### Appendix C10

- Scoping Phase Public Meeting



21 June 2017 DEA Ref: To be Confirmed

Dear Interested and Affected Party:

#### RE: NOTIFICATION OF PUBLIC MEETING VENUE – HUTCHINSON TOWN HALL, NOUPOORT FOR THE PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITIES AND ASSOCIATED GRID CONNECTIONS, NORTHERN AND EASTERN CAPE PROVINCES

Arcus has been appointed to conduct the required public participation processes (PPP) for the proposed developments. As part of the public participation process, Arcus will be hosting a **Public Meeting**. You are invited to attend this meeting. The purpose of this meeting is to provide you with information regarding the proposed developments and to record any questions or comments that you may have on the projects.

The details regarding the meeting are as follows:

| Date                                | Details   |
|-------------------------------------|---|
| Thursday 29 <sup>th</sup> June 2017 | <ul><li>Venue: Hutchinson Town Hall, Corner Shaw Street and Murray Street, Noupoort 5950.</li><li>Time: 17h00 – 18h30</li></ul>   |
|                                     | <b>Structure of Meeting</b> : A short presentation will be given introducing the proposed development. A facilitated questions and comments session to follow after the presentation. |

Should you be interested in attending this meeting and for catering purposes please RSVP as soon as possible, details provided below:

#### **Arcus Consultancy Services Ltd**

Tel: +27 (0) 21 412 1529 / Fax: +27 (0) 86 609 7327 Postal address: Office 220 Cube Workspace Cnr Long Street and Hans Strijdom Road, Cape Town 8001 Email: <u>sankraal@arcusconsulting.co.za</u>, or <u>phezukomoya@arcusconsulting.co.za</u>

Please feel free to contact the undersigned should you have any queries.

Kind Regards,

Ashlin Bodasing

### San Kraal and Phezukomoya WEFs

### Email Delivery Receipts – Public Meeting Invitation Sent to I&APs



Wed 21/06/2017 11:03 sankraal

NOTIFICATION OF PUBLIC MEETING VENUE - HUTCHINSON TOWN HALL, NOUPOORT

To sankraal

Cc fauntyg@vodamail.co.za; pia@drugalarm.co.za; drmurray@xsinet.co.za; andre@neserattorneys.co.za; transkaroo@eik.co.za; paardevlei@adsactive.com; r\_langenhoven@yahoo.com; wolwekop@gmail.com; rooipoort@adsactive.com; n.paardevlei@gmail.com; carltonheightsguesthouse@gmail.com; cvanhuyssteen@danielpienaar.co.za

This message was sent with High importance.

Message 🍡 Public Meeting Invite\_Updated Venue.pdf (214 KB)

Dear Interested and Affected Party,

#### RE: NOTIFICATION OF PUBLIC MEETING VENUE – HUTCHINSON TOWN HALL, NOUPOORT - FOR THE PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITIES AND ASSOCIATED GRID CONNECTIONS, NORTHERN AND EASTERN CAPE PROVINCES

Please find attached the updated Public Meeting Invite, indicating the Meeting Venue.

Please do not hesitate to contact me should you have any queries with the abovementioned.

Kindest Regards,

Anna Crisp Junior Consultant

Tel: +27 (0) 21 412 1529 Email: <u>AnnesleyC@arcusconsulting.co.za</u>



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#### RE: NOTIFICATION OF PUBLIC MEETING VENUE – HUTCHINSON TOWN HALL, NOUPOORT - FOR THE PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITIES AND ASSOCIATED GRID CONNECTIONS, NORTHERN AND EASTERN CAPE PROVINCES

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Kindest Regards,

Anna Crisp Junior Consultant



Bcc 'nwabisa.qwanyashe@dmr.gov.za'; 'Nokuthula.Mbeje@energy.gov.za'; 'precian@gcis.gov.za'; 'MmaphakaT@daff.gov.za'; 'Malebo.Baloi@drdlr.gov.za'; 'Ramaleho.saila@drdlr.gov.za'; 'DGOffice@drdlr.gov.za'; 'Modakanep@dwa.gov.za'; 'belepeg@dot.gov.za'; 'nozipho@doc.gov.za'; 'bbaduza@sahra.org.za'; 'mpela@umsobomvumun.co.za'; 'pikely@telkomsa.net'; 'amabunda@grand.ncape.gov.za'; 'norns@ncpg.gov.za'; 'jbetersen@ncpg.gov.za'; 'jacolineM@daff.gov.za'; 'thatelo@salga.org.za'; 'fortue@ece@.ncpg.gov.za'; 'gmothibi@ncpg.gov.za'; 'vmothibi@ncpg.gov.za'; 'sunday.mabaso@dmr.gov.za'; 'beleve@l.gov.za'; 'bratelo@salga.org.za'; 'fortue@ece@t.cape.gov.za'; 'fezeka.boyi@dedea.gov.za'; 'Zukiswa.Ngwane@dpw.ecape.gov.za'; 'lerato.sebiloane@eclgta.gov.za'; 'luntEH@ecdhs.gov.za'; 'tori.manyisana@gr.ecprov.gov.za'; 'ov.za'; 'LuntEH@ecdhs.gov.za'; 'luntEH@ecdhs.gov.

This message was sent with High importance.

