

BOULDERS WIND FARM:

THE IDEAL LOCATION FOR LOWEST COST WIND ENERGY

The fundamental factors determining the consideration for wind farm development at any site is a suitable wind resource and grid connection capacity availability. The wind resource is the ability of the wind in the area to produce a high amount of energy annually. The grid connection availability is considered to be the ability of a substation or line to accommodate a certain amount of additional generated power. Without these two fundamental factors, there would be no reason for development at any particular site.

During the initial site selection of this project, dating back to 2010, the previous developers considered the Wind Resource in the area to be very high. At the time, the Wind Atlas of South Africa was in its infancy and did not accurately map the wind resources available due to a high degree of uncertainty and a low resolution. This meant that wind resource could be significantly higher or lower in reality compared to the wind atlas. Nevertheless, even with this high degree of uncertainty, the Saldanha Bay area was considered as one of the windiest areas in the country for wind energy development.

With this in mind, the developer then considered the grid connection in the surrounding area. No wind energy development had occurred in the area, and the only Eskom Grid connection that existed was the Aurora Substation, which is an Eskom Transmission substation (see Figure 1). No Eskom Distribution connections existed at the time. However, it was confirmed during this site selection period that there existed available generation capacity at the Eskom Transmission substation, which would require Distribution upgrades and extensions.

BOULDERS
WIND FARM



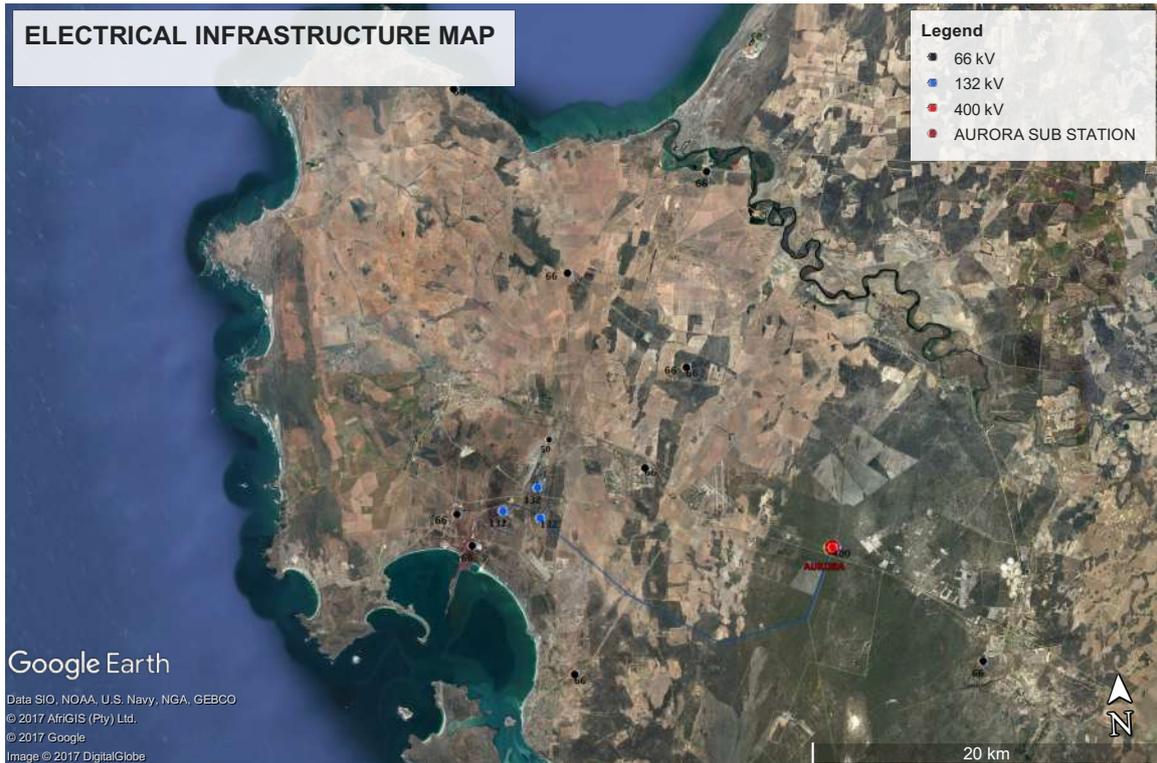


Figure 1: Electrical Infrastructure Map

With the Grid Connection and Wind resource available, this attracted many developers to the great Saldanha Bay area, all with the hope of Wind Farm development in the area. The developer then had to go through a thorough site selection process to choose the right land for the prospective wind farm. The site selection of this development which now dates back to 2011, underwent a screening assessment with various specialists to understand the environmental sensitivities of the whole area. Upon the consideration of many potential land areas, and considering that developers were competitively securing land, the least environmentally sensitive farms were chosen and secured.

