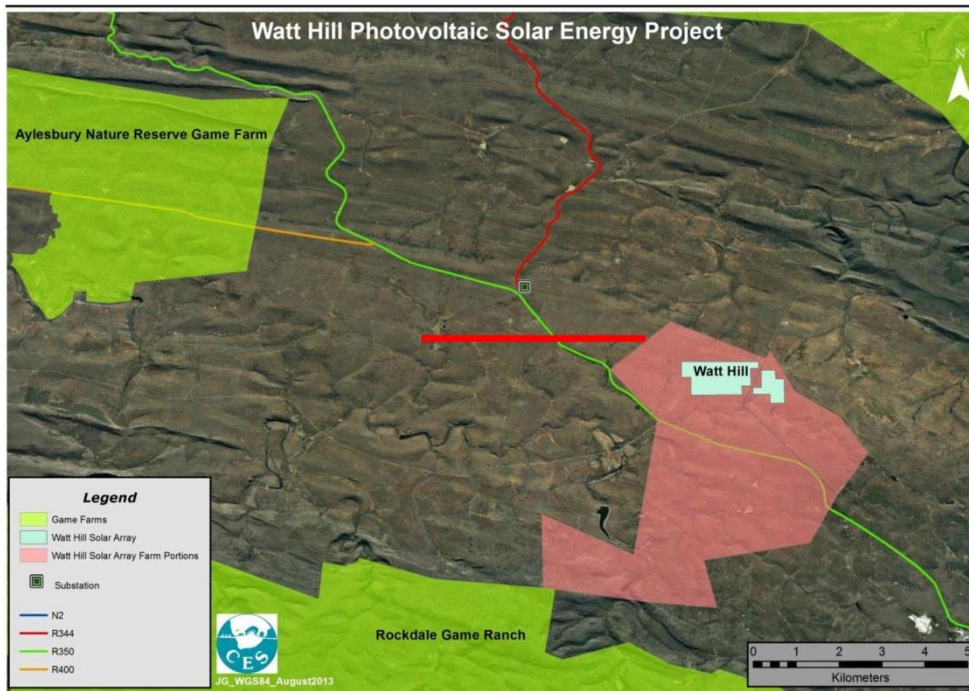


- (ee) Part of the property on which the proposed project will be developed is within a CBA 1 (refer to Figure 1-2, included on page 39 of the Final Scoping Report). However, the project layout has been revised so that there will be no infrastructure development inside the boundaries of the CBA 1. It is possible that it will be necessary to lay underground cables in the CBA 1, and this listed activity has therefore been included for assessment.
- (ff) No core areas have been identified within the proposed development site. This activity therefore does not apply to the proposed development.
- (gg) The Aylesbury protected area falls outside the 5 km buffer zone and therefore does not apply to the proposed development.



**Figure 3: Location of the Aylesbury Nature Reserve in respect to the proposed development (the red line indicates 5 km).**

- (hh) The proposed development site is located approximately 65 km from the coast and therefore this activity does not apply.
- **DEA Comment:**
  - ii. The listed activities identified in the FSR do not correspond to all the listed activities in the application form dated 17 September 2012 (e.g. GN R.546 item 13).
  - **EAP Response:**

The listed activities in the Scoping Report have been amended to correspond to those in the amended application form (submitted to DEA), these can be found in Chapter 1 Section 2 (page 2) of the Final Scoping Report and have been included below for your convenience.

The following discrepancies were noticed:

<b>Listed Activity</b>	<b>Application</b>	<b>FSR</b>	<b>Comment</b>
Listing Notice 1 of R544 (1)	NO	YES	The application is for the development of a 75 MW and is therefore included under GNR 545. This listed activity does not apply and has therefore been removed from the Final Scoping Report.
Listing Notice 1 of R544 (10)	YES	YES	
Listing Notice 1 of R544 (11)	YES	NO	The project will involve the construction of roads and underground electrical cables which are likely to cross drainage lines. This listed activity has been included in the FSR
Listing Notice 1 of R544 (18)	NO	YES	The project will involve the construction of roads and underground electrical cables which could trigger this activity. The application form has been amended and resubmitted to include this activity.
Listing Notice 1 of R544 (23)	NO	YES	The proposed development is approximately 130 ha in size and is therefore included under GNR 545. This activity does not apply and has therefore been removed from the Final Scoping Report.
Listing Notice 1 of R544 (38)	NO	YES	New infrastructure (electrical cabling and substation) will be required for the proposed project and therefore no expansion will be necessary. This listed activity has been removed from the FSR
Listing Notice 2 of R545 (1)	YES	YES	
Listing Notice 2 of R545 (8)	NO	YES	The transmission of electricity will be less than 275kV, therefore this listed activity do not apply and have been removed from the FSR.
Listing Notice 2 of R545 (15)	YES	YES	
Listing Notice 3 of R546 (4)	YES	YES	
Listing Notice 3 of R546 (10)	NO	YES	During the construction of the proposed solar facility fuel will be required to be stored on site, however this will not exceed 30m <sup>3</sup> and therefore this listed activity does not apply and has subsequently been removed from the FSR.
Listing Notice 3 of R546 (12)	YES	YES	
Listing Notice 3 of R546 (13)	NO	YES	Until such time as ground truthing occurs it is unknown what area of the proposed development site, which constitutes more than 75% of indigenous vegetation, will be required to be cleared. For this reason listed activities 12, 13 and 14 have been included. This listed activity was omitted from the application form and therefore the application form has been

			amended and resubmitted.
Listing Notice 3 of R546 (14)	YES	YES	
Listing Notice 3 of R546 (16)	NO	NO	Part of the property on which the proposed project will be developed is within a National Protected Areas Expansion Strategy (NPAES) Focus Area and a CBA 1. However, the project layout has been revised so that there will be no infrastructure development inside the boundaries of the NPAES Focus area or the CBA 1. It is possible that it will be necessary to lay underground cables in the NPAES Focus Area and/or CBA 1, and this listed activity has therefore been included for assessment in the amended application form.
Listing Notice 3 of R546 (19)	YES	YES	

- **DEA Comment:**

iii. **Page 63 of the FSR indicates that a bat specialist has been appointed, yet the list of specialist studies does not include a bat specialist assessment study. Please include this in the Plan of Study for EIA.**

- **EAP Response**

The inclusion of a bat specialist assessment in the Final Scoping Report (FSR) was an error. No bat specialist assessment will be conducted for the proposed project and therefore all references to such a study have been removed.

