

### **MEETING NOTES**

| Job Title      | BioTherm Wind EIA's  |
|----------------|--|
| Project Number | 47579  |
| DEA Reference  | 14/12/16/3/3/2/967   |
| Number:        | 14/12/16/3/3/2/963   |
|                | 14/12/16/3/3/2/962   |
| Date           | 23 February 2017   |
| Time           | 16:30  |
| Venue          | Community Hall, Matjiesfontein                                   |
| Subject        | Pubic Meeting for the Esizayo and Maralla Wind Energy Facilities |
| Client         | BioTherm Energy (Pty) Ltd  |
| Present        | See Appendix A   |
| Apologies      | None   |
| Distribution   | As above   |

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### MATTERS ARISING

### **1.0 WELCOME AND INTRODUCTION**

- 1.1 Ashlea Strong (AS) welcomed the local community and apologised that the presentation was not visible due to the light coming in from the windows.
- 1.2 AS introduced the project team and explained their roles.

### 2.0 SCOPING & EIA PHASE

- 2.1 AS: As we are at the beginning of the Project we are still conducting the Environmental Impact Assessment (EIA) Process. Following the granting of the Environmental Authorisation (EA) the project will be submitted into the next Renewable Energy Independent Power Producer Programme (REIPPP) bidding window. Therefore, it is still 2 to 3 years until the project commences, if it receives preferred bidder status.
- 2.2 AS stressed that this meeting was for the EIA Phase we are running and jobs are not yet available, as the project is not yet approved.

### 3.0 TECHNICAL DESCRIPTION & LOCATION

- 3.1 Mohammed Yusuf (MY) from BioTherm was asked to give an overview of the REIPPP and gave a short overview of BioTherm as company and that they have 3 existing operational facilities, 2 solar facilities in the Northern Cape and 1 WEF in the Western Cape.
- 3.2 MY: BioTherm are applying to build three WEFs. In order for us to do this we need to first obtain the EA. This is where we are now. Once we have the EA we will wait until the government announces a new bidding window and then BioTherm will submit their bid. We then wait for the government (Department of Energy) to select a preferred bidder and then the project will commence. This can take a number of years.
- 3.3 If BioTherm are awarded preferred bidder status for one of these 3 WEF then they will come back to the community and provide an update.

ACTION

| 3.4             | There are a number of other projects being planned in the area and any of them  |  |
|-----------------|---|--|
| J. <del>4</del> | may be awarded preferred bidder status. Right now we are just looking at the potential environmental impacts.   |  |
| 4.0             | IMPACT IDENTIFICATION AND ASSESSMENT  |  |
| 4.1             | Specialist Studies:   |  |
|                 | <ul> <li>Social, Land Capacity and Wetlands</li> <li>Biodiversity</li> <li>Avifauna</li> <li>Bats</li> <li>Heritage</li> <li>Palaeontology</li> <li>Visual</li> <li>Social</li> <li>Traffic</li> <li>Noise</li> </ul>   |  |
| 5.0             | PROJECT LOCATION  |  |
| 5.1             | AS gave a short overview about where the projects are located in terms of Matjiefontein location and which farms they are located on.   |  |
| 6.0             | PUBLIC PARTICIPATION PROCESS  |  |
| 5.1             | <ul> <li>Public Participation undertaken to date:</li> <li>Pre-application Consultation with DEA</li> <li>Newspaper adverts in: <ul> <li>The Courier (9 September 2016)</li> <li>Die Noordwester (8 September 2016)</li> </ul> </li> <li>Email notification of I&amp;APs</li> <li>Site Notices placed at the entrance to the site</li> <li>DSR for 30 day public review</li> <li>Public Meetings (Laingsburg and Sutherland)- we didn't realise that there was such a big community in Matjiesfontein so we decided to hold a meeting here this time</li> <li>DEIR out for 30 day comment and review (2 February – 2 March 2017). The document is available in the library.</li> <li>Public Meetings- this is where we are now. We have met with the municipalities already.</li> </ul> |  |
| 7.0             | DISCUSSION  |  |
| 7.1             | AS invited Simphiwe Kulu (SK) to come and talk about the socio-economic aspects of the projects.  |  |
| 7.2             | <ul> <li>SK: Under the REIPPP there are certain requirements the Preferred Bidder will need to meet. These include:</li> <li>&gt; Employment from the local community;</li> <li>&gt; Economic Development; and</li> <li>&gt; Enterprise Development.</li> <li>A percentage of the project revenue needs be committed to the local community.</li> <li>BioTherm focus on:</li> </ul>   |  |
| 7.3             | <ul> <li>Community upliftment</li> <li>Education</li> <li>BioTherm have existing operational facilities, 2 solar facilities in the Northern</li> <li>Cape and 1 WEF in the Western Cape. For these projects we have focused on developing the communities through education, welfare and training. We currently have 30 students with Bursary's under BioTherm's bursary programme.</li> </ul>  |  |

| MATT        | ERS ARISING  | ACTION |
|-------------|--|--------|
| 7.4         | AS: We have agreed to supply the municipality with a list of skills that would be required for a WEF, not just for BioTherm but any facility that will received preferred bidder status. The list of skills is included in <b>Appendix C</b> .   |        |
| 7.5         | MY: Please read over the documents that are at the library and then ask any questions you may have.  |        |
| 8.0         | QUESTIONS  |        |
| 8.1<br>8.2  | Community member (CM): How will the bursaries work?<br>SK: Bursaries are an example of one of the projects that we implement as part of<br>our socio-economic development initiatives for our current operational projects. A<br>project such as a bursary programme would only be implemented once the facility<br>becomes operational and is earning a revenue, where a certain percentage is<br>allocated for implementing socio-economic development projects in the<br>communities surrounding the project site. Making specific reference to our current<br>operational projects, the bursary programme is run internally. The programme is<br>advertised within the community through posters detailing information on the<br>bursary and inviting candidates that meet the criteria to apply. This is then<br>evaluated internally and all qualifying candidates are informed whether they are<br>successful or not. Please note that this was merely an example of the type of<br>projects that could be implemented and a decision of implementing such a project<br>is always dependent on the socio-economic needs of the community at a given<br>point in time. |        |
| 8.3         | AS: The attendance register that everyone signed will be used to notify the community if the project is awarded preferred bidder status and moves forward.   |        |
| 8.4         | CM: Can all information please be sent to Jerome as the information will stop at the municipality. We don't trust them.  |        |
| 8.5         | AS: Yes sure please make a mark next to Jerome's name so that we can contact him.  |        |
| 8.6         | CM: How many jobs will be created?   |        |
| 8.7         | MY: We don't know at this point. It varies with every project.   |        |
| 8.8         | CM: Is there an age restriction with jobs?   |        |
| 8.9<br>8.10 | MY: No not that they are aware of.<br>CM:Will these jobs and bursaries be separate from the municipality or will the   |        |
| 0.10        | municipality select the people?  |        |

8.11 MY: Yes it is separate from the municipality, BioTherm work directly with the community.

### 9.0 CLOSING

- 9.1 AS thanked the community for listening and reminded everyone to sign the attendance register to ensure that they are registered on the database
- 9.2 Meeting closed at 17:00.

