ROGGEVELD WIND FACILITY

NERSA PUBLIC HEARINGS

Cape Town
9th September 2015

Roggeveld Wind Power (Pty)Ltd
• BUILDING ENERGY AT A GLANCE

• OVERVIEW
  - INTRODUCTION
  - LOCATION MAP
  - AREA MAP
  - PROJECT LAYOUT
  - CONNECTION SOLUTION
  - TECHNICAL
  - FINANCIAL INFORMATION

• PROJECT ORGANISATION
  - PROJECT STRUCTURE
  - SHAREHOLDERS

• ECONOMIC DEVELOPMENT
BUILDING ENERGY
Building Energy at a glance

- Awarded the “2012 EMEA Best Sustainability Deal, Project Finance Awards” and the Best Company for Leadership in Clean Energy
- Diversified geographical presence in 4 continents with direct offices and JV with key players in the market:
  - Italy - Milan
  - South Africa – Cape Town
  - USA – Washington
  - Japan – Tokyo
  - United Arab Emirates – Dubai
  - Panama City - Panama

BE has submitted 9 (nine) compliant projects in four rounds under the REIPPPP winning 4 (Kathu 81MWp Solar Farm, Mkuze 16,5 MWe Biomass, Roggeveld 140MW Wind Farm and 4,7MW Kruisvallei Hydro project)
ROGGEVELD WIND FACILITY
PROJECT OVERVIEW
Introduction

- Roggeveld Wind Power (Pty)Ltd has been awarded Preferred Bidder status in Round 4 of the DoE REIPPPP.
- The Roggeveld wind farm is a project which is wholly owned by Roggeveld Wind Power (Pty)Ltd.
- Located North of the town of Matjiesfontein
  - approximately 50 kilometres south-southwest of Sutherland in the Northern Cape province and 45 kilometres northwest of Laingsburg in the Western Cape province.
- The Project has a total Contracted Capacity of 140MW.
- Connected to a 400kV Transmission network
  - At Komsberg Eskom Substation.
- Total Project Value ZAR 3,420,000,000
- Construction Start March 2016
- Commercial Operation Date September 2018.
Locality Map
Area Map

Properties involved:
- Grid Access
- Public Road Access

PPA Project site:
- Douglas Calido
- Francois Conradie
- Kobus le Roux
- Ou Mure Boerdery (Pty) Ltd
- Pieter Conradie - Marina Conradie
- Standvastheid Familie Trust

Scale: 1:100 000

0 1 2 3 km
Layout Map
Connection Solution

- Bon Esperange – Komsberg
- 132KV OHL
- 6,5Km
- Fully authorized (into wind farm EA)
- Delivery point, Komsberg Eskom SS
  - CEL from Eskom received August 2014
  - New 400KV sub-station
  - New 132/400KV 500MVA transformer
  - Connection timeline 30 months (within project COD schedule)
  - Self-build Option
Technical

- 147 MW nameplate
- 49 Turbines
- AWP 3.000MW
- Hub Height 92,5m
- Concrete towers
- 3 Blade, Double Fed Induction Generator (DFIG), 12kV
- Hydraulic Pitch control
- GL Certified, Grid Code Compliant
- Plant availability 97%
- Exp. Yearly Output 610GWh
## Financial Information

<table>
<thead>
<tr>
<th>Expected Financial Close</th>
<th>March 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Period</td>
<td>34 months</td>
</tr>
<tr>
<td>Total Project Cost</td>
<td>ZAR 3,420,000,000</td>
</tr>
<tr>
<td>CAPEX</td>
<td>ZAR 2,200,000,000</td>
</tr>
<tr>
<td>GEARING</td>
<td>75% Debt – 25% Equity</td>
</tr>
<tr>
<td>Nominal Project IRR (unlevered)</td>
<td>12.97%</td>
</tr>
<tr>
<td>O&amp;M Costs</td>
<td>ZAR 38,000,000</td>
</tr>
<tr>
<td>Plant Availability</td>
<td>97%</td>
</tr>
<tr>
<td>Exp. Yearly Output</td>
<td>610 GWhe</td>
</tr>
</tbody>
</table>
ROGGEVELD WIND FACILITY
PROJECT ORGANISATION
Shareholders (1)

• The key shareholders of the Project Company (SPV) are:
  • Building Energy Development Africa 3 srl (51%)
  • GEPF (Africa) Pty Ltd (PIC) (23.25%)
  • H1 Capital (Pty) Ltd (23.25%)
  • Local community trust