An example of a PV Facility has been included below. PV Facilities are stationary and therefore do not impact on bats as is the case with the rotating blades from wind farms. It is therefore not anticipated that a bat specialist study will be required for the proposed project.



- **DEA Request:**

iv. **The Terms of Reference for the Palaeontological Impact Assessment was not included in the FSR. Please provide the Department with this information.**

- **EAP Response:**

**Palaeontological Impact Assessment**

A palaeontological impact assessment will be conducted, the primary objective of which is to determine whether there are any indications that the proposed site is of palaeontological significance. This will be a phase 1 assessment and will be largely desk-top although a site visit will be required to enable the specialist the opportunity to look for significant artefacts/fossils on the surface of the site. It is not expected that a more detailed Phase 2 assessment will be required but this remains to be confirmed.

The terms of reference for the Phase 1 palaeontological study will be to:

- Provide a summary of the relevant legislation;
- Conduct a site inspection as required by national legislation
- Determine the likelihood of palaeontological remains of significance in the proposed site;
- Identify and map (where applicable) the location of any significant palaeontological remains;
- Assess the sensitivity and significance of palaeontological remains in the site;
- Assess the significance of direct and cumulative impacts of the proposed development and viable alternatives on palaeontological resources;
- Identify mitigatory measures to protect and maintain any valuable palaeontological sites and remains that may exist within the proposed site.
- Prepare and submit any permit applications to relative authorities

This has been included in the Plan of Study for the EIA and is included in Chapter 10, Section 10.1.1 (page 64) of the FSR.

- **DEA Comment:**

v. **Appendix C5: Register of I&APs does not indicate the following key stakeholders:**

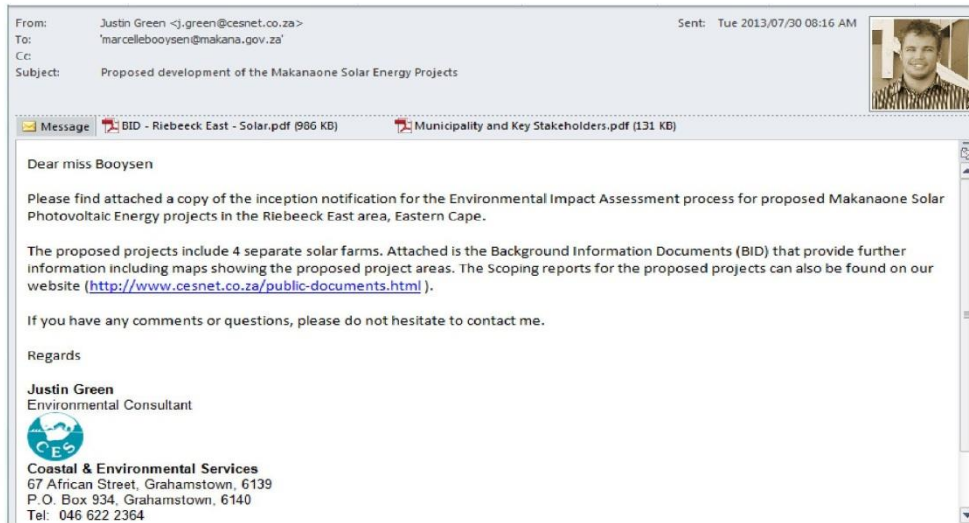
- **Occupiers of land adjacent to the site**
- **Ward Councillor**

- **EAP Response:**

The occupiers of the land adjacent to the site are included and are labelled as Surrounding Neighbours (pg. 106), reproduced below for your convenience.

Surrounding Neighbours		
Name	Association	Email
Geoff Brown	Brack Kloof	<a href="mailto:glenambrose@imagnet.co.za">glenambrose@imagnet.co.za</a>
Adrian White	Table Hill Farm (North)	<a href="mailto:tablefarm@eastcape.net">tablefarm@eastcape.net</a>
Trevor Hoole	Slaaikraal Farm	<a href="mailto:tthoole@gmail.com">tthoole@gmail.com</a>
Lft Col Jakes (Att Col Potlaki + Col Jacobs/Mvula)	South African National Defence Force	<a href="mailto:rfim.dbn@vodamail.co.za">rfim.dbn@vodamail.co.za</a>
Michael Palmer		<a href="mailto:palmer@itsnet.co.za">palmer@itsnet.co.za</a>

The Ward Councillor, Ms. Marcelle Booysen (Ward 3) was notified of the proposed development on the 30<sup>th</sup> of July 2013 (proof of notification is included below).



- **DEA Request:**

**Also provide proof that these key stakeholders have been given written notification of the proposed listed activities associated with this application.**

- **EAP Response:**

Stakeholders were notified of the listed activities in the BID that was distributed during the initiation period of the project. In addition to this the listed activities were also included in the Draft Scoping Report within the Executive summary as well as in Chapter 1, page 2.

Included in this document is a copy of the BID (Appendix B), and proof that this was sent to various stakeholders (Appendix A). The listed activities in the Final Scoping Report are on page 2.

Based on issue ii raised above, the application form has been amended and resubmitted to the authorities for approval. All registered I&APs will be informed of the amended application and listed activities therein.

- **DEA Request:**

- vi. The site visit brought to light that there is a conservancy in the area of the proposed PV plant. Please provide the Department with a map of the conservancy.**

- **EAP Response:**

As can be seen from the Figure 3, and as discussed under issue one above, the Makanaone Watt Hill Solar Photovoltaic Energy Project falls outside the 5 km buffer zone around the Aylesbury protected area as specified in the EIA Regulations (**Listed activity GNR. 546, Section 13 (c) ii (ff)**). Figure 3 shows the location of this protected area in relation to the site and has been incorporated into the Final Scoping Report in Chapter 1, page 6.