### Appendix A: Attendance Register

| Name                       | Company Name | Contact Details        | Signature        |
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| LAREN JOKN                 |              | Mobile: OC 11 4 COS    | -                |
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| www.wspenvironmental.co.za |              |                        |                  |
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# ATTENDANCE REGISTER 23 February 2017

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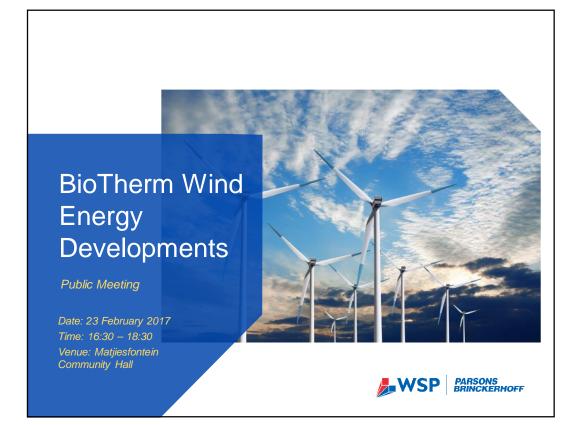
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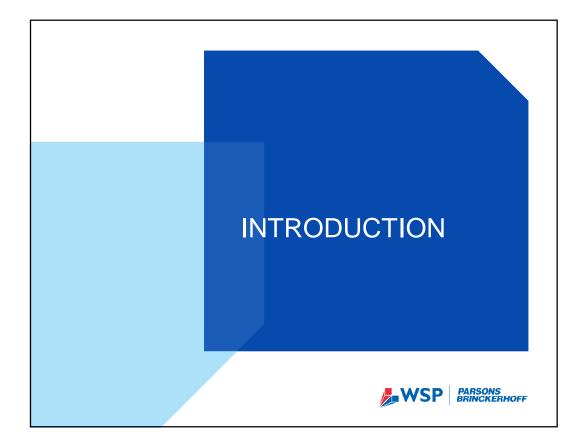
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| rdoile Olithiul            |              | Mobile: C79843886    | N. 0. W.                           |
|                            |              | Email:               |                                    |
| www.wspenvironmental.co.zo |              |                      |                                    |
|                            |              |                      |                                    |
|                            |              |                      | <b>WSP</b> PARSONS<br>BRINCKERHOFF |

### Appendix B: Presentation









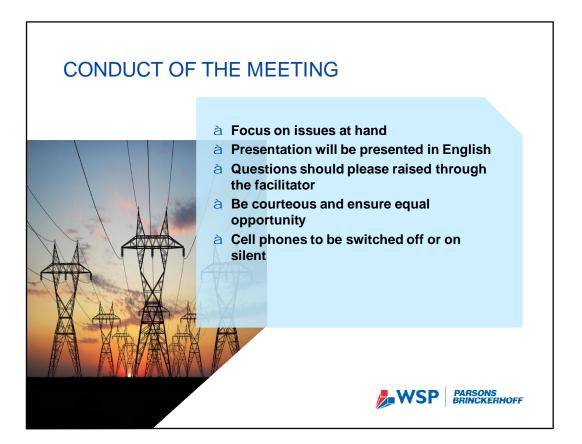
### PURPOSE OF THE MEETING

### a Provide stakeholders with information regarding:

- § The proposed project
- § The Environmental Impact Assessment (EIA) process to date
- § Findings of the Draft Environmental Impact Report (DEIR)
- Provide stakeholders with the opportunity to raise issues regarding the potential impacts of the project on the environment
- Provide an opportunity for stakeholders to interact with the project team

**WSP** 

PARSONS BRINCKERHOFF

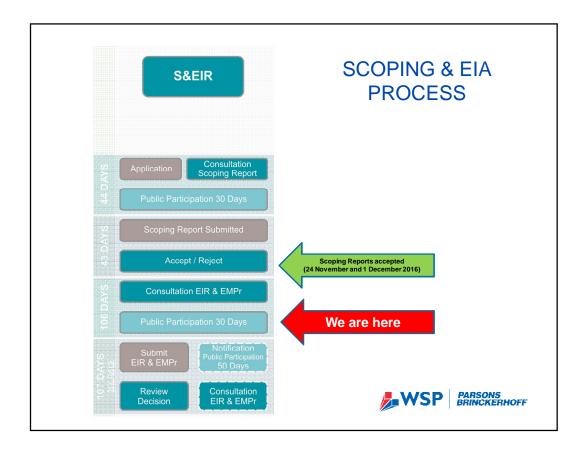


### RESPONSIBILITIES

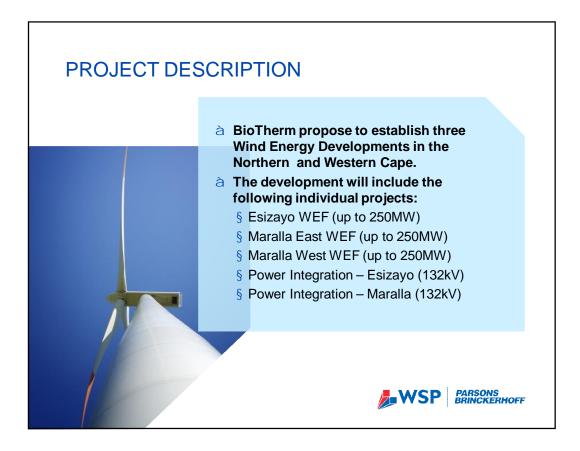
| Roleplayer              | Responsibility   |
|-------------------------|--|
| Applicant<br>(BioTherm) | <ul> <li>Appoint suitable, independent EAP</li> <li>Ensure adequate resources are available to conduct an effective, efficient &amp; equitable S&amp;EIR process</li> <li>Ensure that the EAP is provided with relevant information to undertake the S&amp;EIR process effectively</li> <li>Ensure that the EAP provides all relevant information to the Authorities</li> </ul>  |
| EAP (WSP)               | <ul> <li>Be independent with no vested interest</li> <li>Have the necessary qualifications &amp; experience</li> <li>Responsible for authorisation process, information &amp; reports</li> <li>Provide relevant &amp; objective information to the authorities, the stakeholders &amp; the proponent</li> <li>Ensure public participation process (PPP) is undertaken</li> <li>Ensure all issues raised are addressed or responded to</li> </ul> |
|                         | BRINCKERHOFF   |

| Roleplayer  | Responsibility  |
|---|---|
| Stakeholders  | <ul> <li>Provide input &amp; comment during the S&amp;EIR process</li> <li>Review of reports <ul> <li>Draft Scoping Report (DSR)</li> <li>Environmental Impact Report (EIR)</li> <li>Environmental Management Programme (EMPr)</li> </ul> </li> <li>Provide input &amp; comment within specific timeframes</li> </ul>   |
| Decision-making<br>Authority<br>(Department of<br>Environmental<br>Affairs) | <ul> <li>Efficient &amp; expedient in evaluating proposals</li> <li>Compliance with regulatory requirements</li> <li>Inter-departmental co-operation &amp; consultation</li> <li>Consultation with the Applicant &amp; the Consultant</li> <li>Evaluation/review &amp; decision-making</li> <li>Requiring sufficient detail to make informed decisions</li> </ul> |

