

**BASIC ASSESSMENT AND
PUBLIC PARTICIPATION PROCESS
KHUNAB SOLAR DEVELOPMENT CONSISTING OF
MCTAGGARTS PV1, MCTAGGARTS PV2, MCTAGGARTS
PV3, KLIP PUNT PV1, KHUNAB SOLAR GRID CONNECTION
AND
ASSOCIATED INFRASTRUCTURE NEAR UPINGTON,
NORTHERN CAPE PROVINCE**

**NOTES OF FOCUS GROUP MEETING HELD WITH DAWID KRUIPER AND KAI
!GARIB LOCAL MUNICIPALITIES
HELD ON THURSDAY, 28 NOVEMBER 2019
VENUE: COMMITTEE ROOM, DAWID KRUIPER LOCAL MUNICIPAL OFFICES,
UPINGTON**

Notes for the Record prepared by:

Nicolene Venter

Savannah Environmental (Pty) Ltd

E-mail: publicprocess@savannahsa.com

*Please note that these notes are not verbatim, but a summary of the comments submitted at the meeting.
Please address any comments to Savannah Environmental at the above address*

KHUNAB SOLAR DEVELOPMENT CONSISTING OF McTAGGARTS PV1, McTAGGARTS PV2, McTAGGARTS PV3, KLIP PUNT PV1 AND THE KHUNAB SOLAR GRID CONNECTION AND ASSOCIATED INFRASTRUCTURE NEAR UPINGTON, NORTHERN CAPE PROVINCE

Venue: Committee Room, Dawid Kruiper Local Municipality, Upington

Date: Thursday, 28 November 2019

Time: 10h00

LIST OF ABBREVIATIONS / ACRONYMS

AC	Alternating Current	BA	Basic Assessment
BAR	Basic Assessment Report	BARs	Basic Assessment Reports
BID	Background Information Document	DC	Direct Current
DKLM	Dawid Kruiper Local Municipality	EA	Environmental Authorisation
ED	Economic Development	FGM	Focus Group Meeting
I&AP	Interested and Affected Party	IDP	Infrastructure Development Plan
PM	Public Meeting	REDZ	Renewable Energy Development Zone

MEETING ATTENDEES

Name	Organisation	Position
Mr Simon May	Dawid Kruiper Local Municipality	Senior Socio-Economic Development Officer
Mr Abraham Snyders		Director: Electromechanical Services
Mr Franco Ruiters		Director: Local Economic Development
Mr Michael Maasdorp	Abengoa South Africa	Community Liaison Officer
Mr Llewellyn Maasdorp		Khi Solar One Environmental Manager
Mr Reuben Maroga	Savannah Environmental	Environmental Assessment Practitioner
Ms Nicolene Venter		Public Participation Practitioner

APOLOGIES

Kai !Garib Local Municipality Officials

WELCOME AND INTRODUCTION

Nicolene Venter welcomed all present at the meeting and the time they made available to attend the meeting. She introduced herself and requested the attendees to introduce themselves and their respective roles.

She informed the attendees that the Focus Group Meeting (FGM) was held with the aim to present the need for the projects, the Basic Assessment and Public Participation Processes and to present the key environmental findings as documented in the Basic Assessment Reports (BARs). Additionally, the

FGM was held to obtain any comments or concerns from Dawid Kruiper and Kai !Garib Local Municipality Officials regarding the proposed projects.

An important point to be noted was that although the Basic Assessment Report (BAR) for the Khunab Grid Connection was not yet available for public review and comment and that the presentation does include the impacts and mitigation measures proposed by the specialists for the Khunab Grid Connection. It is envisaged that the BAR will be available mid-January 2020 for review and comment and that the Municipalities will receive their notification thereof.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Reuben presented the background to the proposed projects by informing the attendees that the applicant, Abengoa South Africa, is proposing the development of the following projects:

Project Name	Applicant
McTaggarts PV1	McTaggarts PV1 (Pty) Ltd
McTaggarts PV2	McTaggarts PV2 (Pty) Ltd
McTaggarts PV3	McTaggarts PV3 (Pty) Ltd
Klip Punt PV1	Klip Punt PV1 (Pty) Ltd
Khunab Solar Grid Connection	McTaggarts PV1 (Pty) Ltd

The proposed PV developments are situated approximately 20 km south-west of Upington located within the Kai !Garib and Dawid Kruiper Local Municipalities and within the greater ZF Mgcawu District Municipality, Northern Cape Province.

It was explained that the development areas for the solar PV projects is located within Zone 7 of the Renewable Energy Development Zones (REDZ), known as the Upington REDZ. The procedure to be followed in applying for environmental authorisation for a large-scale project in a REDZ was formally gazetted on 16 February 2018 (in GN R113 and GN R114). As the projects are located within one of the eight REDZ areas, the Khunab Solar Development solar PV facilities are subjected to a Basic Assessment (BA) and not a full EIA process.

The proposed PV solar projects will have a contracted capacity of up to 75MW each and will make use of multiple arrays of PV solar panels. Each of the solar PV facilities will include the following components:

- » Arrays of PV solar panels – static and/or tracking
 - of up to 3.5m in height once installed.
- » Mounting structures to support the PV panels.
- » On-site inverters to convert the power from a Direct Current (DC) to an Alternating Current (AC).
- » Main access and internal access roads.
- » Temporary laydown area.
- » Auxiliary buildings.

A 300m wide corridor (increases up to 700m wide near the Upington Main Transmission Substation (MTS)) was assessed for the BA process. The grid connection will consist of the following primary elements

environmental study purpose and the grid connection will consist of the following primary elements:

- » A single circuit 132kV power line of up to 13km in length.
- » 2 Collector substations (including switching station components) each up to 1.5ha.
- » 2 Main access roads.

Outcome of Environmental Assessments

A summary of the various environmental assessments undertaken for the four (4) proposed solar PV projects and the grid connection and documented in the BARs were presented.

The presentation is attached as **Appendix A** to the meeting notes.

DISCUSSION SESSION

Question / Comment	Response
Nicolene Venter informed the attendees that, as advertised in the local community newspaper, Gemsbok, that the public meeting is taking place at 17h00 at the Kalksloot Community Hall, Druwe Street, Olyvenhouts Drift Settlement. The public meeting was arranged in consultation with the Ward Councillor, Cllr Maasdorp.	The attendees acknowledge the information provided.
Abraham Snyders informed the project team that it is important that the developer, once selected as a preferred bidder, and the DKLM approach social developments such as road infrastructures, from an integrated point of view, as it is important that funds be contributed to the DKLM IDP by all parties to expedite infrastructure that would benefit the communities. Currently developments are being undertaken in isolation. It was also stated that the DKLM economic development (ED) initiatives are transparent and are not taking place in isolation.	Llewellyn Maasdorp acknowledged the approach recommended by Mr Snyders and should they be appointed as preferred bidders; consultation will take place with the relevant Officials at DKLM.
Abraham Snyders, enquiring regarding the size of the Upington REDZ as he would like to determine whether the renewable energy	The link to Savannah Environmental's website to download the REDZ Gazette and Transmission Corridors was e-mailed to Mr Snyders (all attendees CC) on 11 December 2019.