- **DEA Request:**

vii. **The Department requires that a Socio-Economic Study be performed to ascertain the potential impacts of the proposed development on the community. This study must include of job creation and the availability of the proposed trust fund for the community use.**

- **EAP Response:**

The Terms of reference for a socio-economic study is included in the FSR in the Plan of Study (Chapter 10, page 71). For your convenience it is reproduced below.

**Socio-Economic Impact Assessment**

The specific Terms of Reference for the Socio - Economic Impact Assessment will include:-

- Review of all relevant literature e.g. Visual and Agricultural Impact Assessments, Grahamstown/Riebeeck East IDP, Tourism Sector Plan, Benchmark studies, etc.
- Visit the Makanaone Watt Hill Solar site.
- Review the Grahamstown/Riebeeck East IDP and assess the economic impact of the solar energy project on all sectors of the economy within the LM area in terms of:
  - Contribution to economic growth in the region (Direct and Indirect) – Gross Domestic Product per Region (GDPR);
  - Impact on regional development (business and other) ;
  - Impact on productivity and production (sales, etc.) of existing farms in the region;
  - Impact on infrastructure and resources in the region;
  - Improved competitiveness of the region.
- Assess the impact of the solar energy project on tourism growth in the study area.
- Conduct an initial socio-economic needs analysis of the identified areas in collaboration with Makanaone Watt Hill (Pty) Ltd and local authorities which will also include:
  - Impact on employment;
  - Impact on income;
  - Impact on social lives of local communities;
  - Impact on social upliftment;
  - The analysis should also identify the key industries which operate within the identified areas and identify if possible LED projects that will stimulate the economy.
- Assess as far as possible the potential impact of the Makanaone Watt Hill solar energy project on property prices in the study area.
- Assess the economic impact of the Makanaone Watt Hill solar energy project on inward investment i.e. will it encourage or discourage investment to the study area.
- Assess the costs and benefits of the Makanaone Watt Hill solar energy project to the local economy.

- **DEA Request:**

viii. **Please ensure that the methodology for the impact assessment in the Plan of Study comply with all the relevant regulatory requirements for the impact assessment.**

- **EAP Response:**

According to Section 31(2)(l) of the NEMA regulations an assessment of each identified potentially significant impact, must include:

- (i) cumulative impacts;
- (ii) the nature of the impact;
- (iii) the extent and duration of the impact;
- (iv) the probability of the impact occurring;
- (v) the degree to which the impact can be reversed;
- (vi) the degree to which the impact may cause irreplaceable loss of resources; and
- (vii) the degree to which the impact can be mitigated;

Included below is the CES rating scale, please note that all aspects included above have been incorporated into the methodology.

**METHODOLOGY FOR ASSESSING THE SIGNIFICANCE OF IMPACTS**

Specialists are required to provide the reports in a specific layout and structure, so that a uniform specialist report volume can be produced. To ensure a direct comparison between various specialist studies, standard rating scales have been defined for assessing and quantifying the identified impacts. This is necessary since impacts have a number of parameters that need to be assessed.

Five factors need to be considered when assessing the significance of impacts, namely:

1. Relationship of the impact to **temporal** scales - the temporal scale defines the significance of the impact at various time scales, as an indication of the duration of the impact.
2. Relationship of the impact to **spatial** scales - the spatial scale defines the physical extent of the impact.
3. The severity of the impact - the **severity/beneficial** scale is used in order to scientifically evaluate how severe negative impacts would be, or how beneficial positive impacts would be on a particular affected system (for ecological impacts) or a particular affected party.

The severity of impacts can be evaluated with and without mitigation in order to demonstrate how serious the impact is when nothing is done about it. The word 'mitigation' means not just 'compensation', but also the ideas of containment and remedy. For beneficial impacts, optimization means anything that can enhance the benefits. However, mitigation or optimization must be practical, technically feasible and economically viable.

4. The **likelihood** of the impact occurring - the likelihood of impacts taking place as a result of project actions differs between potential impacts. There is no doubt that some impacts would occur (e.g. loss of vegetation), but other impacts are not as likely to occur (e.g. vehicle accident), and may or may not result from the proposed development. Although some impacts may have a severe effect, the likelihood of them occurring may affect their overall significance.

Each criterion is ranked with scores assigned as presented in the table below to determine the overall **significance** of an activity. The criterion is then considered in two categories, viz. effect of the activity and the likelihood of the impact. The total scores recorded for the effect and likelihood are then read off the matrix presented in the table below, to determine the overall significance of the impact. The overall significance is either negative or positive.

Ranking of Evaluation Criteria

<b>EFFECT</b>	<b>Temporal scale</b>		
	Short term	Less than 5 years	
	Medium term	Between 5 and 20 years	
	Long term	Between 20 and 40 years (a generation) and from a human perspective almost permanent.	
	Permanent	Over 40 years and resulting in a permanent and lasting change that will always be there	
	<b>Spatial Scale</b>		
	Localised	At localised scale and a few hectares in extent	
	Study area	The proposed site and its immediate environs	
	Regional	District and Provincial level	
	National	Country	
	International	Internationally	
	*	<b>Severity</b>	<b>Benefit</b>
	Slight / Slight Beneficial	Slight impacts on the affected system(s) or party(ies).	Slightly beneficial to the affected system(s) or party(ies).
Moderate / Moderate Beneficial	Moderate impacts on the affected system(s) or party (ies).	An impact of real benefit to the affected system(s) or party(ies).	
Severe / Beneficial	Severe impacts on the affected system(s) or party(ies).	A substantial benefit to the affected system(s) or party(ies).	
Very Severe / Very Beneficial	Very severe change to the affected system(s) or party (ies).	A very substantial benefit to the affected system(s) or party(ies).	
<b>LIKELIHOOD</b>	<b>Likelihood</b>		
	Unlikely	The likelihood of these impacts occurring is slight	
	May Occur	The likelihood of these impacts occurring is possible	
	Probable	The likelihood of these impacts occurring is probable	
	Definite	The likelihood is that this impact will definitely occur	