• The sponsors/shareholders collectively demonstrate an extensive experience in renewables and its technologies, an in-depth understanding of the South African infrastructure development & construction market, whilst ensuring that broad based black economic and social development remains an important mandate of the Project
### Shareholders (2)

<table>
<thead>
<tr>
<th>Member</th>
<th>Shareholding</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Building Energy Development Africa 3 SRL</strong></td>
<td></td>
</tr>
<tr>
<td>- Building Energy is an Italian holding company that is primarily engaged in the renewable energy sector.</td>
<td>51 %</td>
</tr>
<tr>
<td>- Development, EPC, Financing Arrangements, O&amp;M and Asset Management.</td>
<td></td>
</tr>
<tr>
<td>- Building Energy is the sole sponsor of the 81MWp Kathu Solar plant (round 1 preferred bidder) which is to be fully commissioned in September 2014.</td>
<td></td>
</tr>
<tr>
<td><strong>H1 Capital (Pty) Ltd</strong></td>
<td></td>
</tr>
<tr>
<td>- H1 Capital is an established private investment company.</td>
<td>23,25 %</td>
</tr>
<tr>
<td>- Provides expansion and buyout capital to companies.</td>
<td></td>
</tr>
<tr>
<td>- 100% Black-owned and is a Level 3 Contributor.</td>
<td></td>
</tr>
<tr>
<td><strong>GEPF (Pty) Ltd</strong></td>
<td></td>
</tr>
<tr>
<td>- Wholly owned by the Public Investment Corporation (PIC).</td>
<td>23,25 %</td>
</tr>
<tr>
<td>- The PIC, a registered financial service provider, is wholly owned by the South African Government, with the Minister of Finance as shareholder representative.</td>
<td></td>
</tr>
<tr>
<td><strong>Local Community Trust</strong></td>
<td></td>
</tr>
<tr>
<td>- Beneficiaries are all communities residing within a 50km radius of the project site</td>
<td>2,50 %</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100,00%</td>
</tr>
</tbody>
</table>
ROGGEVELD WIND FACILITY
ECONOMIC DEVELOPMENT
Economic Development

- The project will contribute to local economic development and job creation during the construction and the twenty year operational life of the project.
- The project will also invest in socio economic development which include the following:
  - Programmes for women, youth, people with disabilities and people living in rural areas
  - Support of healthcare and HIV/Aids programmes
  - Support for local education programmes
  - Community training and skills development

<table>
<thead>
<tr>
<th>South African Entity Shareholding</th>
<th>49%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black South African Shareholding in SPV</td>
<td>25,75%</td>
</tr>
<tr>
<td>Black Ownership of EPC and O&amp;M</td>
<td>20%</td>
</tr>
<tr>
<td>Shareholding by Local Community Trust</td>
<td>2,5%</td>
</tr>
<tr>
<td>Local Content</td>
<td>49% of total project cost</td>
</tr>
<tr>
<td>Weighted BBBEE Status</td>
<td>3,61%</td>
</tr>
<tr>
<td>Job Creation (jobs/MW)</td>
<td>7,6</td>
</tr>
<tr>
<td>Black Citizen Employees</td>
<td>30%</td>
</tr>
<tr>
<td>Enterprise Development</td>
<td>0,6%</td>
</tr>
<tr>
<td>SED Contribution</td>
<td>1,5% of total revenues per annum</td>
</tr>
</tbody>
</table>
Thank you!
ITALY
Milano
Via Tortona,15
Phone: +39 02 49527730
Milano

SOUTH AFRICA
Cape Town
Unit 103B The Piazza
72 de Waterkant Street – Green Point
+27 21 418 3940
Cape Town

UNITED ARAB EMIRATES
Dubai
Building Energy Gulf DMCC
Fortune Tower
2102, Jumeirah Lake Towers
Phone: +971 (0) 42766711
Dubai

PANAMA
Panama City
Edificio SFC, piso 28 y 30
Calle 55 con Av. Samuel Lewis,
Obarrio, Phone +507 3041109
Panama

USA
Washington
Building Energy Holding US LLC
505 9th Street, Suite 800
Phone +1 (202) 524 5570
Washington DC

JAPAN
Tokio
Building Energy Japan Godo Kaisha
AIOI Toranomon - Minato-Ku
1-6-12 Nihishinbashi
Phone +81-50-5534-7149
Tokyo

SERBIA
Belgrade
Hadjuk Veljkov venac 4, town
+381 692 225 404
Belgrade