After many developers began securing land in the area, where some had already started environmental permitting processes, it was found that the Langebaan Air Force Base Radar and radar operators could not accommodate wind turbine radar interference within a 18.5km distance from the radar (see Figure 3). This was catastrophic to developers in the area, which meant that nearly 280km² of developable land was excluded from development in this high wind resource area. The location of the nearby Aurora substation, and most other Eskom infrastructure lay within this exclusion area, which meant that wind energy development would

have to be done some distance away from their respective connections. This meant that connections would ultimately be costly, increasing the capital of the project and resulting in uncompetitive high electricity prices. Additionally to the cost factor short grid connection distances minimise the need for additional electrical lines also mean a largely reduced impact on the environment and stakeholders.



Figure 2: Exclusion Area

Managing to permit a facility outside of environmental and technical exclusion areas, in the second round of the Renewable Energy Independent Power Producer Programme the first project in the Saldanha Bay area was successful, called West Coast 1 Wind Farm. This project took advantage of the strong wind resource and was situated outside of the radar exclusion zone. However, in order to connect the project to the national grid, a long powerline had to be constructed to connect the facility to the Aurora substation. Eskom, predicting a large industrial electrical load in the future and potential generation in the area, decided to build a double circuit power line to the facility which would accommodate the additional load and generation. Eskom made an agreement at the time, that the wind farm would cover the costs associated with their capacity usage of the power line (Fransvlei-Aurora 132kV) which was roughly 25% and Eskom would then cover the rest. The remaining

75% capacity available on the line has however never been utilised to date due to the radar exclusion zone preventing further wind development and in addition, there has been slow industrial development in the area. As a result, 75% of the costs of this power line can be considered a stranded asset on Eskom's behalf because they have invested the capital and not received the returns for this investment.

The Boulders Wind Farm is located in the ideal location because of the strong wind energy potential available in the area. This has been confirmed during an onsite wind measurement programme which began in 2015. Due to the Boulders Wind Farm position outside of the Radar Exclusion Area, the Wind Farm also has the potential to assist in covering the costs of the Fransvlei- Aurora line built by Eskom for the West Coast 1 Wind Farm and industrial loads which were never realised. Due to the Boulders Wind Farm being located adjacent to the West Coast 1 facility, the connection costs required to connect to the existing Fransvlei-Aurora 132kV line, are estimated to be quite low. With high wind resource and a resulting greater energy production, and low grid connection costs, this means that the costs of electricity for the facility would be cost competitive in a Renewable Energy auction programme in the future, resulting in lower costs of energy of South Africa.

Traditionally, strong winds occur in areas of complex terrain and rugged landscapes. These typically rural mountainous landscapes can make wind farm component transport and wind farm construction very complex and expensive. This is because the road infrastructure used to transport components to the site has not been developed to accommodate industry transports and loads. In addition, the complexity of these types of sites, results in challenging civil and electrical designs and works. The Boulder Wind Farm, having comparable wind conditions as these types of sites, is situated in the great Saldanha Bay area and has the luxury of a well developed road network which can accommodate industrial activities and transport. In addition, the Boulders Wind Farm consists of rolling hills and quite simple terrain. Both of these benefits, ensure a lower impact on the environment compared to other sites, and reduce the resulting electricity price required to make the facility feasible.

The Near Saldanha Bay deep sea harbour is in close vicinity to the site. This harbour has been used in the past to import wind turbine components as such can be considered for the import of components for the Boulders Wind Farm. With the harbour in close vicinity, this results in very short transport routes and an overall lower impact on roads, traffic and environment.

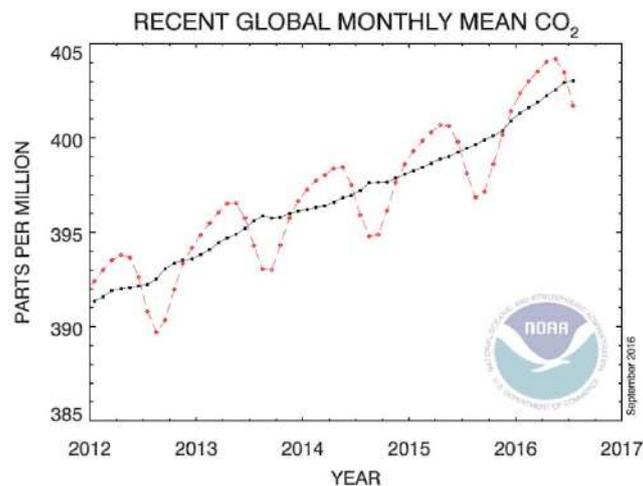
Policy fit and sustainability

The wind energy project is based on current South African Renewable Energy policies and the need to secure and renew the electricity generation structures of the country. There is an urgent need for additional new generation facilities to

secure South Africa's energy supply being essential for the economic and social development and the avoidance of future power shortcuts, also by means decentralising the electricity generation capacity in the country and therefore stabilising the grid.

South Africa has signed and ratified the Paris Agreement in 2016. The Paris Agreement is a legally binding instrument that will further guide the process for universal action on climate change. It brings all nations into a common cause of acting collectively to address the threat of climate change within the context of sustainable development and efforts to eradicate poverty. It sets the goal of holding the increase in global average temperature to well below 2 degrees Celsius and pursuing efforts to limit global temperature increase to 1.5 degrees Celsius.

