



WELCOME TO OUR FIRST COMMUNITY NEWSLETTER!

We are pleased to introduce ourselves to you and to give you some information about the Noupoort Wind Farm, so that you are kept informed of what is happening and how you can get involved.



QUICK FACTS ABOUT **THE NOUPOORT WIND FARM**



- Located **10km east** of the town of Noupoort
- It covers an area of approximately **7,500 hectares**
- Due to be **operating by July 2016**
- Consists of **35 wind turbines** each at a total height of 153 metres
- It will power approximately **70,000 homes**



MEET THE NOUPOORT WIND FARM PROJECT TEAM



Martina Flanagan | Project Manager

As the project manager for the construction phase of the wind farm my responsibility is to ensure that the project is delivered on time, on budget and safely. This involves working across all areas of the project and working with the site team and our technical teams to coordinate the work of our construction contractors and make sure the project is built to a high standard.



Livhuwani Sikhapha | Economic Development Manager

My role is to ensure you are kept up to speed with what is happening with the project and to work with you to ensure your community gets the maximum benefit from the wind farm. I will be working to develop Economic Development strategies and to assist in the implementation of community development initiatives for the 20 year lifetime of the project.



Leona Smith | Health and Safety Officer

As the Health, Safety and Environmental Officer it is my job to make sure that everyone on the project works safely. This involves continually inspecting the contractors work practices on site to ensure that safety is always given number one priority. This way we ensure a safe working environment for every employee and visitor to site.



Christo Loots | Site Manager

As the Site Manager I oversee the day to day construction activities on the project site ensuring that all construction activities are carried out to the correct quality standard, safely and on time. This involves daily interaction with the contractors and continuous inspection of their work.



Aniqah Misbach | Assistant Project Manager

My job involves working closely with the project manager. My duties include preparing reports, document management communications. I work with the entire team across many areas of the project including design, site issues and quality.



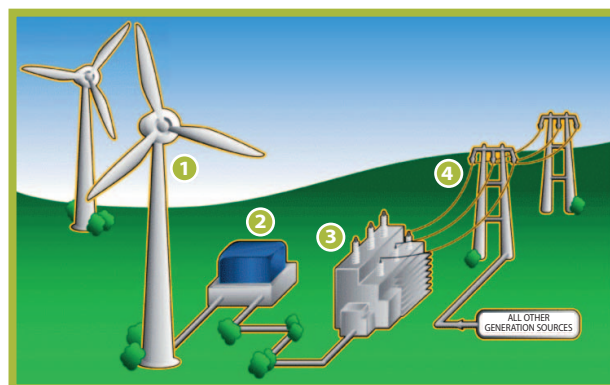
Pule Segale | Assistant Site Manager

My role is to assist the Site Manager in the day to day construction activities as well as monitoring quality and liaising with contractors to ensure the wind farm is built to the highest standards.



HOW A WIND FARM WORKS

- 1 A **Rotating Generator** converts wind energy to electricity.
- 2 A **Transformer** increases voltage for transmission to the substation.
- 3 The **Substation** increases voltage for transmission over long distances.
- 4 Transmission to the **Grid**.



HOW WILL THE NOUPOORT COMMUNITY BENEFIT?



We are committed to contributing to sustainable community growth through financial and non-financial community development initiatives. We will do this by giving back a percentage of total revenue earned from the wind farm to the community in three ways, namely Socio-Economic Development (SED); Enterprise Development (ED); and the establishment of a Community Trust.

It is very important to note that these initiatives will only start happening in the community after the wind farm has been built and has started to operate. We are currently in the construction phase of the project. We are aiming to have the wind farm in operation by July 2016.



ENTERPRISE DEVELOPMENT AND SOCIO-ECONOMIC DEVELOPMENT

Enterprise Development (ED), Socio-Economic Development (SED) and Community Trust initiatives promote access to the economy.

Enterprise Development includes initiatives to assist and accelerate the sustainability of local enterprises and could look at support of emerging economic activities such as agricultural development, new enterprises and cooperatives.

Examples of socio-economic focus areas are:

- Health programmes such as HIV and Aids, vulnerable children programmes,
- Infrastructure development,
- Women and youth upliftment such as sports programmes,
- Education support programmes such as early childhood development.