<p>development planned by the DKLP on their property, Klip Kraal, falls within the REDZ.</p>	<p>A follow-up e-mails was sent to Mr Snyders (all attendees CC) to which the KML file for the REDZ and Grid Connection corridor on 17 December 2019.</p>
<p>Mr May informed the project team that it is envisaged that written comments will be submitted after they reviewed the BARs.</p>	<p>Nicolene Venter thanked Mr May for the information and replied that the team is looking forward to the DKLM written comments.</p>
<p>Mr Franco Ruiters enquired at what stage of the BA process can people register as an I&AP.</p>	<p>Nicolene Venter replied that I&AP can register from the start of the BA and public participation processes. The BA and public participation process was announced on 09 October 2019 and advertised in the local community newspaper, Gemsbok, published 15 November 2019 in which the BARs were announced and invitation to the PM extended.</p> <p>Savannah Environmental conducted various environmental processes in the study area and as a result there is a database of I&APs within the study area and these I&APs received via e-mail the BID and all further communication regarding these projects.</p>
<p>Franco Ruiters informed the project team that it is believed that Savannah Environmental has the project information on their website and the reason for his question regarding registration is that Savannah Environmental will keep I&APs informed regarding the progress of the proposed developments.</p>	<p>Nicolene Venter responded that all public documents relevant to the proposed developments are available on Savannah Environmental's website. However, it is important to note that Savannah Environmental's scope of work ends when the EA is issued, i.e. our last communication to registered I&APs will be to inform them that the Department issued the EA.</p>
<p>Franco Ruiters informed the project team that the DKLM utilised these type of consultation and project information to update their IDP and it is noted that after conclusion of the environmental consultation process that the project owner will inform DKLM of the progress regarding the proposed developments to ensure that the IDP is updated accordingly.</p> <p>The project team was further informed that the public participation for DKLM IDP ended 22 October 2019 and it was useful for the Officials to be aware of these projects upfront</p>	<p>Michael Maasdorp acknowledged the need for ongoing communication as was also mentioned by Mr Snyders, especially in terms of projects taking place in isolation. The attendees were informed that Abengoa convenes monthly meetings with the various M=municipalities and it is important that these are attended as this is the platform where consolidated projects can be discussed.</p>


as the question is usually raised by community members to the Municipal Officials as to whether they are aware of these projects	
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WAY FORWARD AND CLOSURE

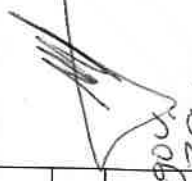
Nicolene Venter thanked the attendees for their valuable inputs into the Basic Assessment process. The meeting was closed at 11h45.

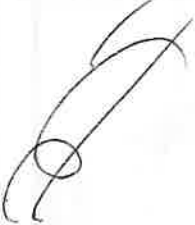
ATTENDANCE REGISTER


Project	KHUNAB SOLAR DEVELOPMENT CONSISTING OF: McTaggart PV 1, McTaggart PV2, McTaggart PV3 & Klip Punt PV1 & Khunab Solar Grid Connection		Meeting	FOCUS GROUP MEETING: Dawid Kruijer & Kai Garib Local Municipality Officials	
Date	Thursday, 28 November 2019	Time	10h00	Venue	Dawid Kruijer Local Municipality, Upington

Organization	Name & Postal Address	Contact Details	Signature
Savannah Environmental Public Participation Consultants	Nicolas Venter PO Box Sunninghill	Tel: 011 686 3237 Fax: Cell: 0833 77 9112 Email: nic@savannahenv.co.za	


Organization	Name & Postal Address	Contact Details	Signature
DKM LED/Tourism DEPT Snr Socio Econ Dev. Officer	Simon P. May Mutual str DKM UPINGTON	Tel: 054 338 7087 Fax: Cell: 078 017 1324 Email: Simon.may@dkm.gov.za	


Organization	Name & Postal Address	Contact Details	Signature
DKM ELECTRO MECH SERVICES DIRECTOR	AJ SNYDERS 1. MUTUAL STREET. DKM. UPINGTON	Tel: 054 338 7154 Fax: Cell: 0766939626 Email: abraham.snyders@dkm.gov.za	

Organization	Name & Postal Address	Contact Details	Signature
Abengoa South Africa	Llewellyn Ivan Maasdorp	Tel: 062 059 4721	
Designation		Fax:	
Khi Solar One		Cell: 062 059 4721	
ENVIRONMENTAL MANAGER		Email: llewellyn.maasdorp@abengoa.com	

Organization	Name & Postal Address	Contact Details	Signature
Abengoa South Africa	MICHAEL MAASDORP	Tel:	
Designation		Fax:	
COMMUNITY Liaison		Cell: 082 886 6789	
KHI, KAXU & XINA SOLAR ONE		Email: michael.maasdorp@abengoa.com	

Organization	Name & Postal Address	Contact Details	Signature
Environmental Consultant C		Tel:	
Designation		Fax:	
		Cell:	
		Email:	

Organization	Name & Postal Address	Contact Details	Signature
Savannah Environm ental (Pty) Ltd	Reuben Mavaga	Tel: 011 656 3237	
Designation		Fax:	
Consultant		Cell: 071461820	
		Email: reuben@savannahsa	

Organization	Name & Postal Address	Contact Details	Signature
Daphin Group Application	Mutual Street Wynnington 2280	Tel: 0843387113 Fax: Cell: 0827472961 Email: franco.ruilers@dngr.com	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
		Tel: Fax: Cell: Email:	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
		Tel: Fax: Cell: Email:	
Designation			


Organization	Name & Postal Address	Contact Details	Signature
		Tel: Fax: Cell: Email:	
Designation			

APPENDIX A

**KHUNAB SOLAR DEVELOPMENT CONSISTING OF
McTAGGARTS PV1, McTAGGARTS PV2, McTAGGARTS
PV3, KLIP PUNT PV1 AND THE KHUNAB SOLAR GRID
CONNECTION,
NORTHERN CAPE PROVINCE**

Focus Group Meetings

28 November 2019



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MEETING AGENDA

1. Welcome & Introduction
2. Purpose of the Meeting
3. Project Overview
4. Overview of BA Process
5. Results of the BA Process
6. Discussion Session
7. Way Forward



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WELCOME & INTRODUCTION


- » Savannah Environmental
- » Abengoa South Africa



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SAVANNAH ENVIRONMENTAL

- » Appointed as the independent **Environmental Assessment Practitioners (EAPs)**
- » Responsible for:
 - **Basic Assessment (BA) Process**
 - **Public Participation (PP) Process**



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» **Applicant & Special Purpose Vehicles (SPVs):**

- McTaggart's PV1 (Pty) Ltd
- McTaggart's PV2 (Pty) Ltd
- McTaggart's PV3 (Pty) Ltd
- Klip Punt PV1 (Pty) Ltd
- McTaggart's PV1 (Pty) Ltd – Khunab Solar Grid Connection

PURPOSE OF THE MEETING

- » Present an overview of the **BA Reports** prepared for the projects
- » Provides a description of the **BA & Public Participation processes** being undertaken
- » Provides an opportunity and platform for I&APs to raise comments
- » Obtain comments for inclusion in the **Final BA Reports** to be submitted to the Department of Environmental Affairs (DEA) for decision-making

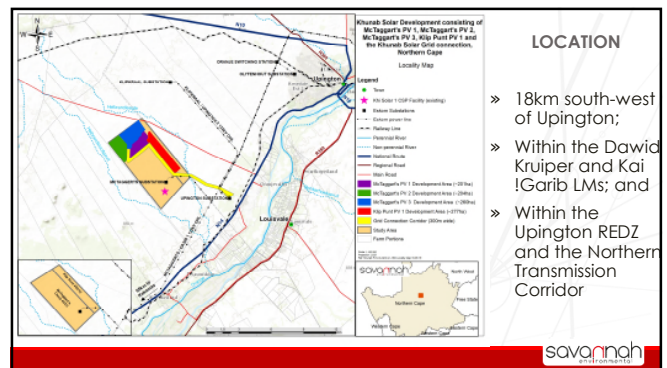
PROPOSED PROJECTS

» **Solar PV Facilities:**

- McTaggart's PV1
- McTaggart's PV2
- McTaggart's PV3
- Klip Punt PV1

» **Grid Connection Infrastructure**

- Khunab Solar Grid Connection



LOCATION

- » 18km south-west of Upington;
- » Within the Dawid Kruiper and Kai !Garib LMs; and
- » Within the Upington REDZ and the Northern Transmission Corridor

AFFECTED PROPERTIES

Klip Punt PV1	McTaggarts PV1	McTaggarts PV2	McTaggarts PV3	Khunab Solar Grid Connection
Portion 12 of the Farm Klip Punt 452	Portion 12 of the Farm Klip Punt 452 Portion 3 of the Farm McTaggarts Camp 453	Portion 3 of the Farm McTaggarts Camp 453	Portion 12 of the Farm Klip Punt 452 Portion 3 of the Farm McTaggarts Camp 453	Portion 12 of the Farm Klip Punt 452 Portion 3 of the Farm McTaggarts Camp 453 Olyvenhouts Drift Settlement Agricultural Holdings 1080

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SOLAR PV PROJECTS

Each solar PV facility will have a contracted capacity of up to **75MW** and will make use of **PV solar technology**.

