with Eskom
4. Annual overview of total kWh sold to local consumers (last 3 years if available)
5. Annual overview of collections from local consumers (last 3 years if available)
6. Contractual tariffs offered to local consumers
7. Costs of local distribution (e.g. maintenance) (last 3 years if available)

8. Annual overview of kWh consumed by municipal buildings and services (last 3 years if available)
9. Annual overview of kWh consumed by other substantial off-takers such as companies (last 3 years if available)