Message 🌐 🗾 Public Meeting Invite\_Updated Venue.pdf (214 KB)

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Kindest Regards,

Anna Crisp Junior Consultant

Tel: +27 (0) 21 412 1529 Email:sankraal@arcusconsulting.co.za



- To sankraal
- Bcc 'angie.majongile@dot.ecprov.gov.za'; 'Mathemba.Gcasamba@drdlr.gov.za'; 'MakhanyaP@dwa.gov.za'; 'Azwihangwisi.Mulaudzi@dmr.gov.za'; 'Indelantle@gcis.gov.za'; 'Indiggitt@sahra.org.za'; 'mura@iafrica.com'; 'john.geeringh@eskom.co.za'; 'rudzani.memukula@wessa.co.za'; 'dedie.seaton@transnet.net'; 'energy@dva.gov.za'; 'lourens@ewt.org.za'; 'strohl@caa.co.za'; 'Kleinhansm@nra.co.za'; 'ShawLS@telkom.co.za'; 'thembani.bukula@nersa.org.za'; 'andie.Gxasheka@nersa.org.za'; 'lourensl@ewt.org.za'; 'strohl@caa.co.za'; 'Kleinhansm@nra.co.za'; 'ShawLS@telkom.co.za'; 'thembani.bukula@nersa.org.za'; 'andie.Gxasheka@nersa.org.za'; 'lintethy@nbkb.org.za'; 'johan@sawea.org.za'; 'angiesessa.org.za'; 'lea@agrisa.co.za'; 'hea@agrisa.co.za'; 'hea@agrisa.co.za'; 'nakayam@athsc.co.za'; 'indel@wessa.co.za'; 'hea@agrisa.co.za'; 'hea@agrisa.co.za'; 'lea@agrisa.co.za'; 'angiesessa.co.za'; 'karonewsgroup@gmail.com'; 'abrahamsn@nra.co.za'; 'stahamsn@nra.co.za'; 'karonewsgroup@gmail.com'; 'stapenaar@snowisp.com'

This message was sent with High importance.

Message 🌐 💏 Public Meeting Invite\_Updated Venue.pdf (214 KB)

Dear Interested and Affected Party,