In recent times the effects of global warming and climate change are becoming all the more evident. Glacial meltdown and sea level rise leading to the loss of entire island nations and threatening densely populated coastal areas, heavier and more storms, droughts leading to desertification and destroying natural vegetation and agricultural lands, heavier rainfalls, flash floods and inundation amongst many other consequences testify that global warming and climate change will have severe impacts around the globe on mankind and all the other species. The ever increasing amount of CO₂ by human contribution has been identified as one of the key drivers for global warming.



One of the main areas responsible for the increase in CO₂ around the globe is the electricity sector so importantly needed for modern societies. With the rise of renewable energy technologies there finally is the chance to have electricity generation without adding additional CO₂ emissions.

The electricity produced by the Boulders Wind Farm will correspond to the saving of

approximately 7,000,000 tons of CO₂ gas emissions while supplying approximately 84,000 average South African households¹ with clean renewable energy over the next 20 years.

The wind farm will therefore deliver a meaningful amount of RE electricity to South Africa and its citizens it will contribute its part in changing the industry from being fossil fuel dominated to one which is based on clean renewable energy which is so beneficial for the global challenge to combat global warming and climate change and to fulfill South Africa's commitment under the Paris Agreement. By conducting a thorough EIA and identifying local sensitivities of the surroundings that will then be avoided by detailed planning and mitigation, it will be ensured that the local impact of the windfarm is minimised as much as possible and the overall ecological contribution on all scales can be seen as positive.

Concerning the cause for sustainable development and the efforts to eradicate poverty, the positive socio-economic benefits of the construction and operation of the Boulders Wind farm under the current South African tender system, REI4P can be clearly stated. Wind farms bring large investment amounts into South Africa. Local content requirements lead to industrialization and the creation (and currently survival) of highly qualified jobs in the industrial sector. The construction and operation leads to the creation of new job opportunities, employment and skills development. There are strong economic and social benefits for local communities through their participation in the project earnings, directly and indirectly. The previously installed projects and associated numbers presented by the Department of Energy testify to this. Last but not least the payment of lease to the owners of the project land leads to a second income for them and helps them to maintain their farming activities in such difficult times for the agricultural sector.

Concluding it can be stated that the Boulders Wind Farm will contribute to the reduction of the human impact on global warming and thus even helping the survival of species on the local scale while at the same time helping to eradicate poverty by improving the economic and social structures from the national down to the local level.

¹ As per data <http://sawea.org.za/index.php/media-room/press-releases/113-sa-to-have-400-wind-turbines-spinning-by-year-end>, "460 000 MWh/y, enough clean renewable electrical energy to power 100 000 average South African households. The project is expected to cut annual carbon emissions by 420 000 t".

UNCLASSIFIED



Telephone: 012 312-2883
Facsimile: 012 312-2076
Enquiries: Colonel E.P. de Villiers

AIRCOMD/DC&CS/319/5/7

DC&CS
Air Command
Private Bag X199
Pretoria
0001
14 March 2013

Mr Norbert Siepelmeyer
IPD-Power

Dear Norbert,

IPD-POWER VREDENBURG WIND FARM DEVELOPMENT – SA AIR FORCE REVIEW

1. Request for the establishment of wind farm development named IPD-Vredenburg Wind Farm development by IPD-Power has reference.

2. After consideration and deliberation of possible impacts on military flight operations, as well as impacts on air defense and airspace security, the SAAF has reviewed the former rejection of this project. The SAAF grants conditional and conceptual approval, subject to that of the SA Civil Aviation Authority (SACAA) and all other parties involved, to IPD-Power to continue with the development of the proposed 118-turbine facility as requested, but under the following conditions:

- a. In principle, based on developments in the vicinity, prior approvals and the possible combined impact on military surveillance systems, the SAAF has no objection to the construction of a maximum of 45 turbines during the first phase. Any expansion on this will have to be re-negotiated with the SAAF, pending further research into the combined impact of the total number of turbines on the primary radar and its possible impact on bird migrations.
- b. The final design of the Wind Farm Development (including blade tip and height of any individual turbine) must ensure adequate obstacle clearance of the Surveillance Radar Instrument Flight Procedure of AFB Langebaanweg, in accordance with ICAO Flight Procedure design criteria. This will reduce the facility's impact on aviation safety, radar equipment, military freedom of operation and national security. (Note that the SAAF will adjust its current radar terrain chart by increasing the height restriction by 500' in the vicinity of this development.)
- c. The developer must ensure that no turbines infringe on the 18,5km prohibited zone around AFB Langebaanweg, measured from reference point S32°58'28.92" E018°09'39.97".
- d. The developer must provide acceptable mitigation at own costs to mitigate the effects created by the turbines should these impose on the SAAF's radar and operational capabilities.
- e. The developer must provide the SAAF with updated geographical data and turbine dimensions prior to construction.