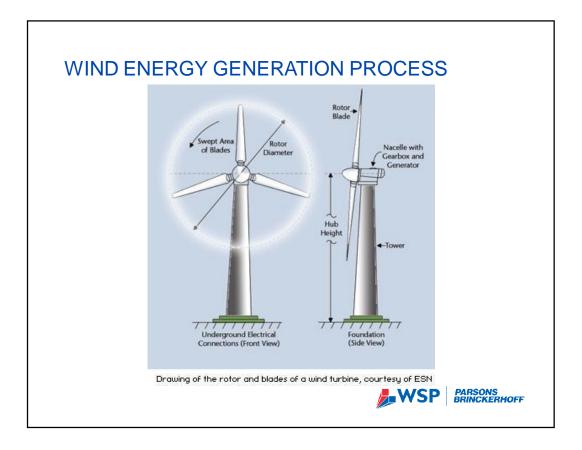








| Generation Capacity                     | Up to 250 MW   |
|---|--|
| Number of turbines                      | Up to 125 (Revised Layout includes 56 Turbines)  |
| Area occupied by each turbine           | 0.5 ha (85m x 60m)   |
| Turbine hub height                      | Up to 120m   |
| Rotor Diameter                          | Up to 150m   |
| Width of internal roads                 | Between 4.0m and 6.0m, however this may increase to 8m on bends  |
| Footprint of internal onsite substation | 150m x 150m  |
| Onsite substation capacity              | Up to 132kV  |
| Width of the powerline servitude        | 31m (15.5m either side)  |
| Powerline tower types and height        | Tower (suspension / strain) / Steel monopole<br>structure, which may be self-supported or guyed<br>suspension. |



### **PROJECT LOCATION**

Esizayo Development Location

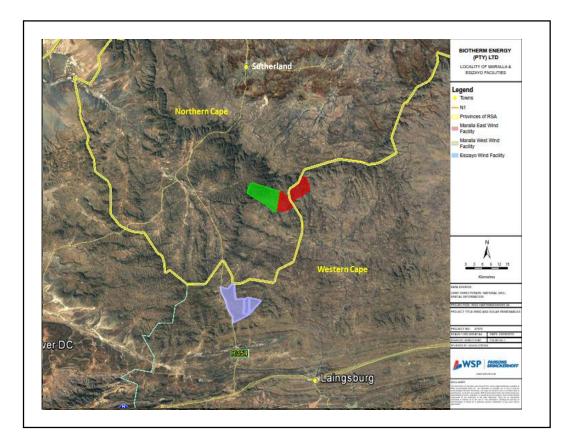
| FARM NAME & NUMBER                | Farm size (ha) |
|-----------------------------------|----------------|
| Portion 1 of Aanstoot Farm No. 72 | 762.42 ha      |
| Annex Joseph's Kraal Farm No.84   | 913.32 ha      |
| Aurora Farm No. 285               | 4 385.29 ha    |

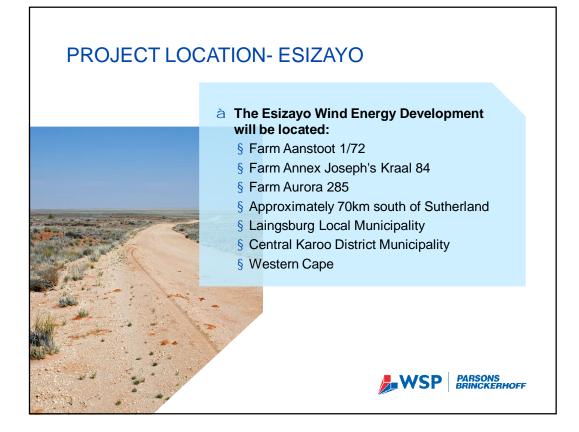
Maralla East Development Location

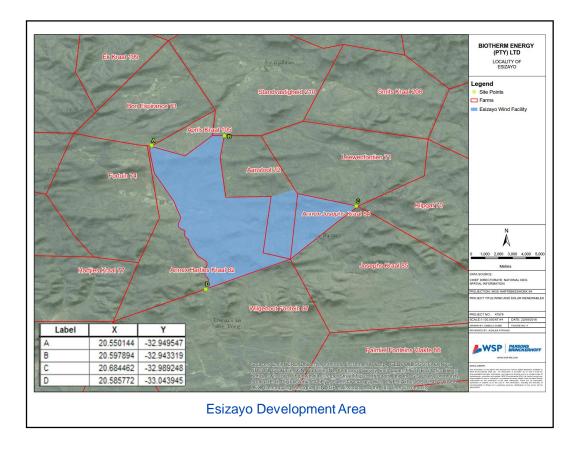
| FARM NAME & NUMBER                     | Farm size (ha) |
|--|----------------|
| Farm Welgemoed 268, Remainder          | 2 649 ha       |
| Farm Schalkwykskraal 204, Remainder    | 1 056 ha       |
| Farm Drie Roode Heuvels 180, Remainder | 3 929 ha       |

Maralla West Development Location

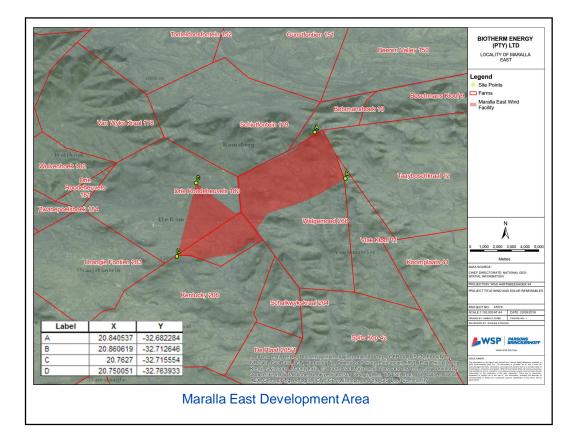
| FARM NAME & NUMBER                           | Farm size (ha) |
|--|----------------|
| Farm Drie Roode Heuvels 180, Remainder       | 3 929 ha       |
| Farm Annex Drie Roode Heuvels 181, Remainder | 329 ha         |
| Farm Wolven Hoek 182, Portion 1              | 763 ha         |
| Farm Wolven Hoek 182, Portion 2              | 625 ha         |
|  |                |



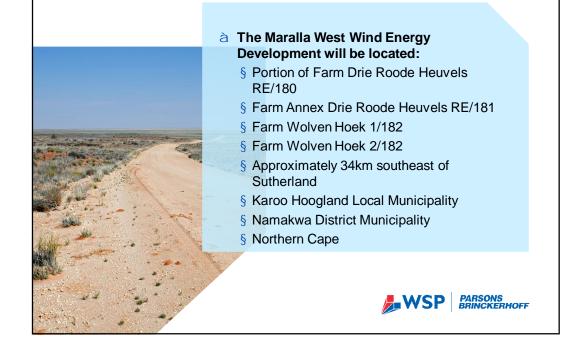


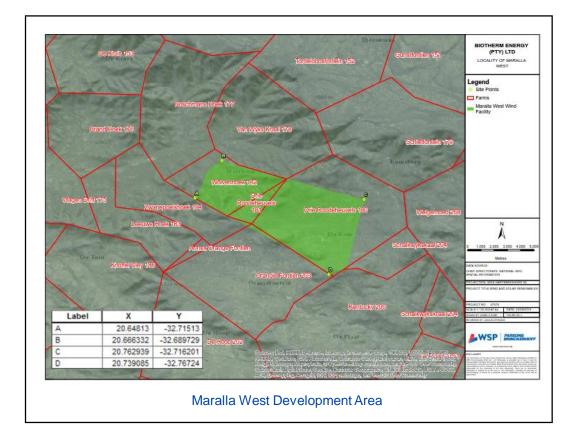


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### **PROJECT LOCATION- MARALLA WEST**







