



NERSA Generation License Public Hearing



Introduction to Dorper Wind Farm

- Nominal Capacity: 100MW installed Wind Farm
- On site grid capabilities – 132kv substation
- EIA Authorisation with full community support
- Project site rezoned for wind energy
- Local community ownership of project
- Strong winter daytime wind regime to match South Africa power usage



Background to Dorper Wind Farm

<u>Type of Generation:</u>	Wind Energy
<u>New Gen Station:</u>	Dorper Wind Farm
<u>Location:</u>	Dorper Wind Farm is located between Molteno and Sterkstroom, Inkwanca Municipality, Eastern Cape
<u>Connection Point:</u>	Carickmore Substation
<u>Current Gen Cap:</u>	0MW – New Build
<u>Current Gen Cap:</u>	100MW – 40 x 2.5MW Turbines
<u>Generation Life:</u>	20 years



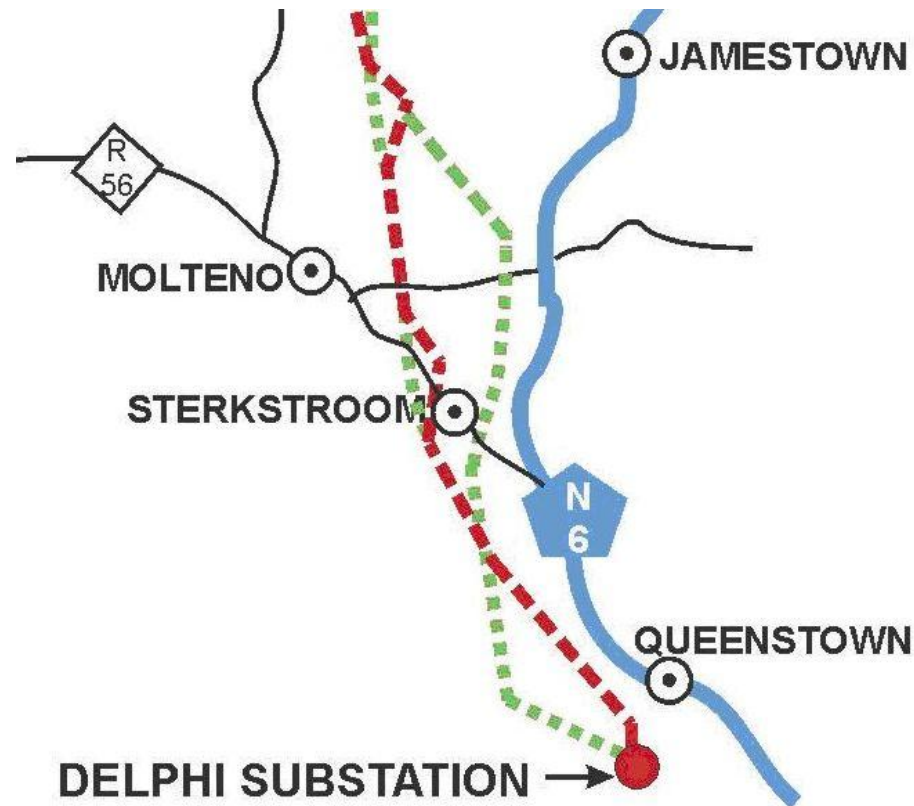
Permitting and Development Process

- Environmental Authorisation with no objections
- Project site rezoned for wind energy
- Grid connection on site, grid application accepted with Eskom site visit conducted for 100MW
- Civil Aviation Authority permitting in place for 100MW
- Equity and debt in place for 100MW
- Financial close on or prior to 30 June 2012
- COD early 2014



Dorper Wind Farm

Syphergat, Inkwanca Municipality, between Molteno and Sterkstroom,
Eastern Cape Province



Renewable Energy Independent Procurement Programme

PPA: PPA will be signed under the Renewable Energy Independent Power Producer Programme.