Each solar PV facility will have the following primary elements:

- Arrays of PV solar panels – static and/or tracking.
 - 3.5m in height once installed
- Mounting structures.
- On-site inverters to convert power from DC to AC.
- On-site substation – up to 1ha in extent.
- Main Access and Internal Access Roads.
- Temporary Laydown Area.
- Auxiliary buildings

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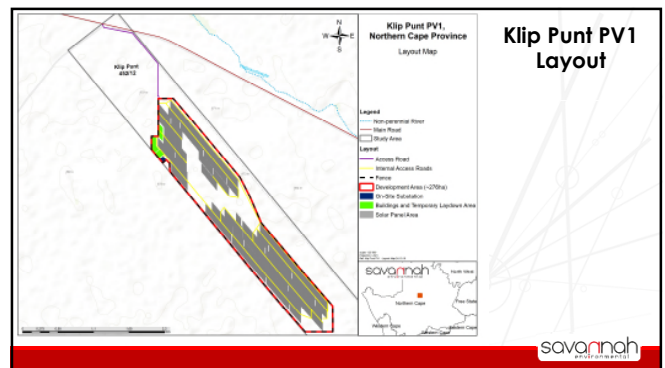
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GRID CONNECTION

- The grid connection corridor is 300m wide, (increases to 700m).
- The grid connection will consist of the following primary elements:
 - A single-circuit 132kV Power Line – up to 13km in length.
 - 2 x Collector Substations (including switching station components – each up to 1.5ha.
 - 2 x main access roads.

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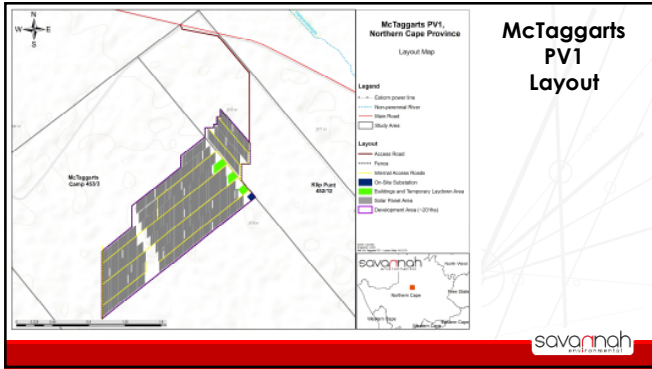
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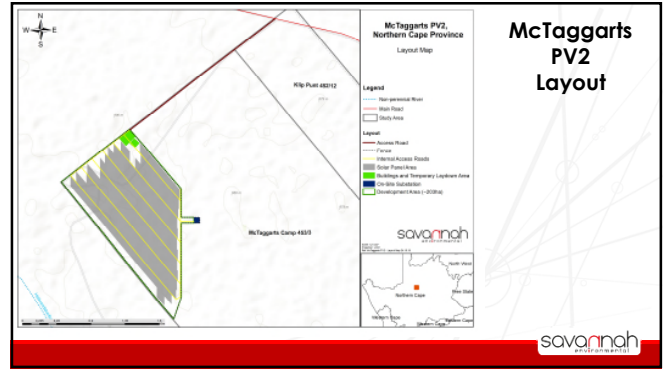
Klip Punt PV1 Layout

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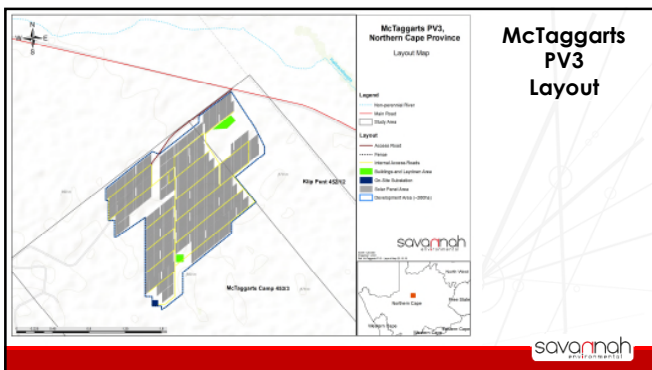
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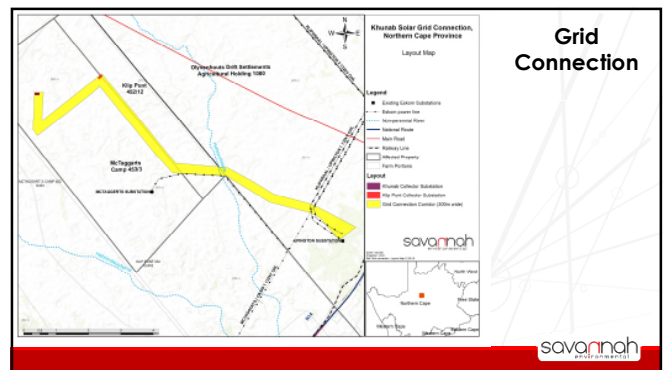
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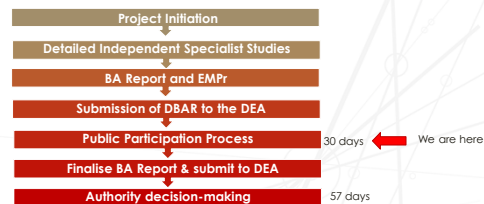
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BA PROCESS

- » The proposed projects require:
 - **Environmental Authorisation (EA)** in terms of NEMA & the EIA Regulations (2014), as amended.
 - Projects are located within a REDZ area and BA process followed.
- » A **BA Report** (one per project) has been made available for a 30-day public review period
 - **Klip Punt PV1, McTaggart PV1, McTaggart PV2, McTaggart PV3**
Review Period: **13 November – 13 December 2019**
 - **Khunab Solar Grid Connection: Early in 2020 (Date To Be Announced)**
- » Following the conclusion of the 30-day public review period a **Final BA Report** (one per project) will be prepared & submitted to DEA

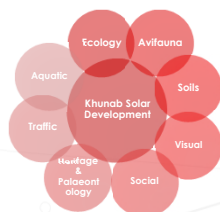
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BASIC ASSESSMENT PROCESS



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SPECIALIST STUDIES – PER PROJECT



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OUTCOMES OF THE BA PROCESS

- » A number of ground-truthed **impacts** & **benefits** from a **Social & Biophysical** perspective;
- » **No fatal flaws** associated with the developments have been identified;
- » All impacts associated with the layouts can be mitigated to acceptable levels; and
- » All five (5) projects are environmentally acceptable.

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IMPACTS DURING CONSTRUCTION & OPERATION

Specialist Study	Impacts (with implementation of mitigation)
Ecology	Medium to Low following mitigation
Avifauna	Medium to Low following mitigation
Aquatic	High to Low following mitigation

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IMPACTS DURING CONSTRUCTION & OPERATION

Specialist Study	Impacts (with implementation of mitigation)
Land Use, Soil & Agricultural Potential	Medium to Low
Heritage (including Archaeology & Palaeontology)	Medium to Low – significant heritage resources identified on McTaggart's PV2
Visual	Significance low following mitigation

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IMPACTS DURING CONSTRUCTION & OPERATION

Specialist Study	Impacts (with implementation of mitigation)
Social	medium positive impacts and medium to low negative impacts following mitigation/enhancement
Traffic	negligible impact on road network

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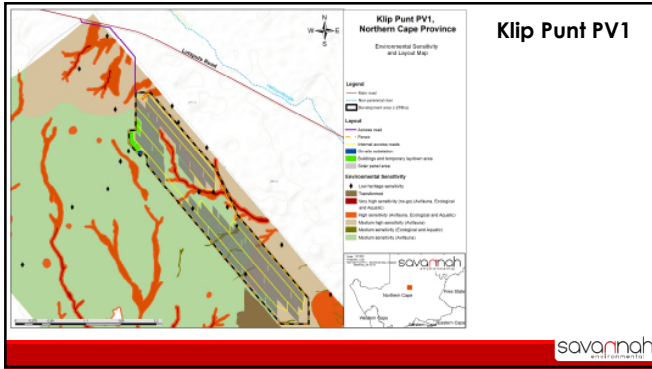
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SENSITIVITY ANALYSIS

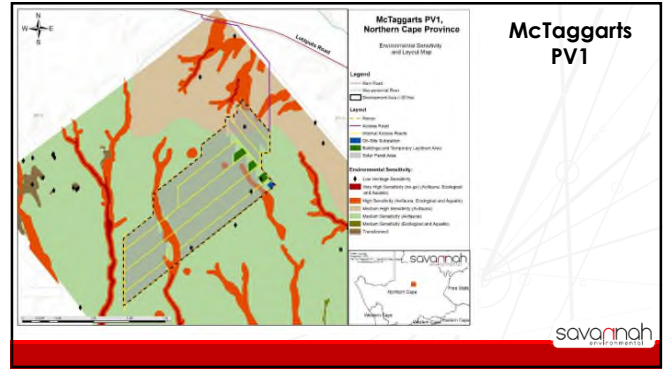
- » A number of **potentially sensitive areas** have been identified within the development areas and the grid connection corridor;
- » These are reflected within **Environmental Sensitivity Maps** for the projects; and
- » The proposed layouts consider the environmental sensitivities and avoids the areas considered to be unacceptable for development.