**Ranking matrix to provide an Environmental Significance**

Environmental Significance	
<b>LOW</b>	An acceptable impact which for which mitigation is desirable but not essential; The impact by itself is insufficient even in combination with other low impacts to prevent the development.  These impacts will result in either positive or negative medium to short term effects on the social and/or natural environment.
<b>MODERATE</b>	An important impact which requires mitigation. The impact is insufficient by itself to prevent the implementation of the project but which in conjunction with other impacts may prevent its implementation  These impacts will usually result in either positive or negative medium to long term effects on the social and/or natural environment
<b>HIGH</b>	A serious impact which, if not mitigated, may prevent the implementation of the project.  These impacts would be considered by society as constituting a major and usually long term change to the (natural and/or social) environment and result in severe effects or beneficial effects.
<b>VERY HIGH</b>	A very serious impact which may be sufficient by itself to prevent the implementation of the project. The impact may result in permanent change. Very often these impacts are unmitigable and usually result in very severe effects, or very beneficial effects

The *environmental significance* scale is an attempt to evaluate the importance of a particular impact. This evaluation needs to be undertaken in the relevant context, as an impact can either be ecological or social, or both. The evaluation of the significance of an impact relies heavily on the values of the person making the judgment. For this reason, impacts of especially a social nature need to reflect the values of the affected society.

**Cumulative Impacts**

Cumulative Impacts affect the significance ranking of an impact because it considers the impact in terms of both on-site and off-site sources. For example, the noise generated by an activity (on-site) may result in a value which is within the World Bank Noise Standards for residential areas. Activities in the surrounding area may also create noise, resulting in levels also within the World Bank Standards. If both on-site and off-site activities take place simultaneously, the total noise level at the specified receptor may exceed the World Bank Standards. For this reason it is important to consider impacts in terms of their cumulative nature.

**Seasonality**

Although seasonality is not considered in the ranking of the significance, it may influence the evaluation during various times of year. As seasonality will only influence certain impacts, it will only be considered for these, with management measures being imposed accordingly (i.e. dust suppression measures being implemented during the dry season).

**Prioritising**

The evaluation of the impacts, as described above is used to prioritise which impacts require mitigation measures. Negative impacts that are ranked as being of “**VERY HIGH**” and “**HIGH**” significance will be investigated further to determine how the impact can be minimised or what alternative activities or mitigation measures can be implemented. These impacts may also assist decision makers i.e. lots of **HIGH** negative impacts may bring about a negative decision. For impacts identified as having a negative impact of “**MODERATE**”

significance, it is standard practice to investigate alternate activities and/or mitigation measures. The most effective and practical mitigations measures will then be proposed. For impacts ranked as “LOW” significance, no investigations or alternatives will be considered. Possible management measures will be investigated to ensure that the impacts remain of low significance.

I hope that the above responses to the received comments meet the needs of the Environmental Officer. If you have any further questions or comments please do not hesitate to contact us at the numbers below.

Justin Green

**Environmental Consultant**

Tel: 046-622 2364

Fax: 046-622 6564

Email: [j.green@cesnet.co.za](mailto:j.green@cesnet.co.za)

APPENDIX A - Notification to Surrounding Land Owners

From: Justin Green <j.green@cesnet.co.za> Sent: Thu 2012/06/07 10:54 AM

To: 'thinus@hellspoort.co.za'; 'gro@cybertrade.co.za'; 'MBristow@randgoldresources.com'; 'grant@aptrac.com'; 'pohlands@imagineit.co.za'; 'mvonhassel@gmail.com'; 'lee@rockdale.co.za'; 'rpearse@pehotels.co.za'; 'briannacathy@mweb.co.za'; 'p.rose@ru.ac.za'; 'anele.kwayimani@webmail.co.za'; 'palmer@tsnet.co.za'; 'rfim.dbn@vodamail.co.za'; 'angus@kwandwe.co.za'; 'mandisa.mondi@transnet.net'

Cc: Jadon Schmidt

Subject: CES : Inception notification for an Environmental Impact Assessment

Message:  BID - Riebeeck East - Turbines.pdf (851 KB)  BID - Riebeeck East - Solar.pdf (986 KB)  
 Surrounding Land Owners.pdf (132 KB)



**To all surrounding landowners**

Please find attached a copy of the inception notification for the Environmental Impact Assessment process for proposed Wind and Solar energy projects in the Riebeeck East area, Eastern Cape.

The proposed projects include 77 wind turbines as well as 4 separate solar farms. Attached are two Background Information Documents (BID) that provide further information including maps showing the proposed project areas.

If you have any comments or questions, please do not hesitate to contact me.

Regards

**Justin Green**  
Junior Environmental Consultant



**Coastal & Environmental Services**  
67 African Street, Grahamstown, 6139  
P.O. Box 824, Grahamstown, 6140

From: Justin Green <j.green@cesnet.co.za> Sent: Fri 2012/09/14 10:03 AM

To: 'angus@kwandwe.co.za'; 'barryp@isat.co.za'; 'briannacathy@mweb.co.za'; 'pohlands@imagnet.co.za'; 'mvonhassel@gmail.com'; 'grant@aptrac.com'; 'lee@rockdale.co.za'; 'rfm.dbn@vodamail.co.za'; 'anele.kwayimani@webmail.co.za'; 'mandisa.mondi@transnet.net'; 'MBristow@randgoldresources.com'; 'palmer@itsnet.co.za'; 'p.rose@ru.ac.za'; 'gro@cybertrade.co.za'; 'rpearse@pehotels.co.za'; 'thinus@hellspoor.co.za'

Cc:

Subject: Release of Terra Power Solutions Draft Scoping Reports for Public Review and Comment

Message Release of DSR - Surrounding Landowners.pdf (239 KB)

Dear Surrounding Landowners

**TERRA POWER SOLUTIONS WIND AND SOLAR ENERGY PROJECTS: RELEASE OF DRAFT SCOPING REPORT FOR PUBLIC REVIEW AND COMMENT**

Please be advised the draft Scoping Report for this project has been released and is available for public review until the **3rd of November 2012**. A hard copy of the report can be viewed at the Grahamstown Public Library. The report is also available for download from the CES website: <http://www.cesnet.co.za/public-documents.html>


**There will be a public meeting on the 25<sup>th</sup> of September 2012 at the Highlander in Grahamstown starting at 6pm.** There will be a 20 to 30 minute presentation, followed by an opportunity to ask questions, comment, or raise concerns.