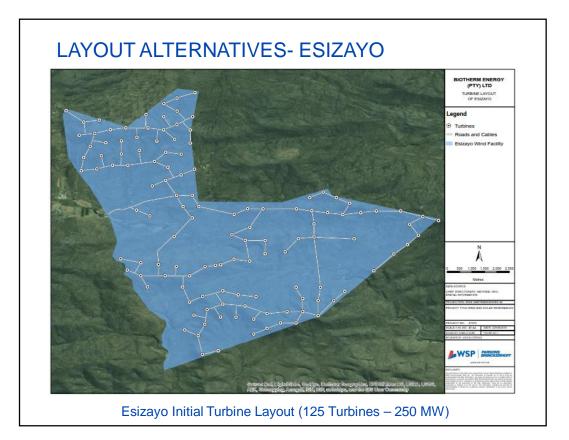
| LEGAL REQUIREMENTS  |   |
|---|---|
|   |   |
| Relevant Act  | Competent Authority                           |
| National Environmental Management Act (No. 107 of 1998) (NEMA)  | Department of Environmental<br>Affairs (DEA)  |
| An environmental authorisation is required prior to the establishment of the Propose                    | d Projects                                    |
| A full S&EIR Process is required to be conducted for the WEF Projects                                   |   |
| • A Basic Assessment is required to be conducted for the power integration projects                     |   |
| Listed Activities triggered under Government Notice Regulation (GNR) 983, 984 and                       | 1985 of 2014                                  |
| National Water Act (No. 36 of 1998)   | Department of Water and Sanitation            |
| The following water uses have been identified as potentially applicable:                                |   |
| • Section 21 (a) and 21 (b)   |   |
| • Section 21 (c) and 21 (i)   |   |
| Water Use Licence or General Authorisation required prior to the establishment of th                    | e Proposed Projects                           |
| National Environmental Management: Biodiversity Act, 2004 (No. 10 of 2004)                              |   |
| • The are Critical Biodiversity Areas (CBAs) in the study areas.  |   |
| National Heritage Resource Act (No. 25 of 1999)   |   |
| A Heritage Impact Assessment (HIA) will be undertaken looking at Archaeology, Her<br>mentioned projects | itage and Palaeontology for each of the above |
| Renewable Energy Development Zone   |   |
| The project areas fall within the Komsberg Wind REDZ  |   |

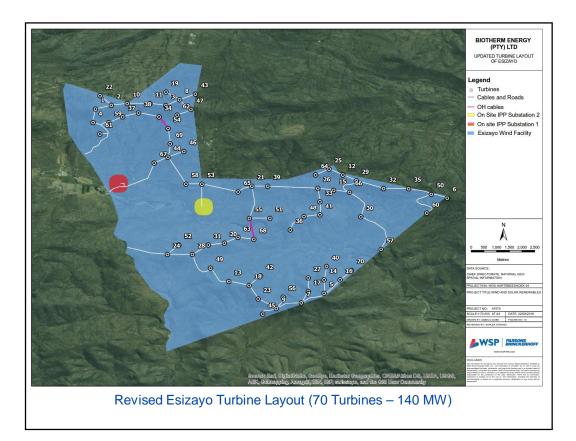
| Relevant Water<br>Use | Description   | Applicability   |  |  |  |
|-----------------------|---|---|--|--|--|
| Section 21 (a)        | Taking water from a water resource                                  | In the event that ground water<br>abstraction is required for<br>operational activities   |  |  |  |
| Section 21 (b)        | Storage of raw water  | In the event that the storage of raw water is required for operational activities   |  |  |  |
| Section 21 (c)        | Impeding or diverting the flow of water in a watercourse            | In the event that the powerlines or   |  |  |  |
| Section 21 (i)        | Altering the bed, banks course or characteristics of a water course | In the event that the powerlines or<br>access roads cross a watercourse,<br>drainage line or wetland area or if a<br>turbine is constructed within 500m<br>a watercourse, drainage line or<br>wetland |  |  |  |

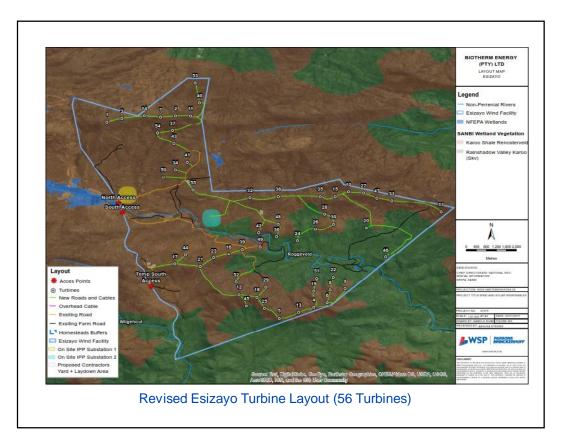
| Project<br>Name                | Listing<br>Notice | Activit | ies Triggere      | ed    |        |        |          |    |
|--------------------------------|-------------------|---------|-------------------|-------|--------|--------|----------|----|
| Maralla<br>West,               | GNR 983           | 11(i)   | 12 (xii)<br>(a&c) | 19(i) | 24(ii) | 28(ii) | 30       | 56 |
| Maralla<br>East and<br>Esizayo | GNR 984           | 1       | 15                | -     | -      | -      | -        | -  |
|                                | GNR 985           | 4       | 10                | 12    | 14     | 18     | 23 (iii) | -  |
| Power                          | GNR 983           | 11(i)   | 12 (xii)<br>(a&c) | 19(i) | 27     | 28(ii) | 30       | -  |
| Integration                    | GNR 985           | 4       | 12                | 14    | -      | -      | -        | -  |
|                                | GNR 985           | 4       | 12                | 14    | -      | -      | -        | -  |

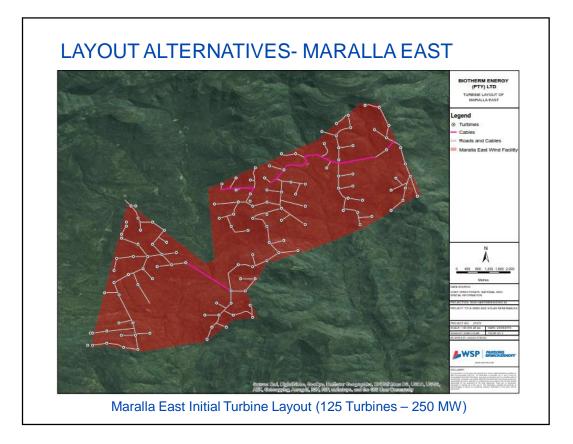


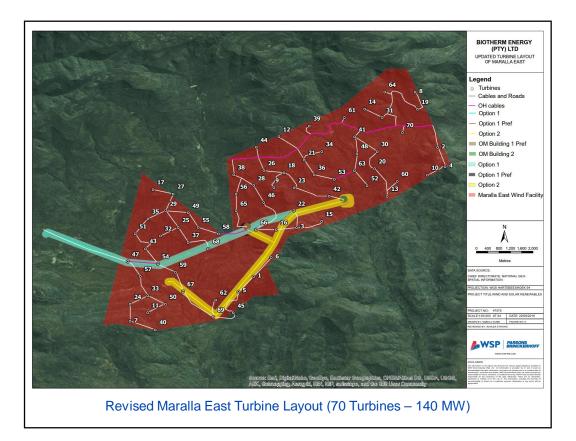
| DEVELOPMENT AREA ALTERNATIVES   |  |
|---|--|
| Site Selection was based on the following factors:  |  |
| •Google Earth<br>•SANBI BGIS<br>•FEPA, SEA<br>•Other EIAs   |  |
| Resources<br>Factors • Satellite Data<br>• Onsite Measurements  |  |
| Current Capacity<br>-Future Capacity<br>-Stability<br>-Stability<br>-Substations/Powerlines   |  |
| •Climate<br>•Topography<br>•Site Acess<br>•Competition<br>•Existing Environmental Authorisations  |  |
| Land Owner<br>Factors<br>• Compensation<br>• Competition<br>• Competition<br>• Competition<br>• Competition<br>• Competition<br>• Competition<br>• Competition<br>• Competition |  |