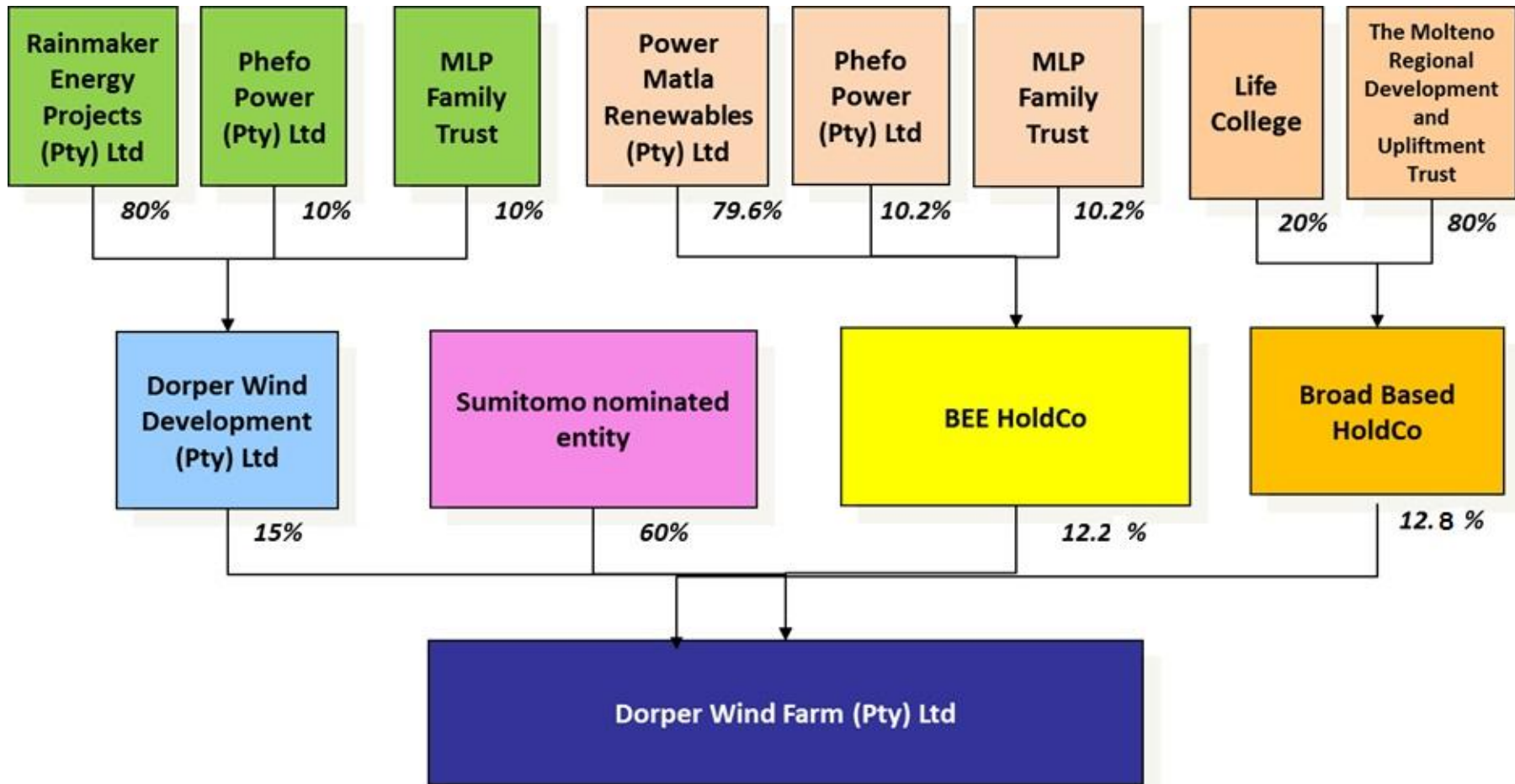
Offtaker: Eskom Holdings SOC Limited

Voltage: Connection to 132KV Voltage at Carickmore Substation

Wheeling: Dorper Wind Farm will complete a Distribution and Direct Agreement under the REIPPP with no wheeling agreement being required as such



Dorper Wind Farm (Pty) Ltd



Project Equity

Equity for the project is being provided by

- Sumitomo Corporation (60%),
- Dorper Wind Development (Pty) Ltd (a Rainmaker Energy Company – 15%)
- BEE Consortium 25%.

BEE: BEE comprises a consortium of broad and narrow based black economic empowerment investors. The majority of the broad based element being held by the Molteno and Sterkstroom Community Development Trust which benefits the local communities of Molteno and Sterkstroom.



Sumitomo Corporation

- Sumitomo foundation in 16th century
- Over \$87 Billion in assets and 5,000 employees
- Extensive business interests encompassing metals, mining, chemicals and infrastructure amongst others
- SC has a net capacity in its IPP business of 5,855MW
- Extensive wind business:
 - **120MW Stanton Wind Energy Facility in Texas USA (Partnered with GE)**
 - **845MW Caithness Sheperds Flat in Oregon USA (Partnered with GE and Google)**
 - **50MW Datang Sino-Japan (Chiefing) Renewable Power in Danianzi China**
 - **16MW Summit Wind Power Sakata in Sakata Japan (100% owned by SC)**
 - **20MW Summit Wind Power Kashima in Kashima Japan (100% owned by SC)**



Rainmaker Energy

- Dorper Wind Development (Pty) Ltd is a Rainmaker Energy Company
- Rainmaker Energy is a wholly South African owned company focused on the development, ownership and operation of renewable energy projects in Sub-Saharan Africa
- Rainmaker Energy is currently developing the 600MW Stormberg Wind Energy Facility, of which Dorper is the first phase
- Rainmaker has been involved in the development of the Dorper project since 2009