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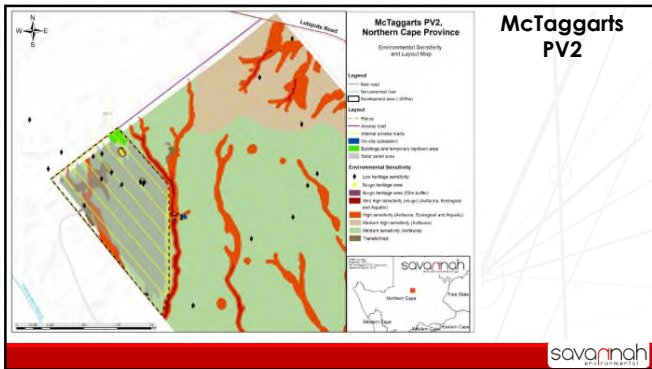
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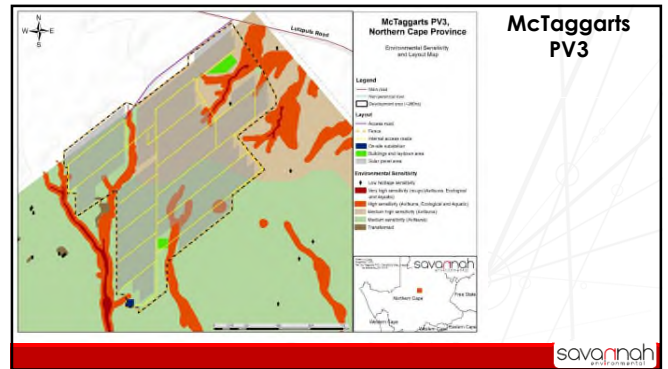
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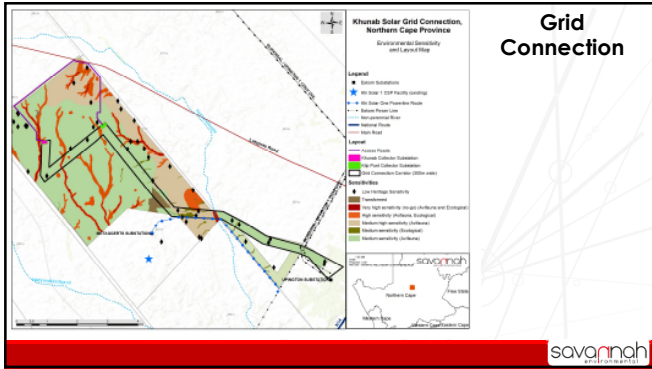
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CONCLUSION & WAY FORWARD

- » **No fatal flaws** were identified for the development of the Khunab Solar Development projects;
- » The project layouts are considered to be acceptable;
- » The last day to submit comments on the **solar PV** projects is:
 - **Friday, 13 December 2019**
- » All comments received during the 30-day review period will be recorded, addressed and responded to in the final BA Reports.
- » CA decision-making for the PVs – 57 days
- » CA decision-making for the grid – 107 days

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DISCUSSION SESSION

» Question & comments are welcome

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PLEASE DIRECT COMMENTS TO:

Nicolene Venter
Savannah Environmental
 t: +27 (0)11 656 3237
 f: +27 (0)86 684 0547
 e: publicprocess@savannahsa.com
 w: www.savannahsa.com
 a First Floor, Block 2, 5 Woodlands Drive Office Park
 Cnr Woodlands Drive & Western Service Road
 Woodmead, 2191

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AND ASSOCIATED INFRASTRUCTURE NEAR UPINGTON,
NORTHERN CAPE PROVINCE**

**NOTES OF PUBLIC MEETING
HELD ON THURSDAY, 28 NOVEMBER 2019
VENUE: KALKSLOOT COMMUNITY HALL, DRUIWE STREET, OLYVENHOUTS
DRIFT SETTLEMENT, UPINGTON**

Notes for the Record prepared by:

Nicolene Venter

Savannah Environmental (Pty) Ltd

E-mail: publicprocess@savannahsa.com

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Venue: Kalksloot Community Hall, Druwe Street, Olyvenhouts Drift Settlement, Upington

Date: Thursday, 28 November 2019

Time: 17h00

LIST OF ABBREVIATIONS / ACRONYMS

Cllr	Councillor		
CSP	Concentrating Solar Plant	CSR	Corporate Social Responsibility
DEA	Department of Environmental Affairs	DoE	Department of Energy
EA	Environmental Authorisation	IDP	Infrastructure Development Plan
IPP	Independent Power Producer	IRP	Integrated Resources Plan
PM	Public Meeting	PV	Photovoltaic

MEETING ATTENDEES

Name	Organisation	Position
Maria Maasdorp	Dawid Kruiper Local Municipality	Councillor
Martha Filano		Caretaker: Kalksloot Community Hall
Berenia van Wyk		Cashier
Piet Kotzee		Chairperson
Benedicdtus van Wyk	Youth Against Crime	Chairperson
Carneels Flenies	Department of Labour	Snr Administration Clerk
Sylvia Koopman	Kalksloot Community	Resident
Desmond Abrens		
Vernon Louw		
Gregorius September		
Neels Igshaan		
Divan Galant		
A Plaatjies		
Elizabeth Adams		
Melany Thompies		
Anna Basson		
Vallery van Wyk		
Piero Bezuidenhoudt		
Potneia van Wyk		
Desmond Isaks		
Merryn September	SNC-Lavalin	Safety Officer
Mr Michael Maasdorp	Abengoa South Africa	Community Liaison Officer
Mr Llewellyn Maasdorp		Khi Solar One Environmental Manager
Mr Reuben Maroga	Savannah Environmental	Environmental Assessment Practitioner

Ms Nicolene Venter	Public Participation Practitioner
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APOLOGIES

No apologies were received on behalf of colleagues, family or friends from the attendees' present.

WELCOME AND INTRODUCTION

Nicolene Venter welcomed all present at the meeting and the time they made available to attend the meeting. She introduced herself and requested the attendees to introduce themselves to the project team.

She informed the attendees that the Public Meeting (PM) was held with the aim to present the need for the projects, the Basic Assessment and Public Participation Processes and to present the key environmental findings as documented in the Basic Assessment Reports (BARs). Additionally, the PM was held to obtain any comments or concerns from the public and community members regarding the proposed projects.

Nicolene informed the attendees that an important point to take was, although the Basic Assessment Report (BAR) for the Khunab Grid Connection was not yet available for public review and comment, that the presentation does include the impacts and mitigation measures proposed by the specialists for the Khunab Grid Connection. It is envisaged that the BAR will be available mid-January 2020 for review and comment and that the public and community members who registered their attendance at the PM, will receive notification thereof.

The attendees was requested whether they would prefer the project and associated information as per the presentation be presented in English or Afrikaans. It was decided by all attendees that the presentation will be presented in Afrikaans.

BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Nicolene presented the background to the proposed projects by informing the attendees that the applicant, Abengoa South Africa, is proposing the development of the following projects:

Project Name	Applicant
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McTaggarts PV2	McTaggarts PV2 (Pty) Ltd
McTaggarts PV3	McTaggarts PV3 (Pty) Ltd
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Khunab Solar Grid Connection	McTaggarts PV1 (Pty) Ltd

The proposed PV developments are situated approximately 20km south-west of Upington located within the Kai !Garib and Dawid Kruiper Local Municipalities and within the greater ZF Mgcawu District Municipality, Northern Cape Province.

It was explained that the broader study area for the projects is located within Zone 7 of the Renewable Energy Development Zones (REDZ), known as the Upington REDZ. The procedure to be followed in applying for environmental authorisation for a large-scale project in a REDZ was formally gazetted on 16 February 2018 (in GN R113 and GN R114). As the project is located within one of the eight REDZ areas, solar PV facilities for the Khunab Solar Development projects are subjected to a Basic Assessment (BA) and not a full EIA process.

The proposed PV solar projects will have a contracted capacity of up to 75MW each and will make use of multiple arrays of PV solar panels. Each of the solar PV facilities will include the following components:

- » Arrays of PV solar panels – static and/or tracking
 - of up to 3.5m in height once installed.
- » Mounting structures to support the PV panels.
- » On-site inverters to convert the power from a Direct Current (DC) to an Alternating Current (AC).
- » Main access and internal access roads.
- » Temporary laydown area.
- » Auxiliary buildings.

A corridor of 300m wide (increases up to 700m wide near the Upington Main Transmission Substation (MTS)) has been assessed for the grid connection and the development will consist of the following primary elements:

- » A single circuit 132kV power line of up to 13km in length.
- » Two (2) Collector substations (including switching station components) each up to 1.5ha.
- » Two (2) main access roads.

Outcome of Environmental Assessments

A summary of the various environmental assessments undertaken for the four (4) proposed solar PV projects and the grid connection and documented in the BARs were presented.

The presentation is attached as **Appendix A** to the meeting notes.

DISCUSSION SESSION

Question / Comment	Response
Desmond Isaks informed the project team that the heritage find on McTaggart's PV2, as presented, was an old watch tower used during the Anglo-Boer War and not a shooting range.	Nicolene Venter thanked Mr Isaks for the information provided and informed him that the team will provide the specialist with the information.
Desmond Isaks also informed the project team that it is believed that unused ammunition from the Anglo-Boer War has been buried on	Nicolene acknowledged the information provided and that the project team will be informed regarding this matter.

<p>the property on which McTaggart's PV2 is being proposed.</p>	<p><u>Post-meeting note:</u></p> <p>The Heritage Impact Assessment undertaken for the project does not make mention of any unused ammunition being buried in the area; however, it does indicate that the area around the development area for the project is well known for the battle between the British forces and the Koranna people who lived on the Orange River islands.</p> <p>The specialist further indicates that during the 1930s and 1940s, extensive tungsten mining was undertaken within the broader study area in support of the Second World War efforts. Therefore, tungsten was used to manufacture various weapons and ammunition for the war.</p>
<p>Vallery van Wyk acknowledged the fact that the proposed development will be "on Kalksloot's doorstep" so to speak, and express the hope that it does not seem that the development will move to the "back door" of Kalksloot i.e. that in terms of social investment, that Kalksloot community must be the first community who will benefit from the project should it be approved and construction starts.</p> <p>Historically, work and service providing opportunities have been allocated to other surrounding communities and not to those staying in Kalksloot.</p> <p>The community of Kalksloot support the proposed development and is not against it, but it is important that the residents of Kalksloot must benefit from the development.</p>	<p>Nicolene acknowledged the request raised and will be recorded in the minutes as such.</p> <p>The attendees were provided with a brief overview regarding the bidding process and were also informed that although Abengoa will be submitting all four (4) the PV projects in the next bidding round, only two (2) or three (3) might be successful. However, should a project not be successful in this bidding round, it can be submitted in the next bidding round.</p>
<p>Cllr Maasdorp thanked the Savannah Environmental Team for ensuring that they identified and consult with her as Councillor and acknowledged her role and responsibility in the community.</p> <p>The project team was informed that there are several political parties in Kalksloot and as the</p>	<p>Nicolene Venter thanked the Councillor for taking her responsibility towards the community seriously and for the assistance in ensuring that the Kalksloot community, at large, were informed of the public meeting.</p> <p>Llewellyn Maasdorp mentioned that it is important that consultation and</p>

<p>interest of the community is their main concern, it was with regret that Scatec Solar did not acknowledge the leadership in Kalksloot. If they had acknowledged it and work through the leaderships, the incidents that occurred could have been avoided.</p>	<p>communication takes place with recognised and acknowledged community leaders, as any person can identify him/herself as a community leader. It can be confirmed that Abengoa will work with recognised community leaders, should the projects be successful in the bidding process.</p>
<p>Benedict van Wyk asked that should Abengoa be successful as a bidder i.e. approval to construct the four (4) projects, will they come back to the community and present / discuss their social responsibility.</p>	<p>Llewellyn Maasdorp responded that the social responsibility aspect falls outside the environmental authorisation process. However, the first step for these types of projects is to obtain environmental authorisation (EA) from the DEA as this process give a clear indication that a project is sustainable. It is during this process where communities' valuable inputs are acknowledged. y, as a meeting such as this one, are informed about the proposed projects</p> <p>It was mentioned that although the property on which these projects are being proposed are owned by Abengoa, and as a developer they still need to go through the EIA process. Abengoa is not strong on CSP technology but PV. In terms of the IRP, PV has been identified as the technology to be used going forward in the renewable energy industry.</p> <p>The changing of ownership between IPPs was also mentioned and the attendees were informed that another developer could approach Abengoa to purchase their project as their PV technology is more advanced or better and can therefore offer better tariffs for the power generated by the development.</p> <p>To come back to the question regarding coming back to the community, should Abengoa be successful during the bidding process, it can be confirmed that with each bidding round developers learn more and the social investment programmes improves with each bidding round.</p> <p>The CSR is an important document as part of the Bidding process and this document must</p>

	<p>indicate what social benefits will there be during the construction and operation phase, i.e. improvement of schools, equipment for scholars at schools, etc.</p> <p>Nicolene Venter asked for confirmation whether the developer makes decisions regarding what the community needs or are decisions regarding community needs done in consultation with the recognised community leaders.</p> <p>Llewellyn Maasdorp confirmed that discussions take place with Municipal Officials in terms of their IDPs as well as recognised community leaders.</p> <p>Michael Maasdorp informed the attendees that the DoE documents referred to a 50km CSR radius, however, Abengoa refer to beneficiary communities such as Kalksloot. He said that it is important to note that engagement with recognised community leaders would take place regarding what is the Kalksloot community's needs, and how it aligns with the Municipality's IDP.</p>
<p>Benedict van Wyk said that information presented in terms of the impact studies and the developers' CSR all sound promising, but when it gets to construction of these developments, it is the same old process over and over i.e. no consultation prior and during construction with the communities.</p> <p>He informed the project team that to date only one (1) Kalksloot resident is currently employed by Abengoa and during the construction phase the services of workforce was utilised of which all employment opportunity was temporarily.</p> <p>The concern was also raised that with reference to the Scatec project where the developer instigated trouble between community in the Kai !Garib Municipal area</p>	<p>Michael Maasdorp informed the attendees that hard copies of the Reports, including those of the specialists, are available at the Upington Library. To ensure that community members can easily access the information, Nicolene Venter distributed CDs to various community members.</p> <p>Llewellyn Maasdorp informed the attendees that he had not yet familiarised himself with the content of the social specialist report as to determine what inputs were provided during the assessment and what is the expectations raised by the community members. This will be done before the reports are being finalised and submitted to the DEA.</p> <p>He said that although Michael Maasdorp is Abengoa's Community Liaison Officer, he also</p>

<p>and that individuals were elected to represent Kalksloot community who are not residents or reside in Kalksloot.</p> <p>He requested Abengoa to please ensure that the CSR are implemented correctly.</p>	<p>mentioned that assessments will be done regarding what type of interns will be required, are there a need for bursaries, funds to complete matric, etc.</p> <p>Michael Maasdorp informed the attendees that mistakes have been made and one needs to learn from their mistakes, if mistakes are not made, one does not learn anything.</p> <p>It was mentioned that there are monthly meetings taking place with Municipal Officials and community leaders in Pofadder and Upington, both are centrally located places. These meetings are also attended by businesses in the area i.e. Karstens Boerdery, and other developers i.e. Scatec. Unfortunately, some municipal officials have withdrawn their attendances from these meetings. It was also mentioned that it is important to note that it is Abengoa's business policy not to place advertising boards in communities or towns announcing / promoting their social investment activities done in a community or town.</p> <p>Michael reiterated that it is to the advantage of Abengoa to liaise and communicate with recognised community leaders for approved projects.</p>
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WAY FORWARD AND CLOSURE


Nicolene Venter thanked the attendees for their valuable inputs into the Basic Assessment process and thanked the community by drawing the team's attention to the fact that implementation should be done the correct way.