Please find attached a full release notification letter.

Feel free to contact me if there are any queries, and please submit comments to myself.

Yours sincerely,

**Justin Green**  
Junior Environmental Consultant



APPENDIX B – Basic Information Document (BID)

**BACKGROUND INFORMATION DOCUMENT & INVITATION TO COMMENT:  
Construction of a 75 MW Photovoltaic Energy Generating Facility in the  
region of Riebeeck East, Eastern Cape Province**

**AIM OF THIS DOCUMENT**

The aim of this Background Information Document is to provide stakeholders with information about this project, the process being followed and to provide them with an opportunity to be involved in the forthcoming environmental assessment process by registering as an Interested and Affected Party (IAP).

IAPs are encouraged to raise issues or concerns relevant to the project for consideration in the Scoping Report process that is to be conducted in order to secure the required environmental authorisation.

The final Scoping Report will be submitted to the National Department of Environmental Affairs (Pretoria) for decision making.

To register as an IAP please send your name and contact details to:

Mr Justin Green  
P.O. Box 934  
Grahamstown, 6140  
Tel: (046) 622 2364  
Fax: (046) 622 6564

Email: [j.green@cesnet.co.za](mailto:j.green@cesnet.co.za)

OR

Mr. Jadon Schmidt

Email: [j.schmidt@cesnet.co.za](mailto:j.schmidt@cesnet.co.za)

Your involvement in this process is critical, and will help ensure that all relevant issues are raised and assessed in the Basic Assessment process



**PROJECT DESCRIPTION**

Terra Power Solutions (Pty) Ltd proposes to develop a photovoltaic (PV – or solar panel) electricity generating facility for the production of ±75 MW of energy on four portions of land in the Riebeeck East Region. The site will include Brack Kloof (120 hectares), Table Hill (120 hectares), Watt Hill (132 hectares) and Hilton (150 hectares)

The proposed sites are located near Riebeeck East; Makana Municipality in the Eastern Cape Province of South Africa (refer to Figures 1 and 2 below).

Coastal and Environmental Services (CES) has been appointed by the applicant to conduct the environmental assessment process.

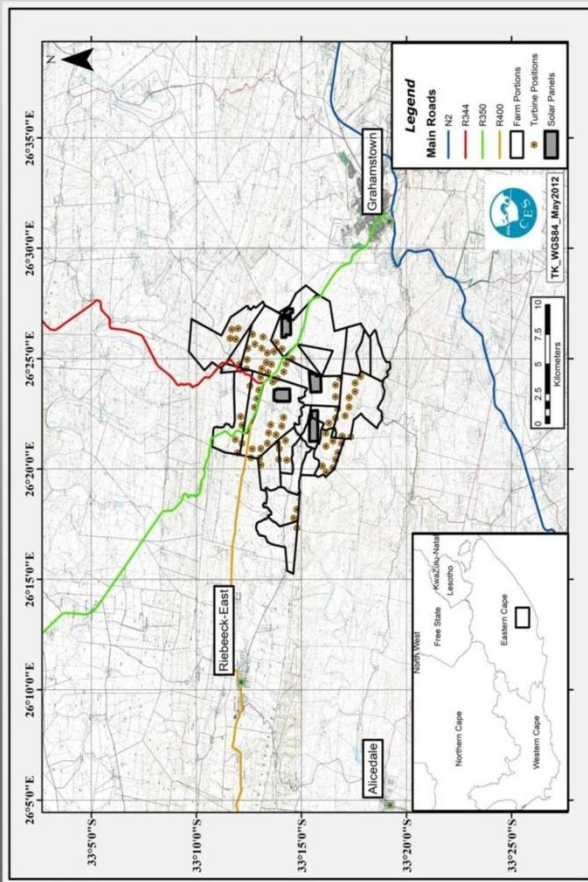


Figure 1: Project area overview

**RELEVANT LEGISLATION**

The proposed project requires a Scoping Report to be undertaken in terms of the 2010 EIA Regulations (GNR 543 of 18 June 2010) as the proposed project triggers activities listed in GNR 545, not limited to those as shown in the table below. As a result the applicant is required to undertake a Full Scoping Report as well as an Environmental Impact Assessment (EIA) process.

GNR 544	(10). The construction of facilities or infrastructure for the transmission and distribution of electricity- (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.  (11). The construction of: (i) canals; (ii) channels; (iii) bridges; (vi) bulk storm water outlet structures; where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line
GNR 545	(1). The construction of facilities or infrastructure for the generation of electricity where the electricity output is 20 megawatts or more  (11). Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20 hectares or more;
GNR 546	(4). The construction of road wider than 4 metres with a reserve less than 13,5 metres.  (12). The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation  (14). The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetation cover constitutes indigenous vegetation.  (19). The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre

**POTENTIAL IMPACTS**

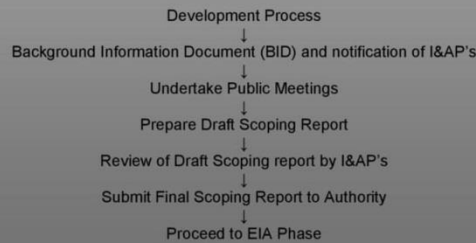
A number of potential issues will be assessed during the scoping process and these are:

- Loss of indigenous vegetation and habitat for fauna
- Impact on indigenous fauna (e.g. red data species)
- Visual impacts on local game reserves and lodges
- It is not anticipated that any features of heritage or cultural significance are present in the project area

**APPROACH TO THE SCOPING PHASE**

The Scoping Phase is important for informing the public and relevant authorities about the nature and size of the proposed project. A critical component of the Scoping Phase is the Public Participation Process, in which Interested and Affected Parties (I&APs) are given an opportunity to raise any issues or concerns they may have about the project. The process is outlined in the figure below. The Draft Scoping Report will be made available for review by the public and all registered I&APs will be notified to the availability thereof. This report will set the scope and specialist terms of reference for the EIA Phase.

**The Scoping Process**



**HOW CAN YOU BE INVOLVED?**

A Public Participation Process (PPP) is being conducted as part of the Scoping Process. The aim of the PPP is to allow everyone who is interested in, or likely to be affected by, the proposed development to provide input into the process.