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- f. Approved turbine geographical positions may not be changed prior to full consultation with the SAAF. This can be done on a one-on-one level between the developer and the office of Colonel Elma de Villiers, and approval must be available in writing for SAAF safety audit purposes.
 - g. The wind turbines shall be marked and lighted in accordance with SACAA specifications.
3. The SAAF maintains the right to withdraw its consent to this development if the developer does not meet all of the above-mentioned conditions.
 4. For any further information, do not hesitate to contact me.

Yours sincerely



**(COLONEL E.P. DE VILLIERS)
DEPUTY CHIEF OF THE AIR FORCE: MAJOR GENERAL**

DISTR

For Action

External: IPD-Power (Att: Mr Norbert Siepelmeyer)

For Info

CAF
DCAF
GOC
DAS
OC AFB Langebaanweg

Internal

File: AIRCOMD/DC&CS/319/5/7

SOUTH AFRICAN



**CIVIL AVIATION
AUTHORITY**

IPD Power Vredenburg Windfarm (Pty) Ltd

129 Rocherster Road, Cape Town, South Africa

7925

26 August 2016

Lizell Stroh (011 545 1232)

CA8/2/Vredenburg

Our Ref: - CAA_2013_W0005

Attention: Norbert Siepelmeyer

Comments on Wind Farm application received in 19 April 2013 for the Environmental Impact Assessment process on the construction of the Proposed Development near Vredenburg known as IPD Power Vredenburg Wind Farm.

This correspondence supersedes the correspondence dated 02 November 2011 and 12 August 2014 with new reference number.

The SACAA recognizes the national need for renewable energy resources and as such is supportive of the development of any such projects within its mandate to ensure aviation safety in South Africa.

In light of this, a provisional assessment of your proposal has been conducted in relation to the terms and provisions as contained in the Civil Aviation Act (Act 13 of 2009) for the controlling and/or restricting of structures which will constitute an obstruction or potential hazard to aircraft moving in the navigable air space in the vicinity of aerodromes, along promulgated air routes and airspaces, or to aviation communication/navigation/surveillance assets, or which will adversely affect the performance of the said aviation assets or landing systems.

The Civil Aviation Authority has identified concerns regarding the potential negative impact of your proposal on aviation safety, as reflected in the accompanying correspondence dated 14 March 2013 still applies, from the South African Air Force (SAAF). No turbines infringe on the 18.5km prohibited zone around AFB Langebaanweg measure from defence point 32 58 28.92S 018 09 39.97E. Any impact of the wind farm on the SAAF surveillance systems will require mitigation by the Developer to a level acceptable to SAAF at the Developer's cost.

A **conditional approval** will be granted to the submission of **the planned first phase 45 turbine layouts with the turbine structures restricted of 165m in total height**, which will be subjected to an in-depth assessment turbine layout in accordance with Civil Aviation Technical Standards. On Completion of the project and receipt of “as built” detail and a statement of compliance to specified conditions, the SACAA will provide a **final approval**.

Take note: that the conditional approval will be valid for a period of 5 years from the date of issue

Yours truly,



Harry Roberts

Obstacle Specialist

PANS-OPS (Procedures for Air Navigation Services – Aircraft Operations)

Air Navigation Services

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Email: robertsh@caa.co.za | www.caa.co.za



TO WHOM IT MAY CONCERN

SUPPORT FOR WIND ENERGY DEVELOPMENTS: BOULDERS WIND FARM

The Department of Economic Development & Tourism (DED&T) has been briefed by the developers of the Boulders Wind farm near Vredenburg in the Saldanha Bay Local Municipality, and we understand that this project is currently in the environmental impact assessment (EIA) phase. As is prescribed for the national Renewable Energy Independent Power Producer Procurement Programme (REIPPPP), all intended bidders must conclude an EIA before being eligible to bid into the programme.

The Western Cape Government has identified investment in alternative sources of energy and job creation as key priorities for the Province – we believe that the renewable energy sector in particular could continue to add to the diversity of energy supply in the province. A healthy renewable energy market provides manufacturing, installation and maintenance opportunities, which supports job creation. It also presents an opportunity for investment in communities through the social investment requirements in the REIPPPP. In light thereof, we have supported the development of skills programmes aimed at supporting the renewable energy sector, as well as ensuring that we play an active role in lobbying national government around policies that support the development of this sector.

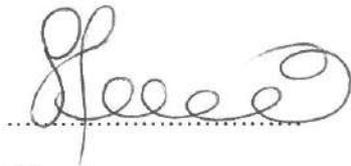
DED&T has also spearheaded efforts to attract a range of market participants to the region – project developers, original equipment manufacturers as well as suppliers to these OEMs along an extended value chain. An example of the province's efforts relates to amendments to the Land Use legislation to facilitate environmental responsibility on the side of project developers within the bounds of projects' financial feasibility.

We support the development of wind energy projects in areas where the resource is good, and where a range of other factors are favourable – examples of these would be available Eskom grid capacity and ease of grid connection, well-established transport infrastructure that facilitates transportation of the wind energy facility components to site. These conditions contribute to the competitiveness of projects in the region.