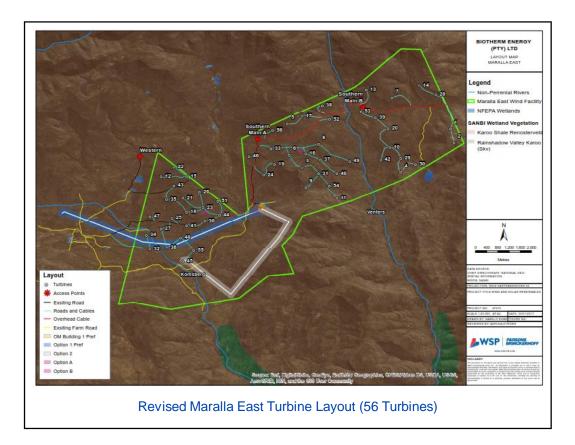


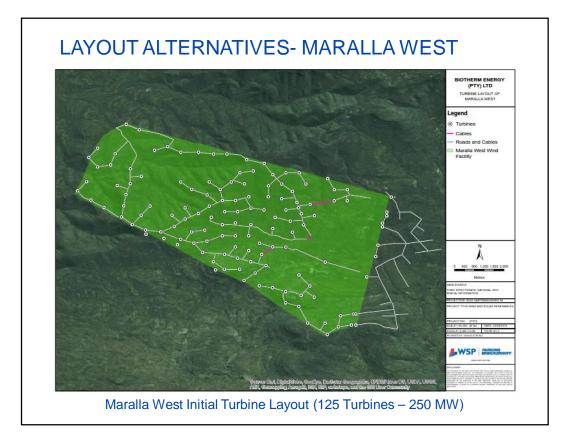


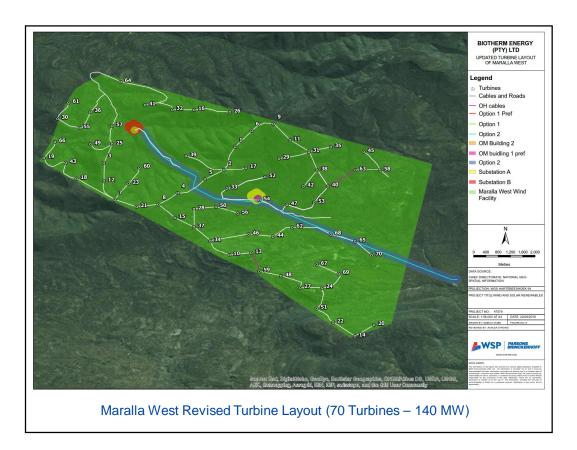


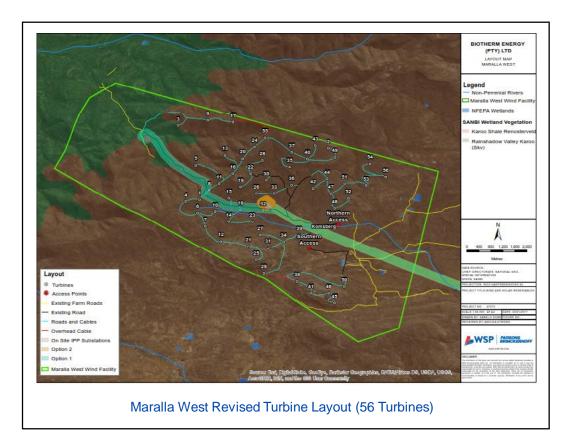


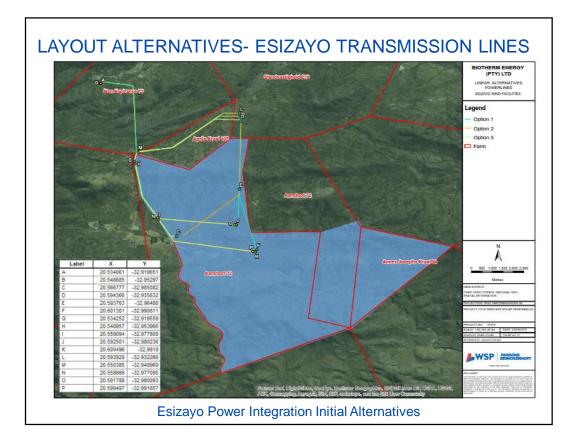


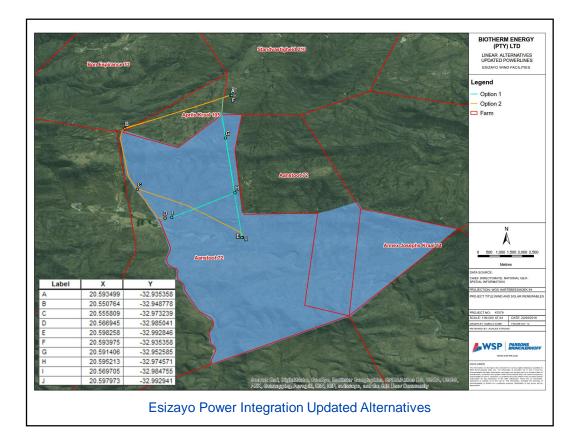


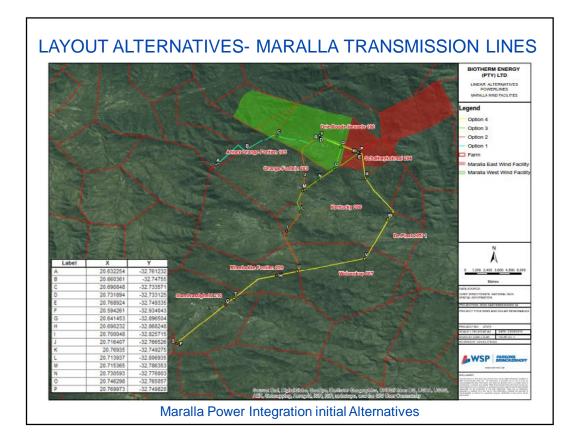


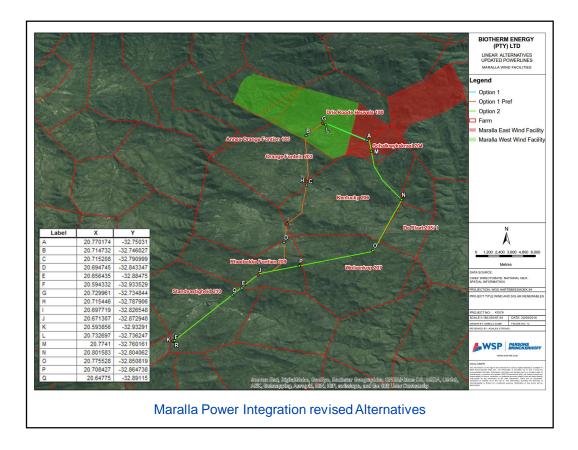














| SPECIALIST FIELD                         | COMPANY NAME                | TEAM MEMBERS                               | ASSESSMENT IN<br>EIA PHASE |
|--|-----------------------------|--|----------------------------|
| Soil, Land<br>Capability and<br>Wetlands | WSP Environmental (Pty) Ltd | Bruce Wickham, Gerg Matthews               | Yes                        |
| Biodiversity                             | Simon Todd Consulting       | Simon Todd                                 | Yes                        |
| Avifauna                                 | Chris van Rooyen Consulting | Chris van Rooyen, Albert Froneman          | Yes                        |
| Heritage                                 | ACO Associates              | Tim Hart, Lita Webley, David<br>Halkett    | Yes                        |
| Palaeontology                            | Natura Viva                 | John Almond                                | Yes                        |
| Visual                                   | -                           | Belinda Gebhardt                           | Yes                        |
| Social                                   | WSP Environmental (Pty) Ltd | Danielle Sanderson, Hillary<br>Konigkramer | Yes                        |
| Traffic                                  | WSP Group Africa (Pty) Ltd  | Christo Bredenhann                         | Yes                        |
| Noise                                    | WSP Environmental (Pty) Ltd | Kirsten Collett                            | Yes                        |