#### RE: NOTIFICATION OF PUBLIC MEETING VENUE – HUTCHINSON TOWN HALL, NOUPOORT - FOR THE PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITIES AND ASSOCIATED GRID CONNECTIONS, NORTHERN AND EASTERN CAPE PROVINCES

Please find attached the updated Public Meeting Invite now indicating the meeting venue.

Please do not hesitate to contact me should you have any queries with the abovementioned.

Kindest Regards,

Anna Crisp Junior Consultant

Tel: +27 (0) 21 412 1529 Email:sankraal@arcusconsulting.co.za



Message 📃 🎵 Public Meeting Invite\_AFR.pdf (215 KB)

Geagte Mnr van der Walt,

## INSAKE: KENNISGEVING VAN OPENBARE VERGADERINGSLOKAAL – HUTCHINSON STADSAAL, NOUPOORT – VIR DIE VOORGESTELDE SAN KRAAL EN PHEZUKOMOYA WINDKRAGFASILIETEIT EN GEASSOSIEERDE NETWERKVERBINDINGS, NOORD EN OOS-KAAP PROVINSIES.

Vind aseblief aangeheg die opgedateerde uitnodiging na die openbare vergadering, insluitent die gespesifiseerde lokaal.

Indien u enige vrae het in verband met die bogenoemde, kontak my gerus.

Ek hoop u het 'n wonderlike week verder.

Vriendlike Groete,

Anna Crisp Junior Consultant

# POD REGISTERED MAIL - PUBLIC MEETING VENUE UPDATE SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITIES Sent: 21/06/2017

Arcus Copy

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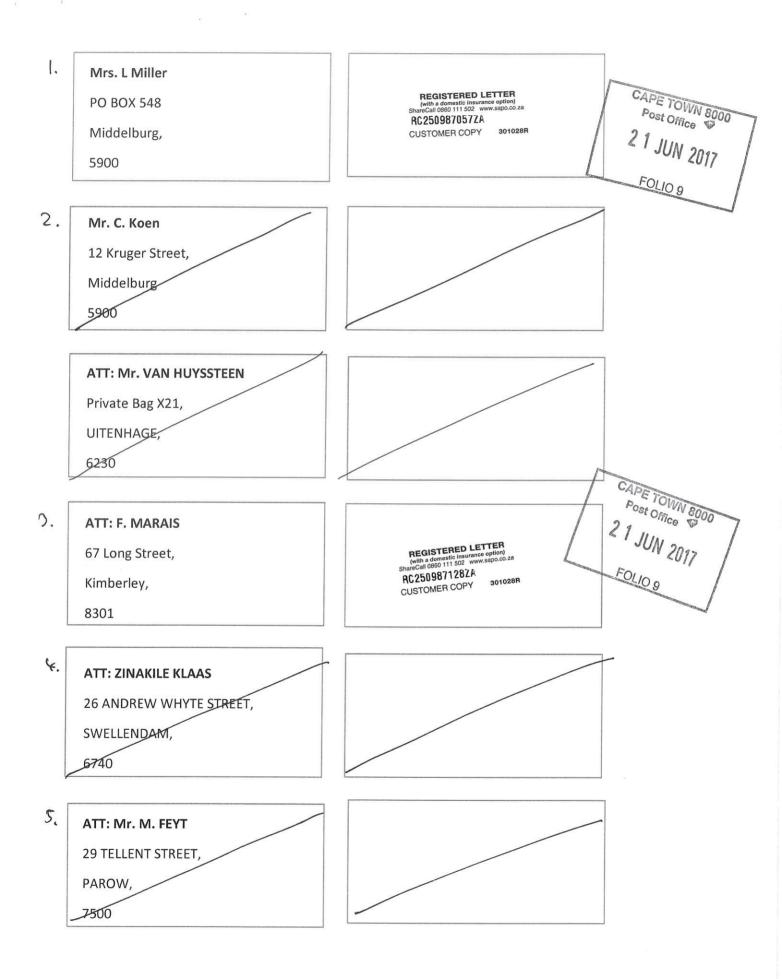
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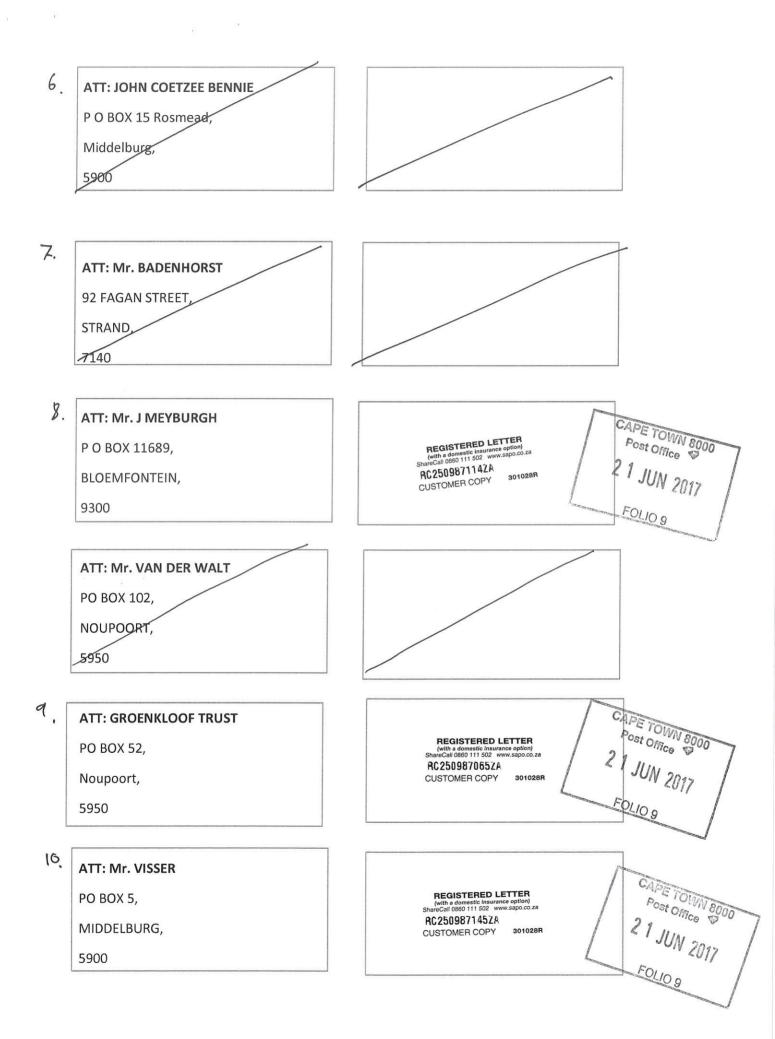
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We deliver, whatever it takes.