Importantly, we support proper environmental impact assessment – and compliant management of that impact. Therefore, the Western Cape Department of Environmental Affairs & Development Planning plays its role fully in ensuring that renewable energy developments do not impact disproportionately on the environment.

In light of our commitment to a transition to a greener future, and in light of the socio-economic benefits that the renewable energy programme could bring to the region, we express our support for the Boulders Wind Farm. This support does not place any obligation on the Western Cape Government in respect of the proposed wind farm, and rests on the proviso that the Boulders Wind Farm complies fully with all necessary regulatory and environmental requirements.

Yours Faithfully

A handwritten signature in black ink, appearing to read 'S Fourie', written over a horizontal dotted line.

S Fourie
Head of Department
Department of Economic Development and Tourism

Date: 11/12/2017



11 September 2017

Mr J. Visser
Integrated Wind Power (Pty) Ltd
jonathanv@iwpower.co.za

Dear Mr Visser

RE: SALDANHA BAY MUNICIPALITY : RENEWABLE ENERGY

Your meeting of writer refers.

It is hereby confirmed that Council is in favour of the accomplishment of cost effective renewable energy and particularly, against the backdrop of the Municipality's strong industrialization and economic growth agenda.

Saldanha Bay Municipality, therefore, supports any efforts to generate additional and cheaper electricity.

Kind Regards.



DR PIERRE VOGES
MUNICIPAL MANAGER



School of Geography, Archaeology and Environmental Studies

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Mr. Jonathan Visser
Vredenburg Windfarm (Pty) Ltd.
First Floor, 18 Cavendish Street, Claremont, Cape Town 7708

1 December 2017

Re: Kasteelberg archaeological sites and the Boulders Wind Farm project

Dear Jonathan,

I have received your mail concerning the Boulders Wind Farm project and note that you are considering the placement of turbines away from the hill Kasteelberg and do not intend to place any turbines onto the archaeological sites.

Obviously, there are unknown archaeological sites in this landscapes and any of the construction work associated with the turbine installations may uncover new finds. This risk will no doubt be mitigated in any permit application by a standard clause requiring the attention of an archaeologist when such matters arise.

In general, my opinion is that as long as no turbines and associated infrastructure are constructed anywhere higher than the 80 m (above sea level) contour line of the hill Kasteelberg on the Farm Rooiheuwel side, there will be no significant damage to the unique archaeological evidence for precolonial herding societies found on this hill. On the Farm Uitkomst side of the hill, archaeological sites are located lower on the slopes and no construction should take place there above the 40 m contour line.

With all best wishes,

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'K. Sadr'.

Professor Karim Sadr



Datum | Date: 16 November 2017

U Verw | Your Ref:

OnsVerw | Our Ref: G JONKER/Maretha Morkel

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REG NR.1997/014807/21 | VAT NR | BTW NR 4950174948
 Attorneys | Notaries | Conveyancers | Appraisers
 Prokureurs | Notarisse | Akteutmakers | Taksateurs

THE BOULDERS WIND FARM PROJECT

On behalf of
 The Trustees of the Bester Eiendomme Trust
 Number IT615/96

LETTER TO PROMOTE AND SUPPORT THE BOULDERS WIND FARM PROJECT

I, Thomas Nicolaas John Bester with identity number 5308035109083, in my capacity as a Trustee of the Bester Eiendomme Trust is contractually bound and support the proposed Boulders Wind Farm project for the following reasons, which are stipulated hereunder:

1. We all know that there is currently a long term deficiency in the generation of sufficient energy;
2. The long term energy demand in South Africa will escalate in excess to the supply;
3. Boulders Wind Farm will produce a product which is renewable clean energy;
4. Considerably less and minimum carbon emissions off set in producing renewable energy;

Direkteure | Directors

Stephanus Philippus Geldenhuys (B.PROC)
 Gerhard Jonker (B.PROC) (LLB)

Bygestaan deur | Assisted by

Merald Mostert (LLB)
 Lizette Van Reenen (BA) (B.PROC)
 Hennie le Roux (B.JURIS) (LLB)

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5. Wind power is one of the cheapest energy sources for the country;
6. Boulders Wind Farm will enhance community development within a 50 km radius of the project;
7. If Boulders Wind Farm is allowed to tap into the existing grid it will result in an increase in contribution of clean energy in the Western Cape;
8. The wind turbines will have no adverse effect on the areas below the turbines, farmland can still be used for farming and additionally increases the sustainability of such, by way of revenue diversification;
9. Existing and future wind farms do not contribute to the production of Green-house gasses like existing coal and diesel generation plants;
10. Boulders Wind Farm will contribute in the creation of jobs in manufacturing, construction, operation and maintenance of the project;
11. The production of wind energy will contribute to a long term stimulation of the economy of the area, region and country.

For reasons as above I have already committed myself as well as the Trust property to the possibility of generation of wind energy.