The meeting was closed at 18h15.


ATTENDANCE REGISTER


Project	KHUNAB SOLAR DEVELOPMENT CONSISTING OF: McTaggart PV1, McTaggart PV2, McTaggart PV3 & Klip Punt PV1 & Khunab Solar Grid Connection		Meeting	PUBLIC MEETING	
Date	Thursday, 28 November 2019	Time	17h00	Venue	Kalksloot Community Hall, Druive Street, Olyvenhouts Drift Settlement, Upington

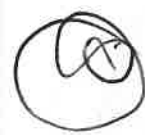
Organization	Name & Postal Address	Contact Details	Signature
Savannah Environmental Consultants	Reuben Moya	Tel: 011 656 3237 Fax: Cell: 071 146 1820 Email: reuben@savannahsa.com	
Designation			


Organization	Name & Postal Address	Contact Details	Signature
D.K.M.	Marie Maasdorp	Tel: 054 338 7023 Fax: Cell: 0766623722 Email:	
Designation			
Councillor			


Organization	Name & Postal Address	Contact Details	Signature
D.K.M.	Martha Filand	Tel: Fax: Cell: 0604158173 Email:	
Designation			
CARETAKER			


Organization	Name & Postal Address	Contact Details	Signature
Y.A.C	Benedictus V Wyke	Tel: 073 373 8193	
Designation		Fax:	
CHAIR PERSON		Cell:	
		Email: ben.v.wyke@gmail.com	


Organization	Name & Postal Address	Contact Details	Signature
B.K.M CASHIER	Berenia V Wyke	Tel: 0788397068	
Designation		Fax:	
		Cell:	
		Email: ww.berenicepurre@gmail.com	


Organization	Name & Postal Address	Contact Details	Signature
LABOUR SERVICE ADM. CLERK	CARMEEL FERNIES	Tel:	
Designation		Fax:	
		Cell: 0640695850	
		Email: carmeel.fernies@labour.gov.za	


Organization	Name & Postal Address	Contact Details	Signature
Answer Kathleen	Sylvia Thompson	Tel:	
Designation		Fax:	
		Cell: 063 321 6910	
		Email:	


Organization	Name & Postal Address	Contact Details	Signature
Inwoner Kalksloot	Desmond Adams	Tel:	
Designation		Fax:	
	Cell: 0748341396		
	Email: Desmond.Adams@kalksloot.com		

Organization	Name & Postal Address	Contact Details	Signature
D.K.M	Vernon Jones	Tel:	
Designation		Fax:	
Inwoner		Cell: 0766623722	
		Email:	


Organization	Name & Postal Address	Contact Details	Signature
D.K.M	GREGORIUS SEPTEMBER	Tel: 061 658 3812	
Designation		Fax:	
Inwoner		Cell:	
		Email: www.govanseptemberza@gmail.com	

Organization	Name & Postal Address	Contact Details	Signature
D.K.M	Iqshaan Neels	Tel:	
Designation		Fax:	
Inwoner (Kalksloot)		Cell: 0766623722	
		Email:	

Organization	Name & Postal Address	Contact Details	Signature
SNC-Landlin	Meyn 10 Spanspet Street September	Tel: Fax: Cell: 0781783810 Email: septembermeyn48@gmail.com	
Designation			
Safety officer			

Organization	Name & Postal Address	Contact Details	Signature
	DIVAN GALANT 1 Pampoen Str	Tel: 071 752 0316 Fax: Cell: Email:	
Designation			


Organization	Name & Postal Address	Contact Details	Signature
A. Pla-	A. Plactivities Spanspetstr	Tel: 078951 0817 Fax: Cell: Email:	A. Plactivities
Designation			
Health worker			

Organization	Name & Postal Address	Contact Details	Signature
D.K.M.	Piet Kotzee	Tel: Fax: Cell: 0765372002 Email:	
Designation			
Chairperson			


Organization	Name & Postal Address	Contact Details	Signature
	Elizabeth Adams Druivestra: 17 Kalksloot	Tel: Fax: Cell: Email:	
Designation			
inwoner			


Organization	Name & Postal Address	Contact Details	Signature
	Melany Thompries New Town	Tel: Fax: Cell: 072 644739 Email:	
Designation			
inwoner			


Organization	Name & Postal Address	Contact Details	Signature
	ANNA BASSON Druivestra. 1878.	Tel: Fax: Cell: Email:	
Designation			
inwoner			

Organization	Name & Postal Address	Contact Details	Signature
	VALERY EN WYK APPELKOEST. 23	Tel: Fax: Cell: 071 7139054 Email: valeryenwyk@gmail.com	
Designation			
inwoner			

Organization	Name & Postal Address	Contact Details	Signature
	Pepo Beumthout Korshuize Dreuw Street 879 0712902952	Tel: Fax: Cell: Email:	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
Aberigga South Africa	Uewellyn I. Maasdp	Tel: Fax: Cell: 0714510451 Email: Uewellyn.maasdp@abrigga.com	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
	Bencie van Wyk	Tel: 0731894184 Fax: Cell: 0731894184 Email: potvontylik1979@gmail.com	
Designation			

Organization	Name & Postal Address	Contact Details	Signature
	DESMOND ISAACS Peeke Street 1186 SOSBRUGGIE KAKSBOE	Tel: 0765456177 Fax: Cell: 0765456177 Email: Desmond@1996 mail.com	
Designation			

APPENDIX A

KHUNAB SONKRAGONTWIKKELING BEST AANDE UIT McTAGGARTS FV1, McTAGGARTS FV2, McTAGGARTS FV3, KLIP PUNT FV1 EN DIE KHUNAB SONKRAG ROOSTERKONNEKSIE, NOORD-KAAPPROVINSIE

Publiekevergadering

28 November 2019

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PROFESSIONAL

1

SAKELYS VIR VERGADERING

1. Verwelkoming & Bekendstelling
2. Doel van die Vergadering
3. Projekoorsig
4. Oorsig van die BE-proses
5. Uitslae van die BE-proses
6. Besprekingsessie
7. Weg vorentoe

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2

VERWELKOMING & BEKENDSTELLING

- » Savannah Environmental
- » Abengoa South Africa
- » Kalksloot Gemeenskapslede

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3

SAVANNAH ENVIRONMENTAL

- » Aangestel as die onafhanklike **Omgevingsevalueringspraktisyns (OEP's)**
- » Verantwoordelik vir:
 - **Basiese Evalueringsproses (BE-proses)**
 - **Openbare Deelnameproses (OD-proses)**

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4

PS1

» **Applikant & Spesialedoelmiddelle (SDM's):**

- McTaggart PV1 (Edms.) Bpk.
- McTaggart PV2 (Edms.) Bpk.
- McTaggart PV3 (Edms.) Bpk.
- Klip Punt PV1 (Edms.) Bpk.
- McTaggart PV1 (Edms.) Bpk. – Khunab Sonkrag Roosterkonneksie

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DOEL VAN DIE VERGADERING

- » Om 'n oorsig te bied van die **BE-verslae** wat vir die projekte opgestel is
- » Om 'n beskrywing te gee van die **BE- & Openbare Deelnameproses** wat onderneem word
- » Om 'n geleentheid en platform te bied vir B&GPs om kommentaar te lewer
- » Om kommentaar te bekom vir insluiting in die **Finale BE-verslae** wat by die Departement van Omgewingsake (DO) ingedien gaan word vir besluitneming