**The Public Participation Process will include:**

- Advertisements in local newspapers;
- Notice Boards on site and an electronic notice will be placed at the CDC;
- Circulation of the BID (this document) to all IAPs identified;
- Draft BAR comment period and public meeting in the Coega area; and

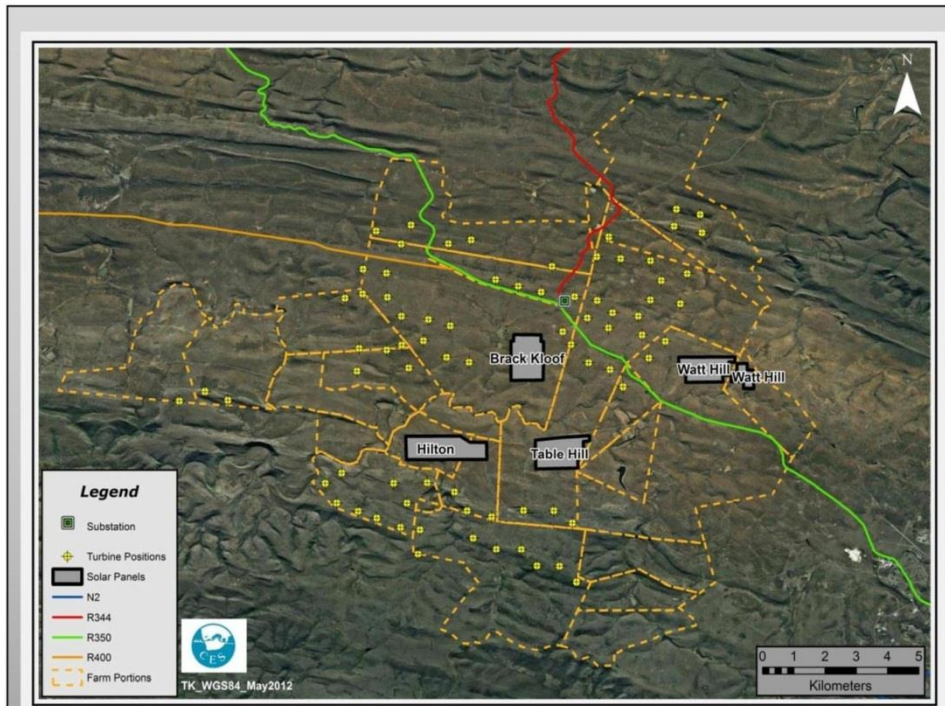


Figure 2: Proposed solar project sites – Brack Kloof, Hilton, Table Hill and Watt Hill



Figure 3: A PV solar panel array similar to that proposed for the project





## APPENDIX F: SPECIES LIST OF POTENTIAL SPECIES OF SPECIAL CONCERN THAT COULD POSSIBLY OCCUR AT THE STUDY SITE (SIBIS, 2012)

Genus and Species	IUCN	CITES	Red Data List	PNCO	NA
<i>Acacia baileyana</i>	NA	NA	NE	NA	NA
<i>Acacia cyclops</i>	NA	NA	NE	NA	NA
<i>Acacia fimbriata</i>	NA	NA	NE	NA	NA
<i>Acacia karroo</i>	NA	NA	NE	NA	NA
<i>Acacia longifolia</i>	NA	NA	NE	NA	NA
<i>Acacia mearnsii</i>	NA	NA	NE	NA	NA
<i>Acacia saligna</i>	NA	NA	NE	NA	NA
<i>Acanthospermum glabratum</i>	NA	NA	NE	NA	NA
<i>Achyranthes aspera</i> var. <i>aspera</i>	NA	NA	NE	NA	NA
<i>Achyranthes aspera</i> var. <i>sicula</i>	NA	NA	NE	NA	NA
<i>Acokanthera oppositifolia</i>	NA	NA	LC	Schedule 4	NA
<i>Acrolophia capensis</i>	NA	II	LC	NA	NA
<i>Acrolophia cochlearis</i>	NA	II	LC	NA	NA
<i>Adenium multiflorum</i>	NA	NA	LC	Schedule 4	NA
<i>Agathosma bicornuta</i>	NA	NA	EN	NA	NA
<i>Agathosma</i> sp.	NA	NA	Critically rare	NA	NA
<i>Aloe micracantha</i>	NA	NA	NT	NA	NA
<i>Aloe striata</i> subsp. <i>karasbergensis</i>	NA	NA	VU	NA	NA
<i>Alsophila capensis</i>	NA	NA	Declining	NA	NA
<i>Alternanthera pungens</i>	NA	NA	NE	NA	NA
<i>Amaranthus hybridus</i> subsp. <i>hybridus</i> var. <i>hybridus</i>	NA	NA	NE	NA	NA
<i>Ammocharis coranica</i>	NA	NA	LC	Schedule 4	NA
<i>Anacampseros filamentosa</i> subsp. <i>filamentosa</i>	NA	II	LC	Schedule 4	NA
<i>Anagallis arvensis</i> subsp. <i>arvensis</i>	NA	NA	NE	NA	NA
<i>Anisotoma cordifolia</i>	NA	NA	LC	Schedule 4	NA
<i>Apium graveolens</i>	NA	NA	NE	NA	NA
<i>Apodolirion macowanii</i>	NA	NA	VU	Schedule 4	NA
<i>Aptenia cordifolia</i>	NA	NA	LC	Schedule 4	NA
<i>Aptenia cordifolia</i>	NA	NA	LC	NA	NA
<i>Aptenia haeckeliana</i>	NA	NA	LC	Schedule 4	NA
<i>Aptenia haeckeliana</i>	NA	NA	LC	NA	NA
<i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i>	NA	NA	NE	NA	NA
<i>Argyrobium trifoliatum</i>	NA	NA	Threatened	NA	NA
<i>Aristea abyssinica</i>	NA	NA	LC	Schedule 4	NA
<i>Aristea abyssinica</i>	NA	NA	LC	NA	NA
<i>Aristea anceps</i>	NA	NA	LC	Schedule 4	NA
<i>Aristea anceps</i>	NA	NA	LC	NA	NA
<i>Aristea dichotoma</i>	NA	NA	LC	Schedule 4	NA
<i>Aristea dichotoma</i>	NA	NA	LC	NA	NA
<i>Aristea pusilla</i>	NA	NA	LC	Schedule 4	NA