Kind Regards

Mr Thomas Nicolaas John Bester



Direkteure | Directors

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Gerhard Jonker (B.PROC) (LLB)

Bygestaan deur | Assisted by

Merald Mostert (LLB)
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Datum | Date: 15 November 2017

U Verw | Your Ref:

OnsVerw | Our Ref: G JONKER/Maretha Morkel

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REG NR. 1997/014807/21 | VAT NR | BTW NR 4950174948
 Attorneys | Notaries | Conveyancers | Appraisers
 Prokureurs | Notarisse | Akteuilmakers | Taksateurs

THE BOULDERS WIND FARM PROJECT

On behalf of
 Nicolaas Daniël Lombard

LETTER TO PROMOTE AND SUPPORT THE BOULDERS WIND FARM PROJECT

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1. We all know that there is currently a long term deficiency in the generation of sufficient energy;
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For reasons as above I have already committed myself as well as my farm for the possibility of generation of wind energy.

Kind Regards

Mr Nicolaas Daniël Lombard



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Uitkoms Boerdery Vredenburg (Edms) Bpk

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25 Oktober 2017

Brief van ondersteuning vir Boulders Wind Plaas Projek:

Ek, Pierre Heydenrych ondersteun die voorgestelde rotse Wind plaas vir die volgende redes en wil dit in aanmerking geneem word:

- Lang termyn energie aanvraag van Suid-Afrika;
- Hernubare skoon energie word geproduseer;
- Koolstof uitstoot verreken deur hernubare energie;
- Wind krag is een van die goedkoopste energiebronne vir die land;
- Gemeenskap ontwikkeling binne 'n 50km radius van die projek;
- Toename Wes-Kaapse bydrae tot Nasionale skoon energie;
- Die gebiede onder die wind plaas kan steeds gebruik word vir boerdery en Daarbenewens verhoog die volhoubaarheid van sodanige, by wyse van inkomste diversifikasie;
- Wind plase produseer nie groen-huis gasse nie;
- Wind plase skep werksgeleenthede in vervaardiging, konstruksie en in werking;
- Wind energie stimuleer die ekonomie van 'n gebied, Streek en land; en,
- Wind plase verminder aardverwarming & help om klimaatsverandering te bestry en die gepaardgaande nadelige impakte op boerdery;
- Ek boer al vir ongeveer 45 jaar in die omgewing en dit het nou vir my onmoontlik geraak om met enige vee hier te boer as gevolg van inwoners van Paternoster se honde wat my skape opvreet. Ek het die laaste 3 jaar ongeveer 450 skape verloor en ontvang geen hulp van enigiemand nie; Bykomende inkomste uit die windplaas kan help in die verskaffing van sekuriteit vir my vee.

- My skape word gesteel deur inwoners van Paternoster wat my drade knip en my eiendom betree waarvoor ek ook geen vergoeding of hulp ontvang nie; Bykomende inkomste uit die windplaas kan help in die verskaffing van sekuriteit vir my vee.
- Ek moet gereeld aanhoor dat die gebied bewaar en behoue moet word vir Toerisme terwyl my Boerdery inkomste daal en ek genereer geen inkomste vanaf die voordeel van Toerisme bedryf nie, en ek moet nog steeds my belasting verpligtinge nakom ten opsigte van die Plaaslike Owerheid;
- Die direkte paaie vanaf my plase word stukkend gery deur die sogenaamde Toerisme bedryf terwyl my boerdery voertuie elke dag hierdie paaie moet gebruik en ek dit soms teen my eie onkoste moet instandhou; Bykomende inkomste van die windplaas kan my in hierdie verband help.
- Ons plantegroei ensv word meer beskadig deur die Toerisme as gevolg van die stof van die paaie en mense wat nie die grondpaaie kan bestuur nie en daarom tussen die landerye beland;
- Aardverwarming is besig om `n groter faktor in ons landbou in hierdie gebied te raak. Sonder ander bronne van inkomste, is dit nie meer vir my lewensvatbaar om met landbou voortegaan in hierdie gebied nie aangesien dit al hoe minder reën terwyl ons, ons verpligtinge teenoor ons skuldeisers moet nakom.
- Ek wil ook noem dat Windenergie goedkoper is as enige ander bron van energie wereldwyd en met die idee dat die Stad Kaapstad in `n regsgeving betrokke is met Eskom om krag direk van Privaat Ontwikkelaars aan te koop maak dit vir my nog meer sin om met die projek voor te gaan sodat almal die voordeel kan geniet deur goedkoper krag terwyl Eskom die monopolie het met sy huidige tarief verhogings.
- Bogenoemde faktore sal dit my genoodskaap om mense af te dank om dat dit nie meer Ekonomies lewensvatbaar is nie, maar die Windenergie sal dit verhoed en vir ons `n groot Ekonomiese inspuiting wees.

Bogenoemde redes is vir my van uiterse belang om die bogenoemde projek te ondersteun ek hoop en vertrou dat hierdie projek suksesvol gaan wees.

