Gibson Bay Wind Farm

NERSA Hearings
Cape Town
20 February 2014
GIBSON BAY WIND FARM
OVERVIEW
KOUGA WIND FARM OVERVIEW

- 37 Turbines
- 111 MW
- Nordex 3.0 MW N117 turbines
- Hub height of 91 m
- Wind farm area 4,300 Hectares
- Actual footprint 43 Hectares
FEASABILITY STUDIES/PERMITS

- Meteorological measurements commenced on 03 April 2012 following the installation of a 100m lattice mast,
- Correlation with WASA located approximately 4km north -west of the site, is a 60m lattice mast which started operation on 04 August 2010,
- An Environmental Authorisation was issued by DEA under NEMA for the three “clusters” of wind turbines on 13 June 2011,
- EIA split March 2013
GRID

- Injection point is the Wittekleibosch Substation (under construction)
- Evacuation via Dieprivier substation
PROJECT STRUCTURE

- ENEL Green Power South Africa B.V. - 60%
- Gibson Bay Community Trust (Pty) Ltd - 40%
- EPC/O&M contract with Nordex Energy South Africa
ENEL GREEN POWER SOUTH AFRICA BV OVERVIEW

- Established specifically for participation in the Third Bid Submission Phase of the Renewable Energy IPP PP
- Views for long term presence / complex business plan in South Africa

- Experienced investor

- Subsidiary of Enel Green Power S.p.A. which in turn is subsidiary of Enel S.p.A.

- EGP is already participating indirectly in Upington PV Project (in construction, awarded under the Second Round).
ENEL GROUP INTRODUCTION

Upstream Gas → Generation → Distribution → Sales

creates and distributes value in the international energy market

61 Mln customers
Serving the communities

1.33 Mln shareholders
Respect of environment

73,700 Employees
Presence in 40 countries
Safety

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ENEL GROUP-GLOBAL PRESENCE AS OF SEPTEMBER 2013

North America
- Capacity: 1,679 MW
- Production: 4.9 TWh
- Technologies:

Iberia&Latam
- Capacity: 2,898 MW
- Production: 8.5 TWh
- Technologies:

Italy&Europe
- Capacity: 4,112 MW
- Production: 
- Technologies:

Capacity by technology
- Total = 8.7 GW

Production by technology
- Total = 28.7 TWh

1. Reported capacity as of September 30, 2013. Reported production latest twelve months
2. Including co-generation
40%
PPA signing - August 2014

Commercial Operation – 1st quarter 2017
Catalyst for SED and Job Creation through two mechanisms:
- Broad based trust
- ED Scorecard

South African Entity Participation:
- 40% Gibson Bay Community Trust
- 100% local - community as sole beneficiaries
- Objectives - Implement development programmes for the benefit of beneficiaries,
- Development Programmes - welfare, humanitarian, healthcare, education, job creation
- Management of trust - independent professional trust administrator
ECONOMIC DEVELOPMENT: ED SCORECARD

- **Job Creation**
  - Significant job creation in construction, but focus of long term job creation during operation
  - 93% of Jobs created in the local community
  - All commitments significantly exceed target levels from DoE

- **Local Content**
  - Commitment to construction of local tower and anchor cages in SA
  - BoP almost exclusively local

- **Ownership**
  - WF - 40% through the local community trust - Significantly exceeds DoE target
  - Contractor Nordex - 20% through education trust (Broad based ownership scheme) - in line with DoE targets

- **Socio-Economic Development Spend**
  - Most significant impact through substantial portion of revenue
  - Aligned with Needs analysis study
  - Confirms companies commitment to long term sustainability of the region

- **Enterprise Development**
  - To be dealt with by the trust
CONCLUSION

✓ Value for money
✓ Significant community benefit
✓ International experienced utility
Thank you

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