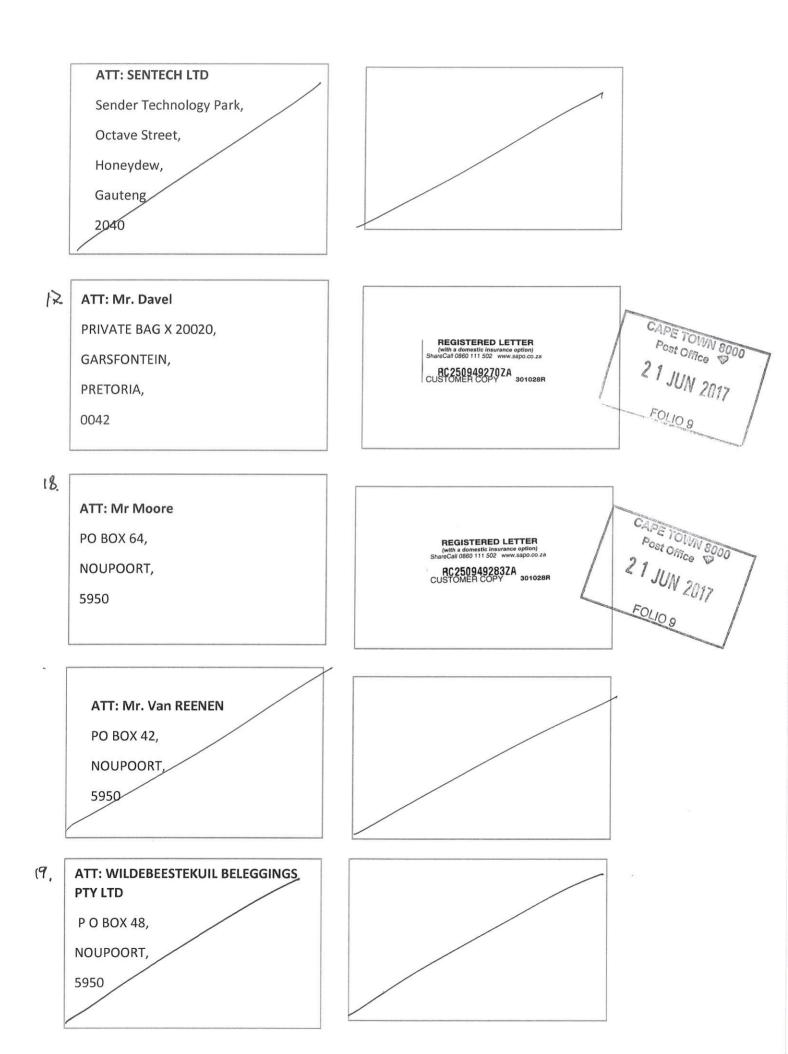
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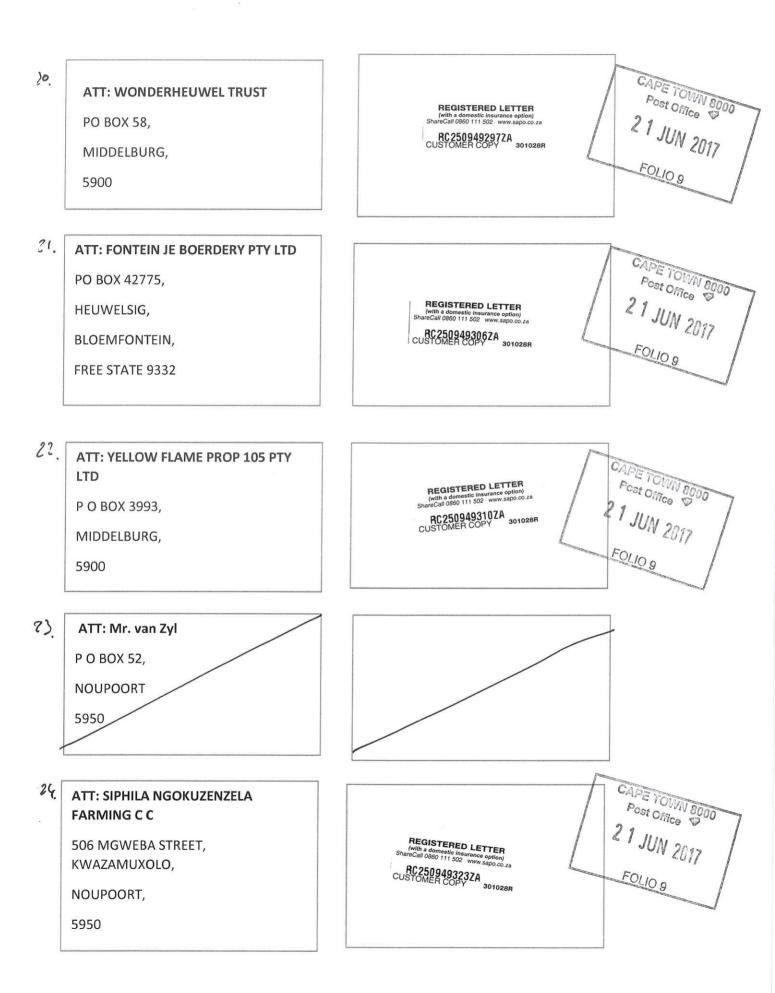
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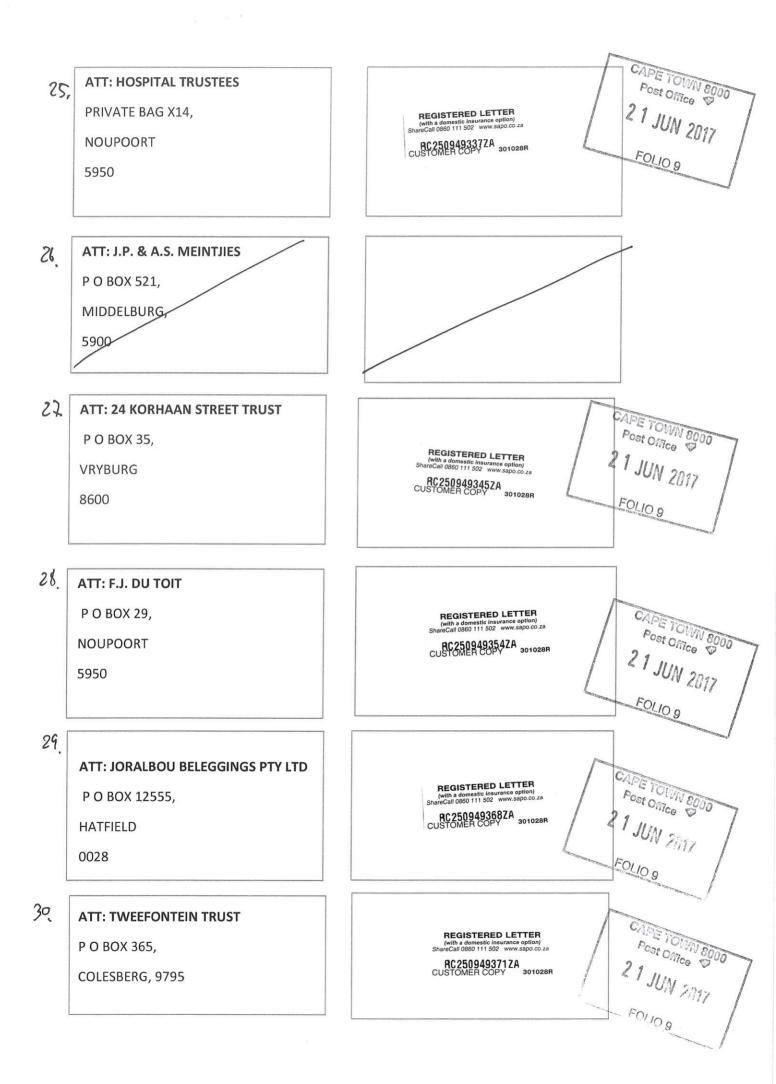