The **community development Trust focus**, which owns 5% of the wind farm, came into existence through loans; 50% from the Development Bank of South Africa and 50% from the Company's Shareholders. In the initial phase the community development trust will, pay back its loan before benefits starts flowing into the community. The community trust will focus on education, health, agricultural, sports and culture, and social welfare development.



TAKE A GIRL CHILD TO **WORK DAY!**



The Noupoort Wind Farm participated in this year's **Cell C Take a Girl Child to Work** initiative. Eight school girls, four from the Noupoort Combined School, and another four from Enoch Mthetho High School, were invited to the Noupoort Wind Farm. At the site office, female employees, mainly site engineers and Health and Safety officers from Mainstream and Murray & Roberts presented their day-to-day activities to the girls.

Emphasis was placed on their career choices, school subjects and encouraging the girls to focus on their studies. The learners also got to visit site and experience how a wind farm is built.



BUILDING NOUPOORT WIND FARM - **THE STEPS INVOLVED!**

Noupoort Wind Farm started construction in February 2015 and is due to be completed in July 2016.

1

ROAD CONSTRUCTION

33 km of new road will be constructed to each turbine location for access and to allow turbine delivery.



2

FOUNDATION CONSTRUCTION

The wind turbine foundation is a **19 m diameter concrete and steel base** which is placed below the ground level. Each base uses over 60 trucks of concrete.



3

CABLING

Cables will be buried underground to bring the power from each wind turbine to the substation.



4

SUBSTATION CONSTRUCTION

All the cables will meet at the substation where the electricity is transmitted onto one transmission line.



5

WIND TURBINE DELIVERY

Delivery of the turbine parts will start in **October 2015**. The tower sections will travel along the N1 from Atlantis, in Cape Town, where they are made. Other components will arrive from overseas through the port of Coega, in Port Elizabeth, and travel by road, to Noupoort, via the N10.



6

WIND TURBINE PARTS LAID OUT

When the turbine parts are delivered they are laid out beside the foundation ready for the crane to come and erect the wind turbine.



7

WIND TURBINE ERECTION

Two cranes work together to build each turbine.



8

COMPLETION

Once the turbine is built it is commissioned and tested and then finally put into operation.



9

OPERATION

After the whole wind farm construction is finished the project will operate for 20 years.



WHERE DOES THE ELECTRICITY FROM THE WIND FARM GO?

Think of the Eskom grid like an electricity river. The wind farm will contribute to this electricity river; as do other power generation plants. Sometimes the electricity will flow from the wind farm into the homes and businesses of Noupoort, and sometimes the electricity flow from the wind farm is diverted to neighbouring towns or cities, or to power the local trains, all depending on where it is needed at each moment in time.

QUICK FACTS ABOUT WIND ENERGY

- Electricity produced from the wind is clean and renewable.
- Wind generation reduces the country's reliance on coal generation, which emits CO2 and other damaging gases into the environment.
- Wind energy does not consume water during the generation process, so it also helps preserve our country's scarce water resources.
- Noupoort Wind Farm is ideally located due to its excellent wind resources and an accessible electrical connection into the Eskom grid.
- Environmental studies showed that there would be little impact on the environment from the wind farm.



JOBS AND SKILLS DEVELOPMENT

The Noupoort Wind Farm is already employing many people from the local community of Noupoort and will continue to do so throughout the construction period. The number and type of jobs vary throughout the construction period. All employees will acquire unique skills in areas of wind farm construction. For enquiries contact the Community Liaison Officer.



SUPPLIERS

Noupoort Wind Farm and its contractors aim to procure goods and services locally where possible. Local Sub Contractors and suppliers will be selected from a Project database. Any business that would like to supply goods or services to the project, should contact the Community Liaison Officer to be registered on the Project database.

CONTACT US

General enquiries : Noupoort@mainstreamrp.com
Construction enquiries : Pule.Segale@mainstreamrp.com
Jobs and local suppliers : Mr. Trevor Coakley on 074 245 9333
Community enquiries : Livhu.Sikhipha@mainstreamrp.com