Vriendelike groete,



Pierre Heydenrych

6 November 2017

CAPE CHAMBER'S SUPPORT OF RENEWABLES

The Chamber considers the role of renewables as a crucial element in the 'energy mix', and an essential component in the provision of energy that is both cost-effective and reliable.

Although there are a number of renewable alternatives to coal and nuclear, the role that wind energy plays is a substantial one with many advantages.

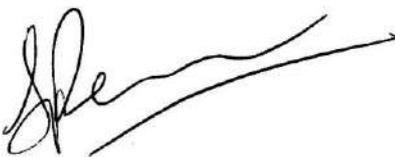
Wind energy is 'clean' energy, producing no greenhouse gases, and is one of the most cost effective energy sources available.

In addition, it stimulates the economy by providing employment in manufacture, construction and operation, as well as allowing for revenue diversification for land owners.

The establishment of strategically placed renewable energy resources such as the Boulders Wind Farm supports the transition of our energy generation efforts to a lower fossil fuel dependent economy.

Subject to the completion of a thorough Environmental Impact Assessment, with any negative effects sufficiently mitigated, we believe the establishment of wind farms is good for both the environment and the economy.

Yours sincerely



SID PEIMER
EXECUTIVE DIRECTOR

CAPE CHAMBER
OF COMMERCE & INDUSTRY
PO Box 204, Cape Town, 8000
4th Floor
33 Martin Hammerschlag Way
Foreshore, 8001, South Africa

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Executive Director: Sid Peimer

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Facebook: CapeChamberOfCommerce



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Making progress possible. Together.

ENERGY

Kadri Nassiep
EXECUTIVE DIRECTOR: ENERGY

T: +27 21 400 5143
E: Kadri.Nassiep@capetown.gov.za
Ref. No: EDE/nj/KN/0015

15th November 2017

Mrs. Candice Evans
Boulders Wind Farm
Vredenburg Wind Farm (PTY) Ltd.
First Floor, 18 Cavendish Street,
Claremont,
Cape Town,
7708

E-mail: candice.evans@enercon.de

By E-mail:
Then By Post

Dear Mrs. Evans

LETTER OF SUPPORT: CITY OF CAPE TOWN FOR THE BOULDERS WIND FARM

The City of Cape Town considers the role of renewables as a crucial element in the 'energy mix', and an essential component in the provision of energy that is both cost-effective and reliable. Although there are a number of energy sources and associated electricity generation technologies, the role that wind energy plays is substantial with many advantages.

Wind energy is 'clean' energy, producing no greenhouse gases, and is one of the most cost effective energy sources available. In addition, it stimulates the economy by providing employment in manufacture, construction and operation, as well as allowing for revenue diversification for land owners. The establishment of strategically placed renewable energy resources such as the Boulders Wind Farm supports the transition of our energy generation efforts to a lower fossil fuel dependent economy.

Subject to the completion of a thorough Environmental Impact Assessment, with any negative effects sufficiently mitigated, we believe the establishment of wind farms is good for both the environment and the economy.

Yours sincerely

Kadri M. Nassiep
Executive Director (Energy)

Mr Ryno Summers
Home Kompasstreet 56 Paternoster
Telephone : +27 0844308574
E-mail: ryno.summers@gmail.com

Date: 29/09/2017

Letter of support for Boulders Wind Farm Project:

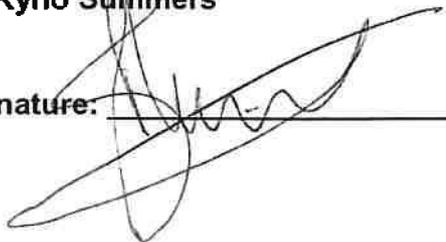
I, Ryno Summers support the proposed **Boulders Wind Farm** for the following reasons and would like for the following to be taken into account:

- Long term energy demand of South Africa;
- Renewable clean energy produced;
- Carbon emissions offset by renewable energy;
- Wind power is one of the cheapest energy sources for the country;
- Community Development within a 50 km radius of the project;
- Increase Western Cape contribution to national clean energy;
- The areas below the wind farm can still be used for farming;
- Wind farms do not produce green-house gasses;
- Wind farms create jobs in manufacturing, construction and in operations;
- Wind energy stimulates the economy of an area, region and country; and,
- Wind farms reduce global warming;

Kind regards,

Mr Ryno Summers

Signature: _____

A handwritten signature in black ink, appearing to be 'Ryno Summers', written over a horizontal line. The signature is stylized and somewhat cursive.



**Western Cape
Government**

Transport and Public Works

Transport Administration and Licensing

E-mail: michael.gallant@westerncape.gov.za

Tel.: +27 21 483 2058 Faks: +27 21 483 7103

PO Box 2603, Cape Town, 8000

R2-23, 9 Dorp Street, Cape Town, 8001

Reference: TPW 13/2/22/R

RE: Department of Transport – No objection to the establishment of the Boulders Wind Farm

We, the Department of Transport, hereby state that we have no objection to the development of the Boulders Wind Farm currently being developed by the company Vredenburg Windfarm (Pty) Ltd.