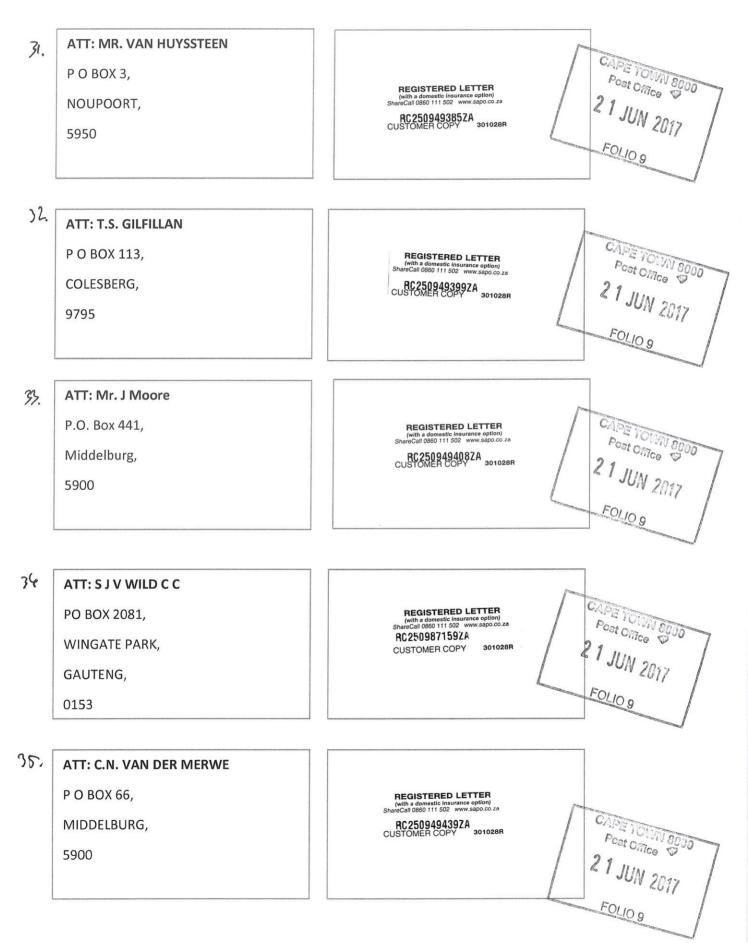


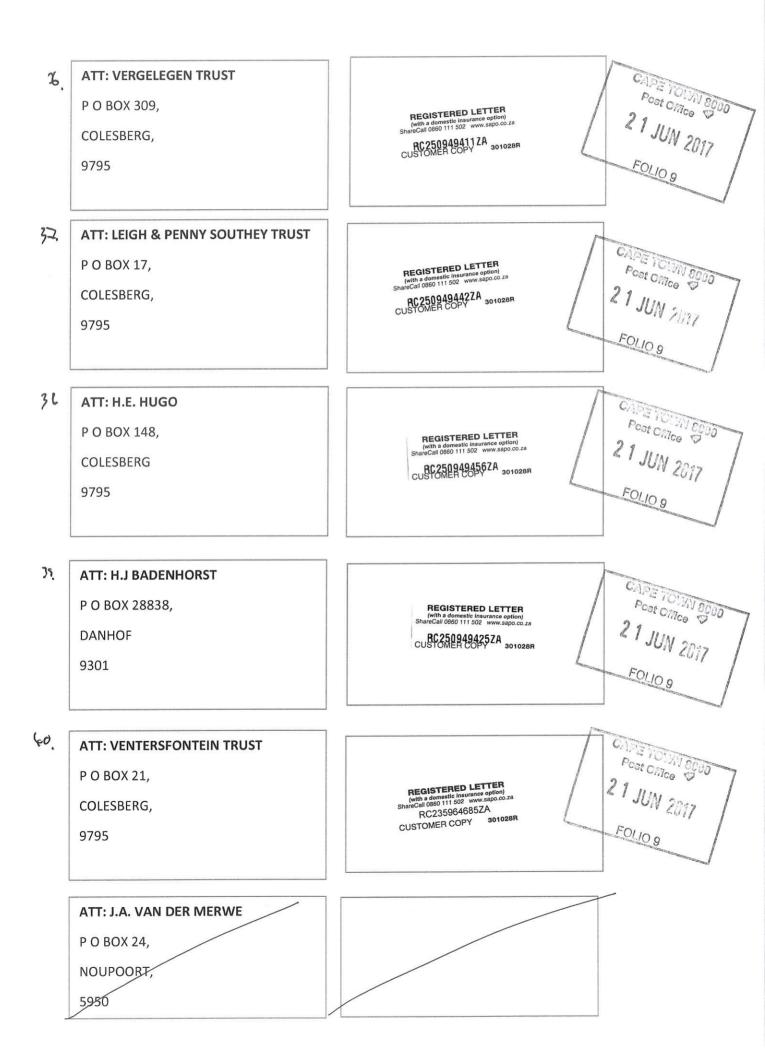
| îţ           | ATT: JJ VAN LINGEN FAMILY TRUST<br>PO BOX 12,<br>MIDDELBURG,<br>5900 | REGISTERED LETTER<br>(with a domestic insurance option)<br>ShareCall 0860 111 502 www.s8po.co.za<br>RC250987009ZA<br>CUSTOMER COPY 301028R  | CAPE TOWN 8000<br>Post Office 21 JUN 2017<br>FOLIO 9         |
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| 52.          | ATT: Mr. DU TOIT<br>PO BOX 145,<br>NOUPOORT,<br>5950                 | REGISTERED LETTER<br>(with a domestic Insurance option)<br>ShareGall 0860 111 502 www.sapc.co.za<br>RC 2509869922A<br>CUSTOMER COPY 301028R | CAPE TOWN 8000<br>Post Office \$2<br>2 1 JUN 2017<br>FOLIO 9 |
| 13           | ATT: MRS. VAN HEERDEN<br>PO BOX 451,<br>Middelburg,<br>5900          | REGISTERED LETTER<br>(with a domestic insurance option)<br>ShareCall 0880 111 502waso.co.aa<br>RC 250986900 ZA<br>CUSTOMER COPY 301028R     | CAPE TOWN 8000<br>Post omce 21 JUN 2017<br>FOLIO 9           |
| 14           | ATT: Mr. BALLARD<br>PO BOX 2,<br>NOUPOORT,<br>5950                   | REGISTERED LETTER<br>(with a domestic insurance option)<br>ShareCall 080 111 502 www.sapo.co.za<br>RC250986913ZA<br>CUSTOMER COPY 301028R   | CAPE TOWN 8000<br>Post Office V<br>21 JUN 2017<br>FOLIO 9    |
| (5.          | ATT: Ms. A. Van Der Merwe<br>PO BOX 438,<br>MIDDELBURG,<br>5900      | REGISTERED LETTER<br>(with a domestic insurance option)<br>ShareCall 0860 111 502 www.sapo.co.za<br>RC2509492662A<br>CUSTOMER COPY 301028R  | CAPE TOUNN 8000<br>Post Office &<br>21 JUN 2017<br>FOLIO 9   |
| <i>ا</i> ر [ | ATT: Mr. VILJOEN<br>P O BOX 37555,<br>BLOEMFONTEIN,<br>9330          | REGISTERED LETTER<br>(with a domestic Insurance option)<br>ShareGall 0860 111 502 www.sapo.co.aa<br>RC2509492522A<br>CUSTOMER COPY 301028R  | CAPE TOWN 8000<br>Post Office Q<br>21 JUN 2017<br>FOLIO 9    |













#### Arcus Project Number 2244 and 2245

Proposed San Kraal and Phezukomoya Wind Energy Facilities and Associated Grid Connection Infrastructure