| Ref. | Impact Description   | Phase         | Status   | Significance<br>(Pre-<br>Mitigation) | Residual<br>Significance<br>(Post-<br>Mitigation) |
|------|--|---------------|----------|--------------------------------------|---|
| SLC1 | Loss of land (including wetlands) previously used for grazing.   |               | Negative | Medium                               | Low   |
| SLC2 | Vegetation clearance, soil disturbance and high traffic movement on site, resulting in a higher potential for soil erosion       | Construction  | Negative | Low                                  | Low   |
| SLC3 | Potential spillage of hazardous substances   |               | Negative | Low                                  | Low   |
| SLC4 | Loss of land (including wetlands) previously used for grazing.   |               | Negative | Medium                               | Low   |
| SLC5 | Vegetation clearance, soil disturbance, and increased traffic movement on site, resulting in a higher potential for soil erosion | Operation     | Negative | Low                                  | Low   |
| SLC6 | Potential land contamination from hazardous substances   |               | Negative | Low                                  | Low   |
| SLC7 | Increased potential of soil erosion due to soil disturbance and a high traffic movement on site.                                 | De-           | Negative | Low                                  | Low   |
| SLC8 | Potential spillage of hazardous substances   | commissioning | Negative | Low                                  | Low   |

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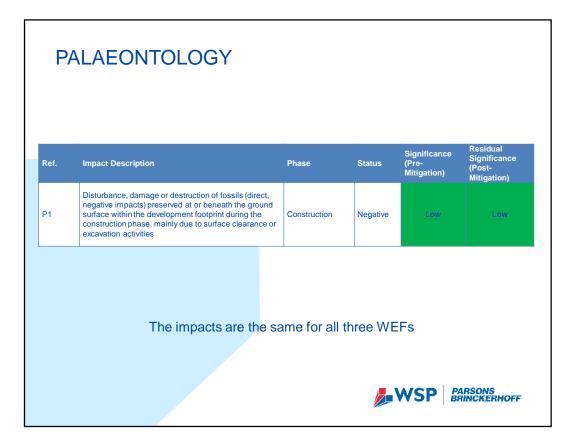
| Ref. | Impact Description  | Phase                | Status   | Significance<br>(Pre-Mitigation) | Residual<br>Significance<br>(Post-Mitigation) |
|------|---|----------------------|----------|----------------------------------|---|
| BIO1 | Impacts on vegetation and protected plant species   |                      | Negative | Medium                           | Medium  |
| BIO2 | Faunal impacts due to construction activities   | Construction         | Negative | Medium                           | Medium  |
| BIO3 | Increased Soil Erosion risk during construction   | -                    | Negative | Medium                           | Low   |
| BIO4 | Faunal impacts due to operational activities of<br>the wind farm such as noise, and human<br>presence during maintenance activities | Operation            | Negative | Medium                           | Medium  |
| BIO5 | Erosion   |                      | Negative | Medium                           | Low   |
| BIO6 | Alien Plant Invasion  |                      | Negative | Low                              | Low   |
| BIO7 | Faunal impacts due to decommissioning of the wind farm such as noise, and operation of heavy machinery on-site                      | De-<br>commissioning | Negative | Medium                           | Low   |
| BIO8 | Erosion   | commissioning        | Negative | Medium                           | Low   |
| BIO9 | Alien Plant Invasion  | 1                    | Negative | Medium                           | Low   |

|      |   |                      |          | Esizay                               | /o WEF  | Maralla Eas<br>W                      | st and Wes<br>EF                                 |
|------|---|----------------------|----------|--------------------------------------|---|---------------------------------------|--|
| Ref. | Impact Description  | Phase                | Status   | Significance<br>(Pre-<br>Mitigation) | Residual<br>Significance<br>(Post-<br>Mitigation) | Significanc<br>e (Pre-<br>Mitigation) | Residual<br>Significar<br>e (Post-<br>Mitigatior |
| AV1  | Displacement of priority species<br>due to disturbance during<br>construction operations    | Construction         | Negative | Medium                               | Medium  | Medium                                | Medium   |
| AV2  | Priority species mortality due to collision with the turbines                               |                      | Negative | High                                 | Medium  | High                                  | Medium   |
| AV3  | Displacement of priority species due to habitat transformation                              |                      | Negative | Medium                               | Low   | Medium                                | Low  |
| AV4  | Priority species mortality due to<br>collision with the on-site<br>powerlines               | Operation            | Negative | Medium                               | Medium  | High                                  | Medium   |
| AV5  | Priority species mortality due to<br>electrocution on the on-site<br>powerlines             |                      | Negative | Medium                               | Low   | Medium                                | Low  |
| AV6  | Displacement of priority species<br>due to disturbance during<br>decommissioning operations | De-<br>commissioning | Negative | Low                                  | Low   | Low                                   | Low  |

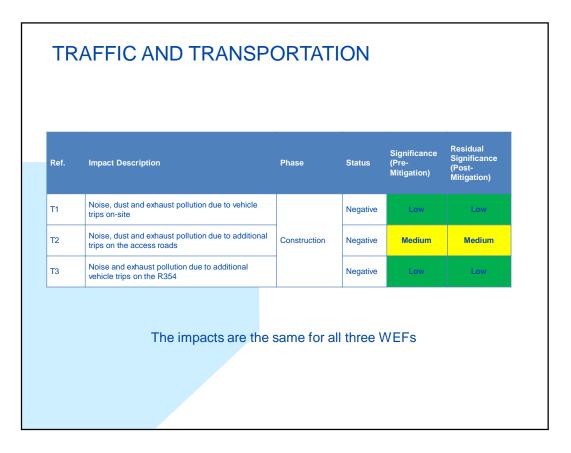
| Ref. | Impact Description   | Phase                | Status   | Significance<br>(Pre-<br>Mitigation) | Residual<br>Significance<br>(Post-<br>Mitigation) |
|------|--|----------------------|----------|--------------------------------------|---|
| BAT1 | Destruction of bat roosts due to earthworks and blasting -   | Construction         | Negative | Medium                               | Low   |
| BAT2 | Loss of foraging habitat.  |                      | Negative | Medium                               | Low   |
| BAT3 | Bat mortalities due to direct blade impact or barotrauma during foraging activities (not migration). | Operation            | Negative | High                                 | Medium  |
| BAT4 | Artificial Lighting  | -                    | Negative | Medium                               | Low   |
| BAT5 | Loss of foraging habitat.  | De-<br>commissioning | Negative | Medium                               | Low   |
|      | The impacts are the s  | ame for all t        |          | WCD                                  | PARSONS   |