The well-established transport infrastructure within the area the site is located, allows for less transport challenges during construction, as opposed to very remote mountainous sites. This we consider favourable to the provincial road network, i.e. reducing physical transport route impact and transport logistics impact.

We acknowledge that our stance of no objection allows for projects in the Western Cape to be competitive on a national level in the Department of Energy's Renewable Energy Independent Power Producer Programme (REI4P).

We note that in the establishment of the Boulders Wind Farm, there will be beneficial community ownership, job creation during construction and operation, Social Economic Development and also Enterprise development revenue spent within the surrounding community as part of the REI4P. This economic development value created will help support the Province and the critical needs in the local community.

It must however be noted that while we support the implementation of renewable energy and economic development, we insist that a thorough Environmental Impact Assessment is completed and any harmful environmental effects be mitigated where economically feasible. Furthermore, the Department should be timeously consulted on the exact route(s) and transport which requires to be operated under exemption permits in terms of national road traffic legislation.

Lastly, we acknowledge the growing global climate change challenges and the effects of these challenges on the larger environment and agriculture industry. We support the transition of South Africa towards a lower fossil fuel/carbon driven economy.

Yours faithfully

MJ GALLANT
DIRECTOR: TRANSPORT ADMINISTRATION AND LICENSING
Date: 19 March 2018

Lisa Opperman

From: Eugene Marais <Eugene.Marais@mainstreamrp.com>
Sent: Monday, January 15, 2018 1:25 PM
To: Jonathan Visser
Subject: RE: Nooitgedacht Wind Energy Facility Development Status

Hi Jonathan,

All the best for 2018!

Just let me know when you want to meet to discuss Nooitgedacht in more detail.

Regards

Eugene Marais
Senior Development Manager:
Africa New Markets

Tel: +27 (0)21-657 4052
Mob: +27 (0)73-871 5781

 please consider the environment - do you really need to print this email?

From: Jonathan Visser [mailto:jonathanv@iwpower.co.za]
Sent: 19 December 2017 11:23
To: Eugene Marais <Eugene.Marais@mainstreamrp.com>
Subject: Nooitgedacht Wind Energy Facility Development Status

Dear Eugene,

I trust that you are well. Thank you for the quick chat on the phone.

As discussed, I left ENERCON earlier this year to look at developing embedded wind energy projects. I am working on two single turbine projects and giving the development process of these small projects a try, but am still open to consultancy and helping with development activities. As such ENERCON asked me to help them with a project that they were involved with near Vredenburg which is near a Mainstream DEA authorised site called Nooitgedacht.

Thank you for the information about your project on the phone. It seems that the radar has issue has shelved your development and many others in the area. I will discuss your project details and authorisation for 4 turbines with the project team and get back to you with more feedback. Lets chat in the new year!

Have a wonderful Christmas and New Year.

Kind Regards,

Jonathan Visser

Integrated Wind Power (Pty) Ltd.

Tel: +27 (0) 73 268 7797
Email: jonathanv@iwpower.co.za
Website: www.iwpower.co.za



Lisa Opperman

From: Luc Desender <luc.desender@biopower.be>
Sent: Thursday, February 22, 2018 10:01 AM
To: Lovely Botardo
Cc: Jonathan V; guy.de.clercq@dcf.be; Luc.Versluys@electrawinds.be
Subject: RE: Electrawinds Seeland - St. Helena Project Status

Hello Lovely

As far as I hear today the project has not been abandoned by Electrawinds.

Luc Desender

T: +32(0)59 70 08 98

A: Solvaylaan 9, 8400 Oostende

E: luc.desender@biopower.be

W: www.biopower.be



Notice my new email address – please use this address for all further communication

Van: Lovely Botardo [mailto:iwpower.assistant@gmail.com]
Verzonden: donderdag 22 februari 2018 8:33
Aan: Luc Desender <luc.desender@biopower.be>
CC: Jonathan V <jonathanv@iwpower.co.za>; guy.de.clercq@dcf.be; Luc.Versluys@electrawinds.be
Onderwerp: Re: Electrawinds Seeland - St. Helena Project Status

Hi Luc!

This is a friendly follow up on behalf of **Jonathan Visser**:

I am currently helping ENERCON with a project that they were involved with near Vredenburg which is near Electrawinds's St Helena DEA authorised site. I understand that the radar issue from the air force put a stop to a lot of projects in that area. We are now working on the Scoping of this Vredenburg project and want to understand the cumulative impact on the environment by projects in the vicinity. We know that some of these projects are quite old and as such want to confirm if they are still being considered/developed. Will you be able to give us confirmation that this project is no longer being considered?

Looking forward to hearing from you! I hope you're having a nice day! :)

Kind Regards,

Lovely Botardo (Admin)

Integrated Wind Power (Pty) Ltd.

Tel: +27 (0) 73 268 7797

Email: iwpower.assistant@gmail.com

Website: www.iwpower.co.za