#### **Minutes of Public Meeting**

Venue: Hutchinson Town Hall, Noupoort

#### Date: 29 June 2017

#### Time: 17:15

Attendees: see attached attendance register Project Team: Ashlin Bodasing (AB) –Arcus EAP Anja Albertyn (AA) – Arcus EAP Etienne Albertyn (EA) Arcus Translator Sanele Maphanga (SM) – InnoWind Applicant Sheldon Vandrey (SV) - InnoWind Applicant

|   | <b>Question/Comment</b> | Notes  | Response  |
|---|-------------------------|--|---|
| 1 |                         | AA welcomed all attendees and introduced the project team. She proceeded to<br>explain the format of the meeting presentation. The common processes will be<br>combined (the Environmental Impact assessment (EIA) process, the public<br>participation process) each project will be discussed separately, with separate<br>question and answer sessions. |   |
| 2 |                         | San Kraal Question and Answer Session  |   |
| 3 | Q                       | Where are the turbines going to be, whose land will the turbines be on?  | SM pointed out the land owners of the San<br>Kraal project on the presentation map. The<br>project site is approximately 6 km from<br>Noupoort. |
| 4 | Q                       | Does the municipality own the largest land portions?   | Yes, for San Kraal they have more land portions.  |
| 5 | Q                       | Who does the trust belong to?  | Beskuitfontein Trust  |



| 6  | Q | Salinga Farmers Association lease land from the municipality, will the farmers' association benefit from the project?   | This will need to be addressed and discussed<br>with the municipality. This is not part of the<br>EIA process. |
|----|---|---|--|
| 7  | Q | How long will the entire process take?  | Between three to four years for the start of construction to be reached if the project is successful.          |
| 8  |   | AA continued with Phezukomoya Project description   |  |
| 9  |   | Phezukomoya Question and Answer Session   |  |
| 10 | Q | Could you point out who owns the farm portions?   | SM indicated on the map the owner of each land portion.  |
| 11 |   | No further comment or questions were received. AA thanked all for attending the meeting. AB mentioned that there are comments sheets available, should they have additional comments or questions. Closing date for submission of comments is 12 July 2017. There are also electronic copies of the Draft reports available on CDs.<br>AB thanked all for their attendance and participation, and mentioned that there are cool drinks available. |  |
| 12 |   | Meeting closed 17.50.   |  |



# **Attendance Register**

| San Kraal and Phezukomoya Wind Energy Facilities & Associated Grid Connections |                      |                           |             |  |  |  |
|--|----------------------|---------------------------|-------------|--|--|--|
| Public Meeting – Hutchinson Town Hall, Noupoort 5950                           |                      |                           |             |  |  |  |
|  | DATE: 29 June 2017   | from 17h00 - 18h30        |             |  |  |  |
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## **Attendance Register**

| San Kraal and Phezukomoya Wind Energy Facilities & Associated Grid Connections |                      |                          |              |  |  |  |  |
|--|----------------------|--------------------------|--------------|--|--|--|--|
| Public Meeting – Hutchinson Town Hall, Noupoort 5950                           |                      |                          |              |  |  |  |  |
| DATE: 29 June 2017 from 17h00 – 18h30  |                      |                          |              |  |  |  |  |
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| MICHAEL MALI   | PRIVATE              | 0629698353               | Hoff m.      |  |  |  |  |
| Vuyo Nkobongo  | SALINGA FRIMERS ASS  | 0735330530               | Nobert       |  |  |  |  |
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| SHELDON VANDREY  | LNNSWIND             | svandrey@innwind (an     | A Star       |  |  |  |  |
| Etienne Albertyn   | Arcus Consulting     | etiennea Chotmail-co.29  | TAthorn      |  |  |  |  |
| ABLIN Bodewing   | Arcus Consultay      |                          | (B)          |  |  |  |  |
| Anja Albertyn  | 11                   | anjaa@arcusconsultis.co. | e the AlbaMy |  |  |  |  |
| 1 (  | 20                   |                          |              |  |  |  |  |

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The Proposed San Kraal and Phezukomoya Wind Energy Facilities and Associated Grid Connections, Northern and Eastern Cape Provinces.

San Kraal Wind Power (Pty) Ltd Phezukomoya Wind Power (Pty) Ltd

# Project Team SARCUS

Environmental Assessment Practitioners: Arcus Consultancy Services South Africa Ashlin Bodasing; and Anja Albertyn.

Applicant: San Kraal Wind Power (Pty) Ltd & Phezukomoya Wind Power (Pty) Ltd



**SARCUS** 

WHY ENVIRONMENTAL IMPACT ASSESSMENT FOR THESE PROJECTS?

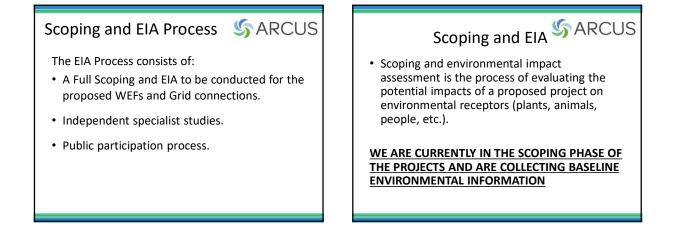
#### Introduction SARCUS This is a COMBINED presentation for TWO WIND ENERGY PROJECTS SAN KRAAL WEF & PHEZUKOMOYA WEF. Shared processes will be discussed first followed by the individual project descriptions and separate question and discussion sessions. Legal Requirer National Environmental Manage 107 of 1998), as amended in 20 GN No. R. 327 Listing Notice 1: 11) The development of facilitit transmission and distribution urban areas or industrial com more than 33 but less than 275 GN No. R. 325 Listing Notice 2: 1) The development of facilitit generation of electricity from

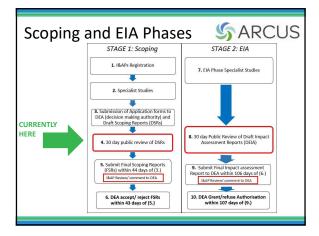


#### HOW DO WE ACHIEVE THE LEGAL REQUIREMENTS?

**SARCUS** 

WHAT IS SCOPING AND ENVIRONMENTAL IMPACT ASSESSEMENT?