| Ref. | Impact Description  | Phase                | Status   | Significance<br>(Pre-<br>Mitigation) | Residual<br>Significance<br>(Post-<br>Mitigation) |
|------|---|----------------------|----------|--------------------------------------|---|
| SW1  | Alterations of flow regimes of watercourses,  |                      | Negative | Medium                               | Low   |
| SW2  | Increased potential of soil erosion due to vegetation<br>clearance, soil disturbance and a high traffic movement<br>on site. Subsequent potential sedimentation of<br>watercourses. | Construction         | Negative | Low                                  | Low   |
| SW3  | Potential land contamination from hazardous substances  |                      | Negative | Low                                  | Low   |
| SW4  | Temporary potential degradation of wetland habitat due to the proposed positioning of road access   |                      | Negative | Medium                               | Low   |
| SW5  | Alterations of flow regimes of watercourses   |                      | Negative | Medium                               | Low   |
| SW6  | Increased potential of soil erosion due to vegetation<br>clearance, and more run-off from harden surfaces (i.e.<br>roads). Subsequent potential sedimentation of<br>watercourses.   | Operation            | Negative | Low                                  | Low   |
| SW7  | Potential land contamination from hazardous substances.   |                      | Negative | Low                                  | Low   |
| SW8  | Alterations of flow regimes of watercourses, in close proximity to the site, or that is proposed to be traversed by roads.  | 2                    | Negative | Medium                               | Low   |
| SW9  | Increased potential of soil erosion due to soil disturbance and a high traffic movement on site.  | De-<br>commissioning | Negative | Low                                  | Low   |
| SW10 | Potential land contamination from hazardous substances.   |                      | Negative | Low                                  | Low   |

| Ref.   | Impact Description  | Phase        | Status   | Significance<br>(Pre-<br>Mitigation) | Residual<br>Significance<br>(Post-<br>Mitigation) |
|--------|---|--------------|----------|--------------------------------------|---|
| ESIZAY | 0   |              |          |                                      |   |
| H1     | Impacts to buried archaeological material and graves  |              | Negative | Low                                  | Low   |
| H2     | Substation 1 will result in the destruction of South African War Military Outpost                       | Construction | Negative | Medium                               | Low   |
| H3     | Access road ,au damage or destroy the Nuwerus Cemetery  |              | Negative | Medium                               | Low   |
| MARAL  | LA EAST   |              |          |                                      |   |
| H1     | Impacts to ruined settlement and graveyard on public access road through De KOM                         |              | Negative | Medium                               | Low   |
| H2     | Impacts to late Stone Age sites along river bed   | Construction | Negative | Medium                               | Low   |
| H3     | Impacts to the Farm House of Wolvenhoek   |              | Negative | Medium                               | Low   |
| MARAL  | LA WEST   | 1            |          |                                      |   |
| H1     | Impacts to a graveyard on the Komsberg River,<br>Sckalkwykskraal  |              | Negative | Medium                               | Low   |
| H2     | Impacts to a 19 <sup>th</sup> centuary stone stockpost and kraal on the Komsberg River, Sckalkwukskraal | Construction | Negative | Medium                               | Low   |
| H3     | Impacts to graves and a rock art site on Venters River,<br>Welgemoed                                    |              | Negative | Medium                               | Low   |

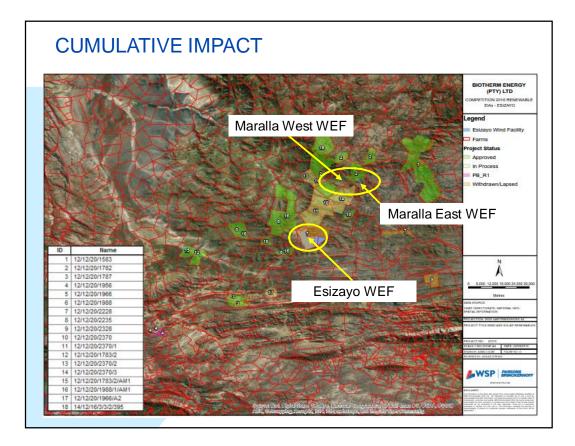


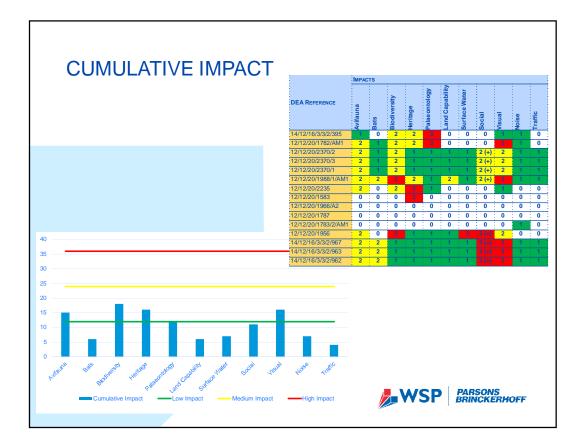
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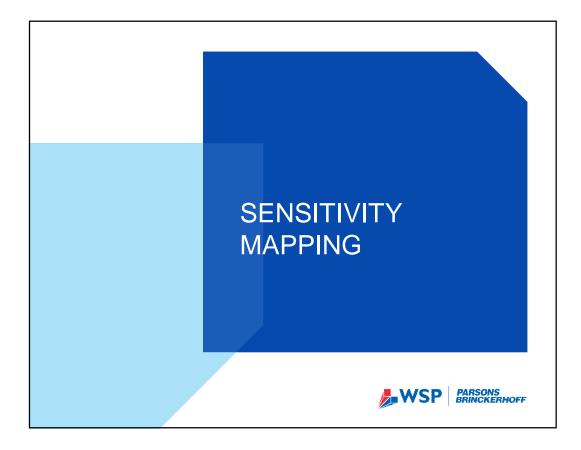


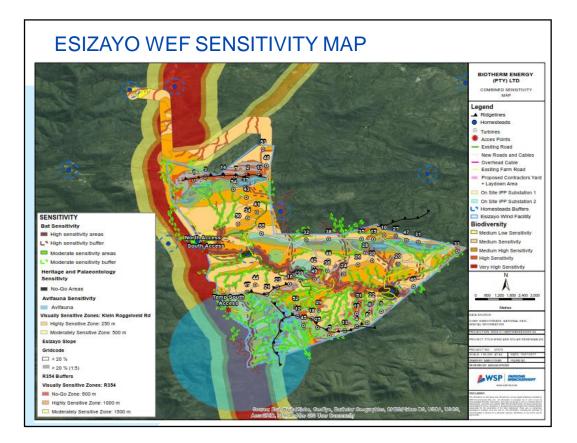
|      |   |                      |          |                                       | Maralla West<br>EF                                 | Maralla                                   | East WEF   |
|------|---|----------------------|----------|---------------------------------------|--|---|--|
| Ref. | Impact Description                          | Phase                | Status   | Significanc<br>e (Pre-<br>Mitigation) | Residual<br>Significanc<br>e (Post-<br>Mitigation) | Significan<br>ce (Pre-<br>Mitigation<br>) | Residual<br>Significa<br>ce (Post-<br>Mitigatio<br>) |
| N1   | Acoustic impact on residential receptors    | Construction         | Negative | Medium                                | Low  | Medium                                    | Low  |
| N2   | Acoustic impact on residential<br>receptors | Operation            | Negative | Medium                                | Low  | Low                                       | Low  |
| N3   | Acoustic impact on residential receptors    | De-<br>commissioning | Negative | Medium                                | Low  | Medium                                    | Low  |
|      |   |                      |          |                                       |  |   |  |