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<i>Aristea pusilla</i>	NA	NA	LC	NA	NA
<i>Arundo donax</i>	NA	NA	NE	NA	NA
<i>Asclepias albens</i>	NA	NA	LC	Schedule 4	NA
<i>Asclepias crispa</i> var. <i>crispa</i>	NA	NA	LC	Schedule 4	NA
<i>Asclepias dregeana</i> var. <i>dregeana</i>	NA	NA	NA	Schedule 4	NA
<i>Asclepias expansa</i>	NA	NA	LC	Schedule 4	NA
<i>Aspalathus argyrophanes</i>	NA	NA	Rare	NA	NA
<i>Aspalathus gerrardii</i>	NA	NA	VU	NA	NA
<i>Asparagus stipulaceus</i>	NA	NA	NT	NA	NA
<i>Aspidoglossum carinatum</i>	NA	NA	LC	Schedule 4	NA
<i>Aspidonepsis diploglossa</i>	NA	NA	NA	Schedule 4	NA
<i>Aster squamatus</i>	NA	NA	NE	NA	NA
<i>Atriplex lindleyi</i> subsp. <i>inflata</i>	NA	NA	NE	NA	NA
<i>Atriplex littoralis</i>	NA	NA	NE	NA	NA
<i>Bidens pilosa</i>	NA	NA	NE	NA	NA
<i>Bobartia gracilis</i>	NA	NA	LC	Schedule 4	NA
<i>Bobartia gracilis</i>	NA	NA	LC	NA	NA
<i>Bobartia orientalis</i> subsp. <i>orientalis</i>	NA	NA	Rare	Schedule 4	NA
<i>Bobartia orientalis</i> subsp. <i>orientalis</i>	NA	NA	Rare	NA	NA
<i>Bonatea speciosa</i> var. <i>antennifera</i>	NA	II	LC	NA	NA
<i>Bonatea speciosa</i> var. <i>antennifera</i>	NA	II	LC	NA	NA
<i>Boophone disticha</i>	NA	NA	Declining	Schedule 4	NA
<i>Brachycorythis macowaniana</i>	NA	II	LC	NA	NA
<i>Brachycorythis macowaniana</i>	NA	II	LC	NA	NA
<i>Brachystelma comptum</i>	NA	NA	VU	Schedule 4	NA
<i>Brachystelma macropetalum</i>	NA	NA	LC	Schedule 4	NA
<i>Brachystelma minimum</i>	NA	NA	Rare	Schedule 4	NA
<i>Brachystelma rubellum</i>	NA	NA	LC	Schedule 4	NA
<i>Brachystelma schizoglossoides</i>	NA	NA	LC	Schedule 4	NA
<i>Briza maxima</i>	NA	NA	NE	NA	NA
<i>Briza minor</i>	NA	NA	NE	NA	NA
<i>Bromus catharticus</i>	NA	NA	NE	NA	NA
<i>Brownleea coerulea</i>	NA	II	LC	NA	NA
<i>Brownleea coerulea</i>	NA	II	LC	NA	NA
<i>Brownleea parviflora</i>	NA	II	LC	NA	NA
<i>Brownleea parviflora</i>	NA	II	LC	NA	NA
<i>Brunsvigia grandiflora</i>	NA	NA	LC	Schedule 4	NA
<i>Brunsvigia gregaria</i>	NA	NA	LC	Schedule 4	NA
<i>Callistemon rigidus</i>	NA	NA	NE	NA	NA
<i>Calopsis paniculata</i>	NA	NA	NE	NA	NA
<i>Capsella bursa-pastoris</i>	NA	NA	NE	NA	NA
<i>Carissa bispinosa</i>	NA	NA	LC	Schedule 4	NA
<i>Carpobrotus edulis</i> subsp. <i>edulis</i>	NA	NA	LC	Schedule 4	NA
<i>Carpobrotus edulis</i> subsp. <i>edulis</i>	NA	NA	LC	NA	NA
<i>Cassytha filiformis</i>	NA	NA	NE	NA	NA
<i>Centaurea cyanus</i>	NA	NA	NE	NA	NA