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6

BEOOGDE PROJEKTE

- » **FV-sonkragaanlegte:**
 - McTaggart FV1
 - McTaggart FV2
 - McTaggart FV3
 - Klip Punt FV1
- » **Roosterkonneksie-infrastruktuur**
 - Khunab Sonkrag Roosterkonneksie

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7

LIGGING

- » 18 km suidwes van Upington;
- » In die Dawid Kruiper en Kai !Garib PM's; en
- » In die Upington REDZ en die Noordelike Transmissie-korridor

Khunab Solar Development consisting of McTaggart PV 1, McTaggart PV 2, McTaggart PV 3, Klip Punt PV 1 and the Khunab Solar Grid connection, Northern Cape, Locality Map

Legend

- Road
- Railway
- National Grid (GPR) facility (existing)
- Eskom Substation
- Eskom power line
- Regional line
- Provincial line
- Municipal line
- National Road
- Regional Road
- Municipal Road
- Main Road
- McTaggart PV 1 Development Area (2017/18)
- McTaggart PV 2 Development Area (2017/18)
- McTaggart PV 3 Development Area (2017/18)
- Klip Punt PV 1 Development Area (2017/18)
- Khunab Solar Grid connection Area (2017/18)
- Grid Connection Corridor (30kV only)
- 20kV Area
- Farm Property

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Slide 5

PS1 @ Reuben I removed Abengoa Name please only refer to the SPV's

Peter, 11/27/2019

GEAFFEKTEERDE EIENDOMME

Klip Punt FV1	McTaggarts FV1	McTaggarts FV2	McTaggarts FV3	Khunab Sonkrag-roosterkonneksie
Gedeelte 12 van die plaas Klip Punt 452	Gedeelte 12 van die plaas Klip Punt 452 Gedeelte 3 van die plaas McTaggarts Camp 453	Gedeelte 3 van die plaas McTaggarts Camp 453	Gedeelte 12 van die plaas Klip Punt 452 Gedeelte 3 van die plaas McTaggarts Camp 453	Gedeelte 12 van die plaas Klip Punt 452 Gedeelte 3 van die plaas McTaggarts Camp 453 Olyvenhouts Drift Nedersetting Landbouhoeves 1080

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FV-SONKRAGPROJEKTE

Elke FV-sonkragaanleg sal oor 'n gekontraheerde vermoë van hoogstens **75 MW** beskik en **FV-sonkragtegnologie** inspan.

Elke FV-sonkragaanleg sal oor die volgende primêre elemente beskik:

- Reekse FV-sonpanele – stilstaande en/of naspoorder
 - 3,5 m hoog na installasie
- Monteerstrukture
- Interne wisselrigters om krag om te sit van GS na WS
- Interne substasie – hoogstens 1 ha in omvang
- Hoof- en interne toegangspaaie
- Tydelike stapelwerf
- Bygeboue

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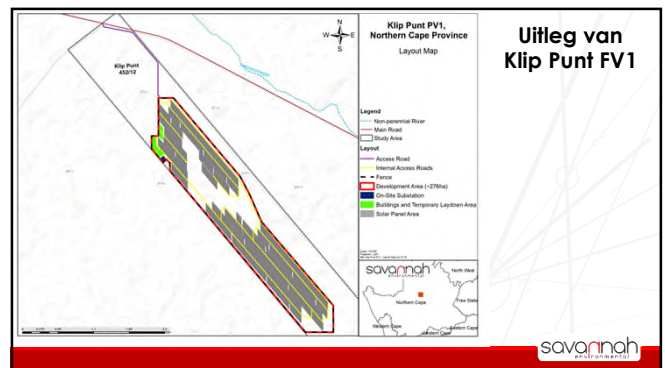
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ROOSTERKONNEKSIE

- Die roosterkonneksiekorridor is 300 m wyd, (verwyd na 700 m).
- Die roosterkonneksie sal uit die volgende primêre elemente bestaan:
 - 'n Enkelkring 132 kV kraglyn – hoogstens 13 km lank
 - 2 x kollektorsubstasies (met insluiting van skakelstasie-komponente – elk hoogstens 1,5 ha
 - 2 x hooftoegangspaaie

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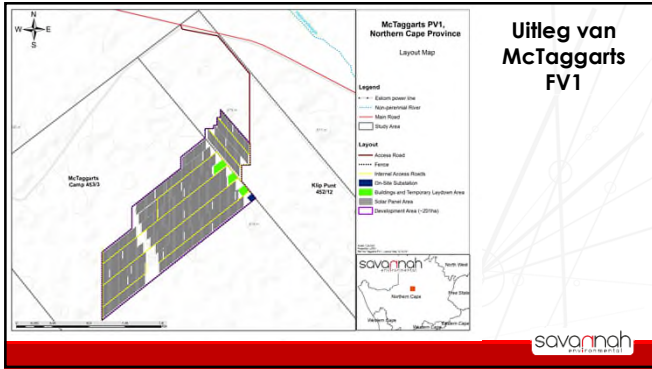
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Uitleg van Klip Punt FV1

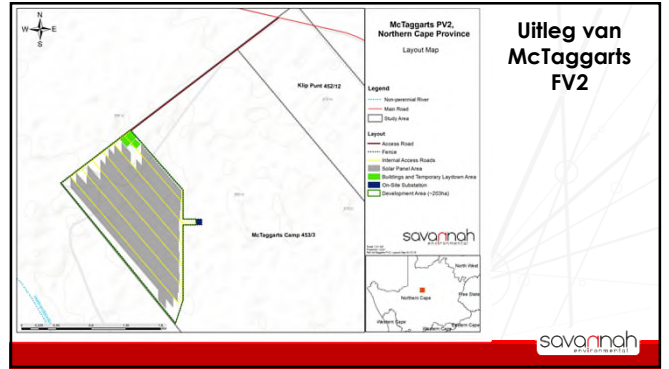
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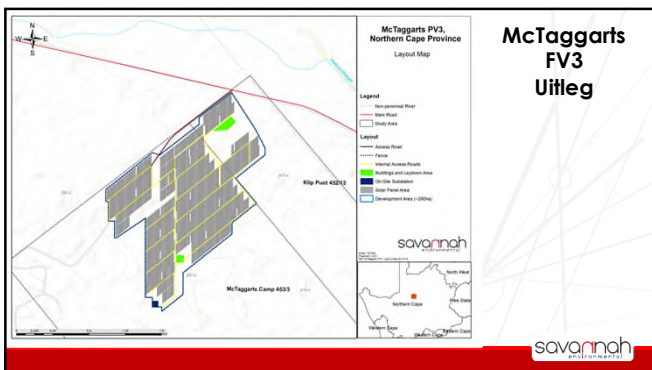
**Uitleg van
McTaggart
FV1**

13



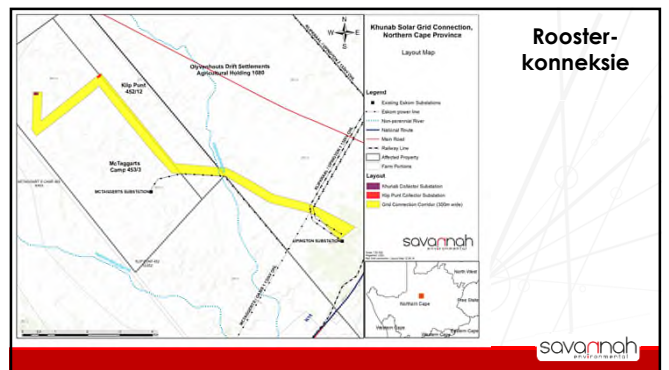
**Uitleg van
McTaggart
FV2**

14



**McTaggart
FV3
Uitleg**

15



**Rooster-
konneksie**

16

BE-PROSES

- » Die beoogde projekte vereis:
 - **Omgevingsmagtiging (OM)** ingevolge NEMA & die OIE-regulasies (2014), soos gewysig.
 - Projekte is geleë in 'n REDZ-gebied en 'n BE-proses is gevolg.
- » 'n **BE-verslag** (een per projek) is vir 'n 30-dae openbare insaetydperk beskikbaar gestel
 - **Klip Punt FV1, McTaggart's FV1, McTaggart's FV2, McTaggart's FV3**
Insaetydperk: **13 November – 13 Desember 2019**
 - **Khunab Sonkrag Roosterkonneksie: Vroeg in 2020 (Datum moet nog aangekondig word)**
- » Na afloop van die 30-dae openbare insaetydperk sal 'n **Finale BE-verslag** (een per projek) opgestel & by die DO ingedien word.