#### **Specialist Studies** S ARCUS Bird Impact Assessment and 12 Month Pre-Construction Monitorin Chris van Rooyen Consulting: Chris van Rooyen Bat Impact Assessment and 12 Month Pre-Construction Monitoring Animalia Consultants: Werner Marais Terrestrial Ecological Impact Assessment (Fauna & Flora) Simon Todd Consulting: Simon Todd Heritage, Archaeology and Paleontology Impact Assessment ACO & Associates: Dr. Tim Hart in association with Dr John Almond Aquatic/Wetland Assessment Scherman Colloty & Associates: Dr. Brian Colloty Noise Impact Assessment Enviro-Acoustic Research: Morné de Jager Visual and Landscape Assessment Si Vest: Andrea Gibb and Kerry Schwartz Soils and Agriculture Agricultural Research Council: Garry Patterson Social Impact Assessment Tony Barbour Environmental Consultant and Researcher: Tony Barbour



**SARCUS** 

### WHAT IS PUBLIC PARTICIPATION AND WHY IS IT NEEDED?

#### Public Participation

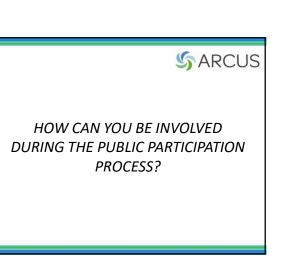


- PPP to be shared between both projects due to proximity of the sites (agreement with DEA).
- Interested and Affected Parties (I&APs) identified landowners, neighbours, Ward councillors, authorities and NGOs.
- Advertisements (22<sup>nd</sup> & 29<sup>th</sup> April 2016 the Herald and the Advertiser).
- Distribution of notification letters and Background Information Documents (April 2016).
- Site notices and posters boundaries of the WEFs and grid connection sites and in the town of Noupoort (April 2016).

**SARCUS** 

Public Participation Process The aim of the public process is to:

- inform I&APs about the proposed developments;
- obtain I&AP feedback comments, questions, issues, concerns (positive or negative); and
- address and investigate all issues raised and document these in the reports which are to be submitted to the DEA.



#### **Public Involvement**

**SARCUS** 

Reports for public review and comment.

Reports, including public comment, to be submitted to the DEA for a decision:

- Draft Scoping Report I&AP comment;
- Final Scoping Report submit to DEA with I&AP comments (I&AP also can comment on final reports);
- Draft Environmental Impact Assessment Report and Environmental Management Programme (EMPr) – I&AP Comment on these reports.
- Final Environmental Impact Assessment Reports and EMPr submit to DEA for decision, I&AP comment on the final reports.

#### ....Continued



- The project is in line with national, provincial and local planning and policy in terms of using renewable energy to combat climate change.
- Most importantly Noupoort has very good wind resource, which the applicant has been measuring for over two years.

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# WHY WIND ENERGY PROJECTS IN NOUPOORT?

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IF NOT WIND ENERGY IN NOUPOORT, THEN WHAT OTHER WAY TO MEET THE NEEDS?.....

#### Need and Desirability

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• Wind energy is considered an alternative to meeting the need for increased electricity demand over other sources of generation, such as fossil fuels.

Wind energy:

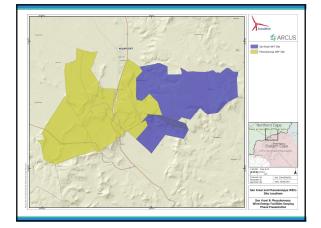
- Positive impact on climate change;
- Overcoming the country's energy constraints;
- Diversification and decentralisation of supply;
- Reduced costs of energy; and
- Positive economic development including job creation

ALTERNATIVES

- Alternative are different means of meeting the general purpose and need of a proposed development.
- PURPOSE FOR THESE PROJECTS Generation of electricity
- NEED FOR THESE PROJECTS Cleaner renewable sources of fuel.

# Alternatives Considered

- Alternative locations / sites
- Alternative activities agriculture/farming
- Alternative process or technology wind, solar, nuclear, coal
- No-Go Alternative no projects to be developed
- Alternative design / layout considered in this process
- Alternative grid connection routes



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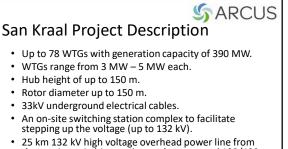
#### WHERE ARE THE PROJECTS LOCATED?

**SARCUS** 

THE SAN KRAAL WIND ENERGY FACILITY. WHAT IS IT AND WHAT DOES IT CONSIST OF?

San Kraal and Phezukomoya SARCUS Location

- Umsobomvu Local Municipality & Pixley ka Seme District Municipality (Northern Cape).
- Inxuba Yethemba Local Municipality & Chris Hani District Municipality (Eastern Cape).



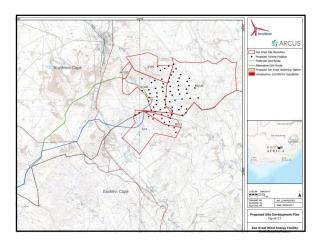
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## **SARCUS**

#### WHAT DOES THE SAN KRAAL PROJECT LOOK LIKE?

WHAT DID THE SPECIALISTS STUDIES FIND?



#### Specialist Studies

- Bats Collisions with turbines possible. 12 month monitoring concluded, and to be analysed in EIA Phase. Preliminary moderate and high sensitivity areas are identified. No turbines in highly sensitive areas.
- Birds Collisions, disturbance and displacement possible. 12 month monitoring concluded and to be analysed in EIA Phase. No turbines in highly sensitive areas.
- Ecology (Fauna and Flora) Moderately sensitive site; Presence of listed and endemic species low across site. Additional field verification required. No turbines in areas with very high sensitivity.
- Freshwater Ecology limited impact of low significance; WULAs required for river crossings.

# Supporting Infrastructure SARCUS

- Foundations and hardstands;
- Internal access roads;
- An operations and services workshop area/office building for control, maintenance and storage.
   During the construction phase the following will be required:
- Temporary infrastructure including a site camp;
- A laydown area for each turbine.