Local Ownership and Benefit

- Socio-Economic Development Commitment
- Enterprise Development Commitments
- **Equity stake through Molteno and Sterkstrrom**

Community Development Trust

- Healthcare, Education and infrastructure development



Economic Development

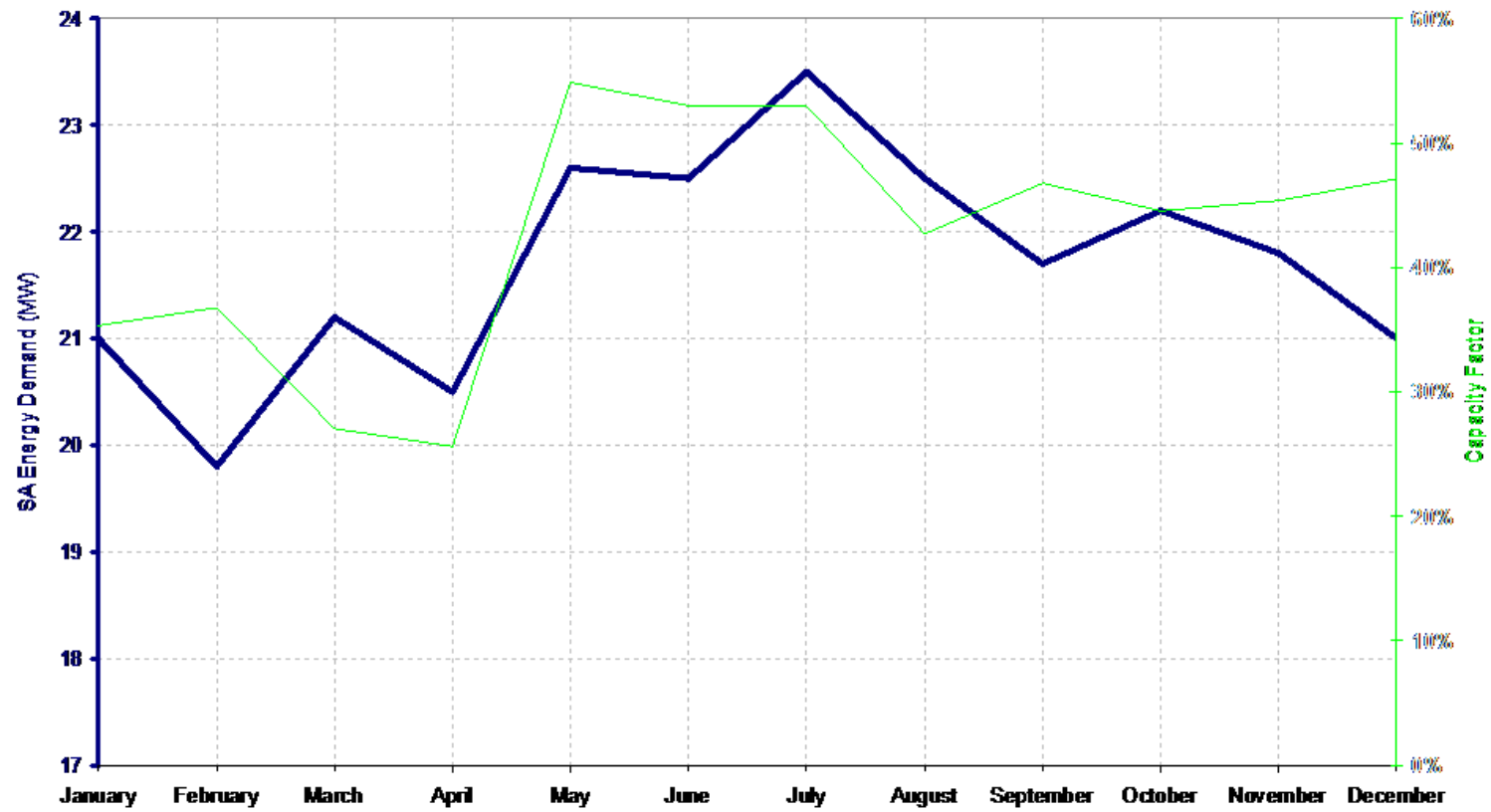
Project maintains a compliance to target across:

- Job Creation
- Economic Development
- Value of Local Content
- Black Top Management
- Preferred Procurement
- Enterprise Development
- Socio-Economic Development





Dorper Yield vs SA Energy Demand





132KV Substation (Sector 1). Showing 1 of the 2 free bays (Sector 1 - 300m from planned s/s 1 in previous page)



Sector 1 (see previous page). Looking North from Escarpment
(All land in the photo is part of the project)



Sector 1 (see previous page) overlooking 400KV line. Looking North West from Escarpment
(All land in the photo is part of the project)



