South Africa
Mainstream Renewable Power
Loeriesfontein 2 (Pty) Ltd

Presented to: NERSA
Strand Tower Hotel, Cape Town

Date: 20th February 2014

Presented by Eugene Marais

A joint venture with Genesis Eco-Energy
Presentation outline

- Background
- Project Information
- Shareholding and Financial Information
- Technical Information
- Socio-Economic Development
- Enterprise Development
- Economic Development Commitments
- Milestones and COD
- Questions
Mainstream Renewable Power is a leading global renewable energy developer with a portfolio of over 15,000MW of wind and solar projects across eight countries.

Mainstream South Africa has been active since 2009 developing over 4,000MW of wind and solar projects in South Africa.

In December 2011, a consortium led by Mainstream was awarded preferred bidder status by the Department of Energy in South Africa to deliver 138MW of wind energy and 100MW of solar PV into commercial operation by Q2 2014.

In October 2013, a consortium led by Mainstream was awarded preferred bidder status in Round 3 of the IPP Programme to deliver 360MW of wind energy.

Mainstream has global strengths in the areas of renewable energy development, finance, engineering and procurement where Mainstream has a strong track record in delivering large-scale renewable energy plants around the world.
Loeriesfontein 2 – Project Information

- **Background:**
  - The project has been in development since early 2010
  - Original land agreements signed end 2010

- **Project size:**
  - Contracted Capacity - 138.23MW
  - Nameplate capacity – 140.3MW

- **Location:**
  60km north of the town of Loeriesfontein in the Northern Cape, in the jurisdiction of Namakwa District Municipality and Hantam Local Municipality.

- **Land:**
  The project site (circa 3,453ha) is made up of a portions of 2 land parcels.

- **Grid:**
  11km 132kV line to Helios Substation.

- **Consents for FC:**
  - Appropriate progress has been made in obtaining all necessary consents (including EA – July 2013).
  - There will be no delay to Financial Close on account of any outstanding consents or compliance with any condition contained in any such consent.
Project Information
### Shareholding and Financial Information

- **15.29% BEE ownership in each Round 3 Project, 100% of Trust beneficiaries will be Black**
- **186m ZAR expected to accrue to Community Trust in dividends over life of the Project**
- **Trustees of the Community Trust will be appointed with requirements of the Codes. Min of 4 Trustees, managed by independent chairperson, who is an expert in SED process in emerging economies**

<table>
<thead>
<tr>
<th>Member</th>
<th>Shareholding</th>
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<tbody>
<tr>
<td>Luxembourg Mainstream Renewable Power SARL</td>
<td>40.00%</td>
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<tr>
<td>Old Mutual Life Assurance Company South Africa (IDEAS)</td>
<td>25.00%</td>
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<tr>
<td>Genesis Loeriesfontein 2 Wind (Pty) Ltd.</td>
<td>15.00%</td>
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<tr>
<td>Old Mutual Life Assurance Company South Africa (Futuregrowth)</td>
<td>5.00%</td>
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<tr>
<td>Thebe Investment Corporation</td>
<td>10.00%</td>
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<tr>
<td>The Loeriesfontein Renewable Energy Community Trust</td>
<td>5.00%</td>
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<th>Black Enterprise Members</th>
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<tr>
<th>Tier 1 Lenders</th>
<th>Development Bank of Southern Africa</th>
<th>EKF</th>
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<tr>
<td>ABSA Bank Limited</td>
<td>South Africa Mainstream Renewable Power Loeriesfontein 2 Pty Ltd</td>
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**Mainstream Renewable Power South Africa**

A joint venture with Genesis Eco-Energy
Technical Information

Energy Analysis

- 1st 70m mast measurements: Jan 2011 to the present; 2nd 70m mast measurements: Oct 2012 to the present;
- SODARs at two locations used to provide further, hub height measurements and reduce uncertainties;
- IEC 61400-12-1 First Class, MEASNET calibrated anemometers, in parallel, on all met masts.
- Mean wind speed at 99.5m is 8.0 m/s

Grid Connection

- 11km 132kV line to Helios Substation (Tx)
- Sponsors have had ongoing communication with Eskom and have applied for Budget Quotation (expected May 2014); Technical Evaluation Forums arranged for February
Technical Information

Transportation
● Port of delivery is expected to be Saldanha Bay.
● Initial transportation studies demonstrate minimal infrastructure upgrades are necessary.

Geotechnical
● Preliminary geotechnical work completed prior to Bid.
● Detailed work at expected WTG and Eskom infrastructure locations has begun.

Technology
● Contract negotiations with TSA and BOP contractors are currently in final stages.
● As per Clause 23.1.3 of Part A in the RFP, the Project intends to keep this information confidential until such contracts are finalised (Note that NERSA has received expected Technology as per Bid Response).
Socio-Economic Development

- Prior to Bid Submission, Tshikululu Social Investments was contracted to develop a unique tailored SED Investment strategy for each project;
- SED forms part of the core of Mainstream’s development philosophy; for example, pre-bid, MRP had already invested R75,000 in a Women’s Vegetable Tunnel Farming Project and R80,000 towards computers and technology for a local high school in the Loeriesfontein Community.
- Phase 1 of the SED program will seek to meet some of the immediate needs of the community, while creating a base on which to conduct future interventions. Phase 2 will then build on this base and add socio-economic value to the community on a self-sustaining basis.
- Annex 11 of the IA, Form of ED Plan, is currently being drafted to deliver on all of our bid commitments;

Addressing critical needs ➔ Adding socio-economic value
Enterprise Development

- Each Project has already engaged with local organisations as part of Development; the appointed Enterprise Development Officer for each Project will engage with local community departments as well as specific enterprises.
- Schedule 2 of the IA has been preliminarily drafted by the DOE and commented on by each Project Company, confirming commitments to each ED sub-category.
- Annex 11 of the IA, Form of ED Plan, is currently being drafted to deliver on all of our bid commitments.

- The Project Company will engage and fund existing Qualifying Enterprises (including Construction, Security, Agricultural and Recruitment businesses) as well as new entities (including Black owned agricultural co-ops).
## Economic Development Commitments

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Loeriesfontein 2 Amount (ZAR)</th>
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<tr>
<td>SED</td>
<td>222M</td>
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<tr>
<td>ED</td>
<td>89M</td>
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<tr>
<td>Community Trust Equity Dividends</td>
<td>186M</td>
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<td><strong>Total Value</strong></td>
<td><strong>497M</strong></td>
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- Total value accrued to the Local Community over the life of the Power Purchase Agreement
- Mainstream exceeded all ED thresholds for Job Creation, Local Content, Preferential Procurement, Top Management, ED and SED.
- Figures calculated on a P50 basis.
Milestones and COD

- Preferred bidders status awarded: 29 October 2013
- NERSA Application Submitted: 13 November 2013
- Financial close (expected no later than): 30 July 2014
- Start of construction (expected): 1 August 2014
- Commercial Operation (expected): 1 April 2017
Questions?

Thank you