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<i>Centaurea melitensis</i>	NA	NA	NE	NA	NA
<i>Ceratandra grandiflora</i>	NA	II	LC	NA	NA
<i>Ceratandra grandiflora</i>	NA	II	LC	NA	NA
<i>Ceropegia ampliata</i> var. <i>ampliata</i>	NA	NA	LC	Schedule 4	NA
<i>Ceropegia bowkeri</i> subsp. <i>sororia</i>	NA	NA	LC	Schedule 4	NA
<i>Ceropegia carnosa</i>	NA	NA	LC	Schedule 4	NA
<i>Ceropegia stapeliiformis</i> subsp. <i>stapeliiformis</i>	NA	NA	LC	Schedule 4	NA
<i>Chasmanthe aethiopica</i>	NA	NA	LC	Schedule 4	NA
<i>Chasmanthe aethiopica</i>	NA	NA	LC	NA	NA
<i>Chenopodium carinatum</i>	NA	NA	NE	NA	NA
<i>Chenopodium glaucum</i>	NA	NA	NE	NA	NA
<i>Chenopodium murale</i> var. <i>murale</i>	NA	NA	NE	NA	NA
<i>Chenopodium pumilio</i>	NA	NA	NE	NA	NA
<i>Chenopodium schraderianum</i>	NA	NA	NE	NA	NA
<i>Cirsium vulgare</i>	NA	NA	NE	NA	NA
<i>Clivia nobilis</i>	NA	NA	VU	Schedule 4	NA
<i>Conyza bonariensis</i>	NA	NA	NE	NA	NA
<i>Coronopus didymus</i>	NA	NA	NE	NA	NA
<i>Corpuscularia taylori</i>	NA	NA	LC	Schedule 4	NA
<i>Corpuscularia taylori</i>	NA	NA	LC	NA	NA
<i>Cotyledon adscendens</i>	NA	NA	EN	NA	NA
<i>Crassula perfoliata</i> var. <i>coccinea</i>	NA	NA	LC	Schedule 4	NA
<i>Crassula perfoliata</i> var. <i>minor</i>	NA	NA	LC	Schedule 4	NA
<i>Crassula rupestris</i> subsp. <i>commutata</i>	NA	NA	Rare	NA	NA
<i>Crassula vaillantii</i>	NA	NA	NE	NA	NA
<i>Crinum campanulatum</i>	VU	NA	NT	Schedule 4	NA
<i>Crinum macowanii</i>	NA	NA	Declining	Schedule 4	NA
<i>Crinum macowanii</i> subsp. <i>confusum</i>	NA	NA	Declining	Schedule 4	NA
<i>Curtisia dentata</i>	NA	NA	NT	NA	NA
<i>Cuscuta campestris</i>	NA	NA	NE	NA	NA
<i>Cyathea capensis</i> var. <i>capensis</i>	NA	II	NA	NA	Protected Tree List
<i>Cymbopogon pospischilii</i>	NA	NA	NE	NA	NA
<i>Cynanchum ellipticum</i>	NA	NA	LC	Schedule 4	NA
<i>Cyrtanthus clavatus</i>	NA	NA	DDT	Schedule 4	NA
<i>Cyrtanthus obliquus</i>	NA	NA	Declining	Schedule 4	NA
<i>Cyrtanthus parviflorus</i>	NA	NA	NA	Schedule 4	NA
<i>Cyrtanthus smithiae</i>	NA	NA	LC	Schedule 4	NA
<i>Cyrtanthus</i> sp.	NA	NA	NA	Schedule 4	NA
<i>Cyrtorchis arcuata</i> subsp. <i>arcuata</i>	NA	II	LC	NA	NA
<i>Cyrtorchis arcuata</i> subsp. <i>arcuata</i>	NA	II	LC	NA	NA
<i>Datura stramonium</i>	NA	NA	NE	NA	NA
<i>Delosperma affine</i>	NA	NA	LC	Schedule 4	NA
<i>Delosperma affine</i>	NA	NA	LC	NA	NA
<i>Delosperma cooperi</i>	NA	NA	LC	Schedule 4	NA
<i>Delosperma cooperi</i>	NA	NA	LC	NA	NA
<i>Delosperma ecklonis</i>	NA	NA	LC	Schedule 4	NA

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<i>Delosperma ecklonis</i>	NA	NA	LC	NA	NA
<i>Delosperma frutescens</i>	NA	NA	LC	Schedule 4	NA
<i>Delosperma frutescens</i>	NA	NA	LC	NA	NA
<i>Delosperma hollandii</i>	NA	NA	LC	Schedule 4	NA
<i>Delosperma hollandii</i>	NA	NA	LC	NA	NA
<i>Delosperma multiflorum</i>	NA	NA	LC	Schedule 4	NA
<i>Delosperma multiflorum</i>	NA	NA	LC	NA	NA
<i>Delosperma sp.</i>	NA	NA	NA	Schedule 4	NA
<i>Diascia cuneata</i>	NA	NA	LC	Schedule 4	NA
<i>Diascia sp.</i>	NA	NA	NA	Schedule 4	NA
<i>Dicrothamnus rhinocerotis</i>	NA	NA	NE	NA	NA
<i>Dietes iridioides</i>	NA	NA	LC	Schedule 4	NA
<i>Dietes iridioides</i>	NA	NA	LC	NA	NA
<i>Digitaria sanguinalis</i>	NA	NA	NE	NA	NA
<i>Dioscorea elephantipes</i>	NA	NA	Declining	NA	NA
<i>Dioscorea sylvatica</i> var. <i>sylvatica</i>	NA	NA	NE	NA	NA
<i>Disa bracteata</i>	NA	II	LC	NA	NA
<i>Disa bracteata</i>	NA	II	LC	NA	NA
<i>Disa brevicornis</i>	NA	II	LC	NA	NA
<i>Disa brevicornis</i>	NA	II	LC	NA	NA
<i>Disa caulescens</i>	NA	II	LC	NA	NA
<i>Disa caulescens</i>	NA	II	LC	NA	NA
<i>Disa lugens</i> var. <i>lugens</i>	NA	II	EN	NA	NA
<i>Disa lugens</i> var. <i>lugens</i>	NA	II	EN	NA	NA
<i>Disa patula</i> var. <i>patula</i>	NA	II	LC	NA	NA
<i>Disa patula</i> var. <i>patula</i>	NA	II	LC	NA	NA
<i>Disa polygonoides</i>	NA	II	LC	NA	NA
<i>Disa polygonoides</i>	NA	II	LC	NA	NA
<i>Disa porrecta</i>	NA	II	LC	NA	NA
<i>Disa porrecta</i>	NA	II	LC	NA	NA
<i>Disa racemosa</i>	NA	II	LC	NA	NA
<i>Disa racemosa</i>	NA	II	LC	NA	NA
<i>Disa sagittalis</i>	NA	II	LC	NA	NA
<i>Disa sagittalis</i>	NA	II	LC	NA	NA
<i>Disperis capensis</i> var. <i>capensis</i>	NA	II	LC	NA	NA
<i>Disperis capensis</i> var. <i>capensis</i>	NA	II	LC	NA	NA
<i>Disperis lindleyana</i>	NA	II	LC	NA	NA
<i>Disperis lindleyana</i>	NA	II	LC	NA	NA
<i>Drimia altissima</i>	NA	NA	Declining	NA	NA
<i>Drosanthemum fourcadei</i>	NA	NA	LC	Schedule 4	NA
<i>Drosanthemum fourcadei</i>	NA	NA	LC	NA	NA
<i>Drosanthemum hispidum</i>	NA	NA	LC	Schedule 4	NA
<i>Drosanthemum hispidum</i>	NA	NA	LC	NA	NA
<i>Drosanthemum lique</i>	NA	NA	LC	Schedule 4	NA
<i>Drosanthemum lique</i>	NA	NA	LC	NA	NA
<i>Drosanthemum sp.</i>	NA	NA	NA	Schedule 4	NA