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BASIESE EVALUERINGSPROSES



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SPECIALISSTUDIES – PER PROJEK



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UITKOMSTE VAN DIE BE-PROSES

- » 'n Aantal **impakte & voordele** wat vanuit **Maatskaplike & Biofisiese** perspektief ter plaatse geëvalueer is;
- » **Geen fatale foute** wat met die ontwikkelings verband hou, is geïdentifiseer nie;
- » Alle impakte wat met die uitleg verband hou, kan na aanvaarbare vlakke versag word; en
- » Al vyf (5) projekte is aanvaarbaar vanuit 'n omgewingsoogpunt.

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IMPAKTE TYDENS KONSTRUKSIE & BEDRYF

Spesialisstudie	Impakte (met implementering van versagting)
Ekologie	Medium tot Laag na versagting
Avifauna	Medium tot Laag na versagting
Akwaties	Hoog tot Laag na versagting

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IMPAKTE TYDENS KONSTRUKSIE & BEDRYF

Spesialisstudie	Impakte (met implementering van versagting)
Grondgebruik, Grondsoorte & Landboupotensiaal	Medium tot Laag
Erfenis (insluitend Argeologie & Paleontologie)	Medium tot Laag – wesenlike erfenishulpbronne is op McTaggarts FV2 geïdentifiseer
Visueel	Wesenlikheid laag na versagting

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IMPAKTE TYDENS KONSTRUKSIE & BEDRYF

Spesialisstudie	Impakte (met implementering van versagting)
Maatskaplik	Medium positiewe impakte en Medium tot Lae negatiewe impakte na versagting / verbetering
Verkeer	Weglaatbare impak op padnetwerk

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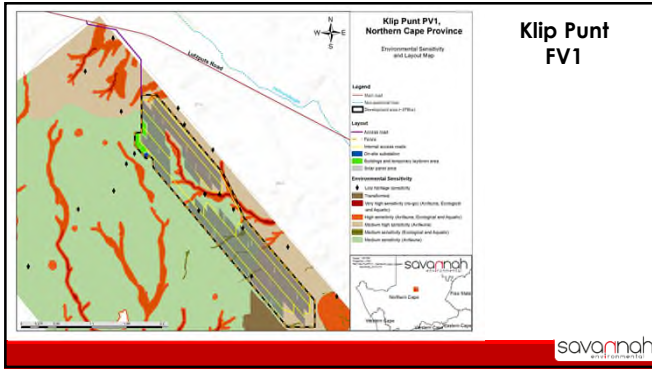
23

SENSITIWITEITSONTLEDING

- » 'n Aantal **potensieel sensitiewe gebiede** is in die ontwikkelingsgebiede en roosterkonneksiekorridor geïdentifiseer;
- » Dit word in die projekte se **Omgewingsensitiwiteitskaart** weergegee; en
- » Die beoogde uitlegte neem die omgewingsensitiwiteite in ag en vermy die gebiede wat as onaanvaarbaar vir ontwikkeling geag word.

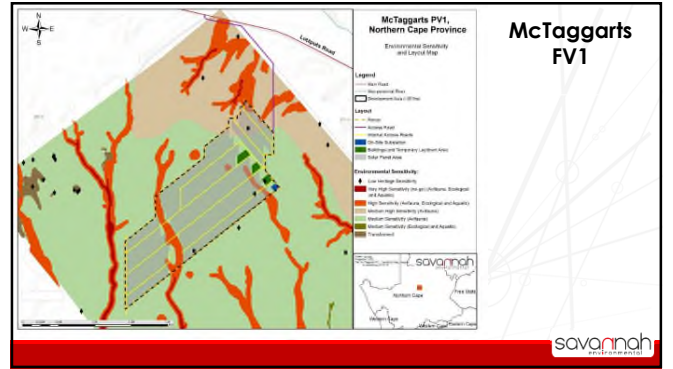
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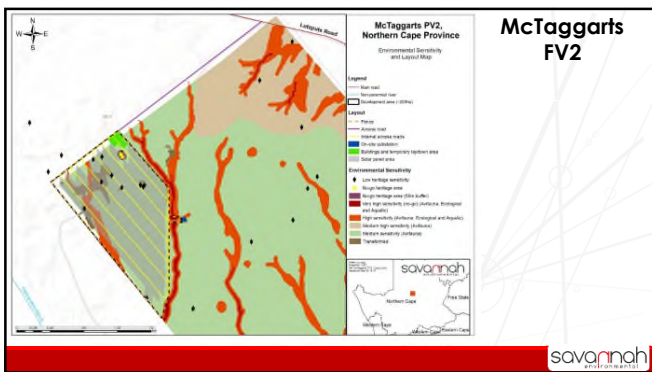
**Klip Punt
FV1**

25



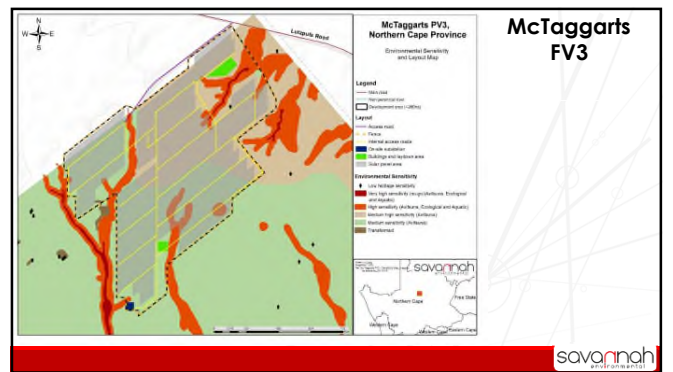
**McTaggarts
FV1**

26



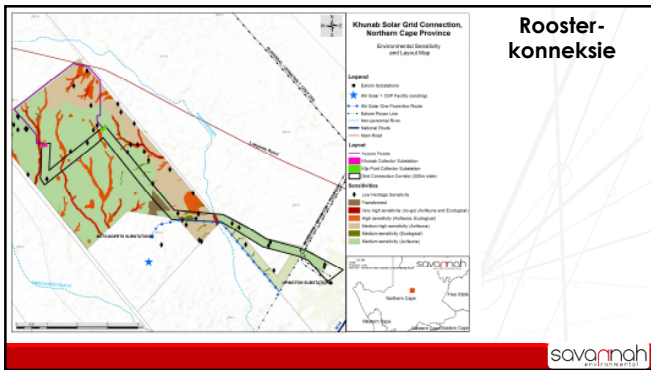
**McTaggarts
FV2**

27



**McTaggarts
FV3**

28



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AFSLUITING & WEG VORENTOE

- » **Geen fatale foute** is vir die ontwikkeling van die Khunab Sonkrag Ontwikkelingsprojekte geïdentifiseer nie;
- » Die projekuitlegte word as aanvaarbaar geag;
- » Die laaste dag om kommentaar oor die **FV-sonkragprojekte** in te dien is:
 - **Vrydag, 13 Desember 2019**
- » Alle kommentaar wat tydens die 30-dae insaetydperk ontvang word, sal aangeteken, aangespreek en in die finale BE-verslae beantwoord word.
- » Besluitneming vir die FV's deur Bevoegde Owerheid – 57 dae
- » Besluitneming vir die rooster deur Bevoegde Owerheid – 107 dae

30

BESPREKINGSSIE

» Vrae & kommentaar word verwelkom

31

RIG KOMMENTAAR ASSEBLIEF AAN:

Nicolene Venter
Savannah Environmental
 t: +27 (0)11 656 3237
 f: +27 (0)86 684 0547
 e: publicprocess@savannahsa.com
 w: www.savannahsa.com
 a Eerste Vloer, Blok 2, Woodlandsrylaan 5 Kantoorpark
 H/v Woodlandsrylaan & Westelike Dienspad
 Woodmead, 2191

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