#### ....Cont.....

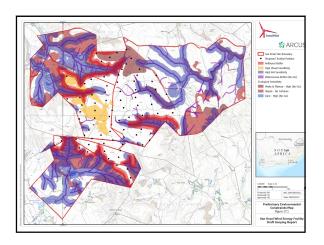
- Heritage Scenic impacts from N9 and railway likely; no red flags identified; The area is paleontologically sensitive.
- Noise Possible impact on Noise Sensitive Developments; measurements and modelling required.
- Social Potential positive social impacts (such as employment, Community Trust, generation of renewable energy) likely to outweigh potential negative social impacts (such as construction workers, stock theft, damage to roads).
- Visual alteration of area's visual character and potential impact on sensitive receptors. Visual receptors sensitivity still to be established.
- Soils Potential of soils for rain-fed cultivation is low to very low NO FURTHER STUDY REQUIRED

# S ARCUS

#### WHAT DO THE SPECIALIST FINDING LOOK LIKE?

### KEY ISSUES RAISED

- Impacts on listed and protected trees.
- Permits required for loss of certain plant species.
- Proposed turbines must clear radio links by 300m.
- Permission required from SANRAL if access from N9 required.
- Need for a cumulative impact assessment.
- Bird study to include cumulative assessment.
- Heritage impact assessment must consider sense of place.
- Impacts on value of surrounding properties.Compliance with international bird conservation agreements.





## S ARCUS

WHAT ARE THE KEY ISSUES SUBMITTED FOR SAN KRAAL FROM THE PUBLIC? **SARCUS** 

WHAT IS THE PHEZUKOMYA WIND ENERGY FACILITY AND WHAT DOES IT CONSITS OF?

#### Phezukomoya Project Description

- Up to 63 WTGs with generation capacity of 315 MW.
- WTGs range from 3 MW 5 MW each.
- Hub height of up to 150 m.
- Rotor diameter of up to 150 m.
- 33 kV underground electrical cables.
- An on-site switching station complex to facilitate stepping up the voltage (up to 132 kV).
- 15 km 132 kV high voltage overhead power line from the on-site switching station to the proposed Umsobomvu 400 kV Substation to the national grid.

# Supporting Infrastructure SARCUS

- Foundations and hardstands;
- Internal access roads;
- An operations and services workshop area/office building for control, maintenance and storage.

During the construction phase the following will be required:

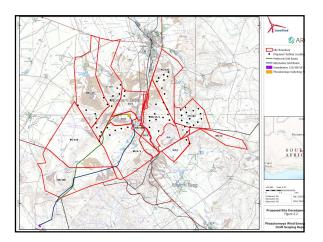
- Temporary infrastructure including a site camp;
- A laydown area for each turbine.

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#### WHAT DOES THE PHEZUKOMYA **PROJECT LOOK LIKE?**

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### WHAT DID THE SPECIALIST STUDIES FIND AT PHEZUKOMOYA?



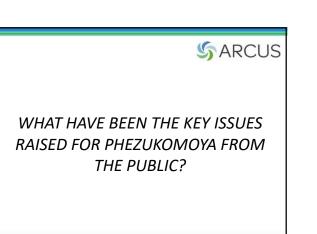
### **SARCUS** Specialist Findings **Bats** – Collisions with turbines possible. 12 month monitoring concluded, and to be analysed in EIA Phase. Preliminary moderate and high sensitivity areas are

- identified. No turbines in highly sensitive areas. Birds – Collisions, disturbance and displacement possible.
- 12 month monitoring concluded and to be analysed in EIA Phase. No turbines in highly sensitive areas.
- **Ecology (Fauna and Flora)** Moderately sensitive site; Presence of some listed and endemic species; Additional field verification required. No turbines in areas with very high sensitivity.
- Freshwater Ecology limited impact of low significance; WULAs required for river crossings.

#### Specialist Findings..

**SARCUS** 

- Heritage Scenic impacts from N9 and railway likely; no red flags identified; The area is paleontologically sensitive.
- Noise Possible impact on Noise Sensitive Developments; modelling required.
- Social Potential positive social impacts (such as employment, Community Trust, generation of renewable energy) likely to outweigh potential negative social impacts (such as construction workers, stock theft, damage to roads).
- Visual alteration of area's visual character and potential impact on sensitive receptors. Visual receptors sensitivity still to be established.
- Soils Potential of soils for rain-fed cultivation is low to very low NO FURTHER STUDY REQUIRED



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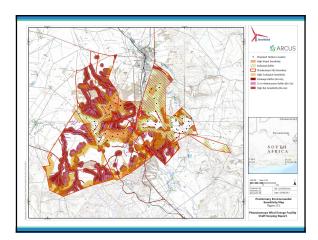
WHAT DO THE SPECIALIST FINDINGS AT PHEZUKOMOYA LOOK LIKE?

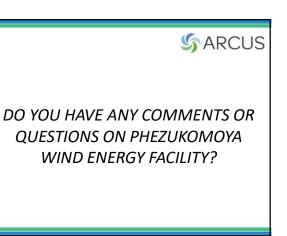
### Key Issues Raised

• Distance from Transnet property and national roads.

**SARCUS** 

- Impacts on listed and protected trees.
- Permits required for loss of certain plant species.
- Proposed turbines must clear radio links by 300 m.
   Permission required from SANRAL if access from N9
- required.
- Need for a cumulative impact assessment.
- Bird study to include cumulative assessment.
- Heritage impact assessment must consider sense of place.
- The Southern Great Escarpment should be used as a context for the bird study.
- Impacts on value of surrounding properties.
- Compliance with international bird conservation agreements.





#### WHAT HAPPENS NOW?

#### Plan of Study for EIA



The EIA Phase will include:

- Specialist assessment of alternative layouts;
- Specialist site visits, investigations and modelling;
- Public participation (comment on reports and public event, issues trail);
- Cumulative impact assessment; and
- Consultation with the DEA.