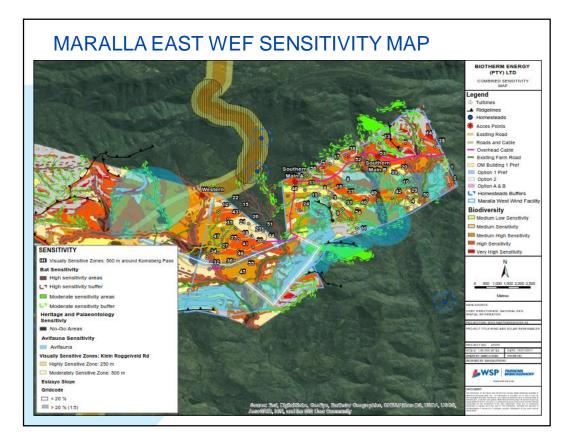
| Ref. | Impact Description  | Phase         | Status   | Significance<br>(Pre-Mitigation) | Residual<br>Significance<br>(Post-Mitigation) |
|------|---|---------------|----------|----------------------------------|---|
| SE1  | Increase in Employment Opportunities                        | Construction  | Positive | Medium                           | High  |
| SE2  | Increased Economic Development Opportunities                |               | Positive | Medium                           | High  |
| SE3  | Disruption due to influx of job seekers                     |               | Negative | Medium                           | Medium  |
| SE4  | Increase in communicable diseases and reduced public health |               | Negative | Medium                           | Medium  |
| SE5  | Change in sense of place                                    |               | Negative | Medium                           | Low   |
| SE6  | Nuisance from noise, dust and traffic disturbances          |               | Negative | Medium                           | Low   |
| SE7  | Increased risk to neighbouring land users                   |               | Negative | Low                              | Low   |
| SE8  | Increased risk of veld fires                                |               | Negative | Medium                           | Low   |
| SE9  | Increased employment opportunities                          | Operation     | Positive | Medium                           | High  |
| SE10 | Increased economic development opportunities                |               | Positive | Medium                           | Medium  |
| SE11 | Change in sense of place                                    |               | Negative | Medium                           | Medium  |
| SE12 | Loss of permanent employment                                | De-           | Negative | Medium                           | Low   |
| SE13 | Gain of short term employment                               | commissioning | Positive | Low                              | Medium  |
| SE14 | Nuisance from dust, noise and traffic                       |               | Negative | Low                              | Low   |
| SE15 | Increased risk to neighbouring land users                   |               | Negative | Low                              | Low   |
| SE16 | Increased risk of veld fires                                |               | Negative | Medium                           | Low   |

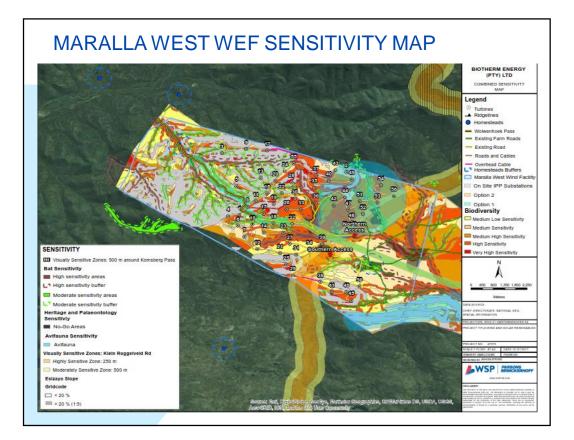














|                 | C PARTICIPATION PROCE                                  | 55 | 1 |
|-----------------|--|----|---|
| io              | Pre-application consultation with DEA                  | P  |   |
| Pre-Application | Newspaper Adverts                                      | Р  |   |
|                 | Submit Application                                     | P  |   |
|                 | Notification of IAPS                                   | P  |   |
| ing             | Newspaper Adverts                                      | P  |   |
| Scoping         | Site Notices   | P  |   |
|                 | Draft Scoping Report – 30 days                         | P  |   |
|                 | Submit Final Scoping Report                            | Р  |   |
| -               | EIR – 30 Days  | Р  |   |
| EIA             | Submit EIR for Decision                                |    |   |
| _               | Notification of decision                               |    |   |
| Appeal          | Appeal Process   |    |   |
| Ā               | Must be submitted within 20 days from date of decision |    |   |

## PUBLIC PARTICIPATION PROCESS TO DATE



## à The Public Participation process has consisted of:

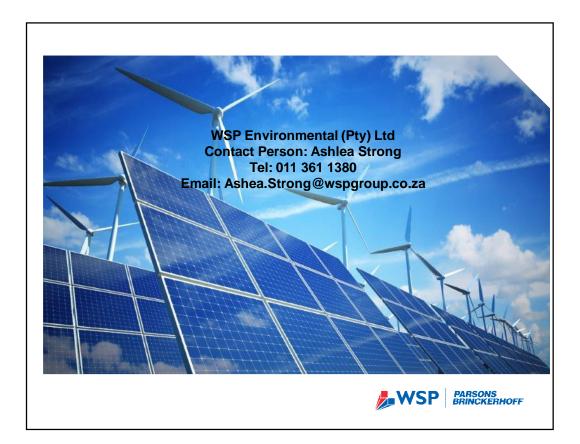
- § Pre-application Consultation with DEA
- § Newspaper adverts in:
  - The Courier (9 September 2016)
  - Die Noordwester (8 September 2016)
- § Email notification of I&APs
- § Site Notices placed at the entrance to the site
- § DSR for 30 day public review
- § Public Meetings
  - 29 September 2016 Laingsburg
  - 30 September 2016 Sutherland
- § DEIR for 30 day public review
- § Public Meetings
  - 23 February 2017 Matjiesfontein
  - 24 February 2017 Sutherland

**WSP** 

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| Activity   | Anticipated Timeframe          |
|--|--------------------------------|
| Stakeholder Meetings                               | 21 – 24 February 2017          |
| Close of public review period                      | 2 March 2017                   |
| Finalisation of DEIR and submission to authorities | 3 - 28 March 2017              |
| Authority review                                   | 31 March – 17 July 2017        |
| Receipt of Environmental Authorisation (EA)        | Mid – end July 2017            |
| Appeal Period                                      | 20 days from receipt of the EA |
|  |                                |
|  |                                |



## Appendix C: List of Skills

Sub-station site manager

Site admin clerk H&S representative

Bricklayer

Ecologists

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| Cc | nstruction   | Operation   |
|----|--|---|
|    | Environmental coordinator<br>Project manager<br>Director<br>Technical buyer<br>Engineering manager<br>Engineering director<br>Site manager<br>Engineer<br>Logistic project manager<br>Substation and OHL manager<br>Telecontroller/telecommunications<br>Management committee control<br>General labourer<br>HR/IR officer<br>HSE manager<br>Wind turbine technicians and assistants<br>Climber<br>Foremen/section foremen<br>Carpenter<br>Site supervisor<br>Truck driver<br>Surveyor<br>Operator<br>Managing director<br>Site administrator<br>Supply chain manager<br>Buyer senior<br>Commercial manger<br>Construction manager | <ul> <li>Ecologists</li> <li>General workers</li> <li>Buyers</li> <li>Security guards</li> <li>Operations managers</li> <li>Bird specialists</li> <li>Bat specialists</li> <li>Data sorters</li> <li>Office assistants</li> <li>Office Administrators</li> <li>Technician/Junior technicians</li> <li>Assistant Engineer</li> <li>HR Director</li> <li>Operations and Maintenance Manager</li> <li>Buyer Seniors</li> <li>ED Director</li> <li>Commercial manager</li> <li>Engineers</li> </ul> |