

# MEETING NOTES

199 Bryanston Drive  
Bryanston  
2191

Tel: +11 361 1392  
Fax: +11 361 1381

[www.wspgroup.com](http://www.wspgroup.com)  
[www.pbworld.com](http://www.pbworld.com)

Job Title	BioTherm Renewable Energy Projects
Project Number	47579
Date	23 August 2016
Time	10:00 – 12:00
Venue	DEA Environment House
Subject	BioTherm – Solar Energy Developments – DEA Pre-Application Meeting
Client	BioTherm Energy (Pty) Ltd
Present	See Attached Attendance Register ( <b>Appendix A</b> )
Apologies	None
Distribution	As above

## MATTERS ARISING

## ACTION

### 1.0 WELCOME AND INTRODUCTIONS

- 1.1 Ashlea Strong thanked the Department of Environmental Affairs (DEA) for the opportunity to meet with them to discuss the solar energy projects.
- 1.2 A round of introductions was done, including:
- BioTherm Energy (Pty) Ltd – Michael Barnes, Irene Bezuidenhout and Sipelele Dunga
  - WSP Environmental (Pty) Ltd – Ashlea Strong
  - DEA – Coenrad Agenbach, Muhammad Essop and Mmamohale Kabasa
- 1.3 Ashlea Strong mentioned that the presentation (**Appendix B**) would be attached to the minutes together with the attendance register (**Appendix A**).

### 2.0 PROJECT DESCRIPTION

- 2.1 The following projects were introduced to the team:

- Letsoai CSP 1 (150MW)
- Letsoai CSP 2 (150MW)
- Enamandla PV 1 (75MW)
- Enamandla PV 2 (75MW)
- Enamandla PV 3 (75MW)
- Enamandla PV 4 (75MW)
- Enamandla PV 5 (75MW)
- Solar Transmission Integration (400kV)
- Water Pipeline

- 2.2 It was noted that in the event that the 400kV transmission integration requirement is required to be downgraded in the future, a new Basic Assessment Application will be required to be submitted.

BioTherm

MATTERS ARISING	ACTION
<b>3.0 LEGISLATIVE REQUIREMENTS</b>	
3.1 The water pipeline could be a provincial application; however the DEA noted concerns around incremental decision making. In addition, the DEA noted that without a water connection included in project they don't consider a CSP project viable. Therefore, it was agreed that the water pipeline application would be combined with the CSP 1 or 2 applications rather than being lodged under a separate application. In the case of it being connected to both CSP projects, then this needs to be clarified and made clear in the process.	BioTherm and WSP
3.2 It was noted that the Listed Activity list is a living document and the list and associated application form must be updated at each milestone as the project progresses and resubmitted to the DEA, only if there are changes in the activities applied for, based on the assessment or comments raised by the DEA.	WSP
3.3 The DEA noted that GNR 983 Activity 30 must only be included if a site affects a listed ecosystem in terms NEMBA Section 53(1). This must be verified in the process. All activities for listing notice 3 must be verified in the process and the correct sub activity must be applied for.	WSP
<b>4.0 SPECIALIST STUDIES</b>	
4.1 The DEA agreed on the list of specialist studies. More studies may be noted to be done in the process.	-
4.2 It was noted that water availability must be proven for the CSP projects. The DEA noted that there are serious concerns surrounding the impact of water requirements on existing water allocations.	BioTherm and WSP
4.3 WSP will be required to have all specialist studies undertaken by in-house specialists to be externally peer reviewed.	WSP
4.4 The DEA requested that specialist studies must be specific to each application. In addition, the Terms of Reference for each specialist must be specific to the relevant technology.	WSP
4.5 It was noted that specialists must prove that they reviewed and taken cognisance of other specialist studies from surrounding Environmental Authorisations and other specialist studies done within the area.	WSP
<b>5.0 GENERAL</b>	
5.1 The EAP must be aware of and understand the requirements of the process and their obligations under the 2014 Regulations, and agreed that they understand the process and the requirements.	WSP
5.2 Extensions in terms of Regulations 3(7) will not be considered, and only under exceptional circumstances.	BioTherm and WSP





MATTERS ARISING	ACTION
5.3 The Developer needs to obtain comments from SKA	
5.4 Signed land owner consent forms must accompany the application forms.	BioTherm and WSP
5.5 The Comment and Response Report must not be broken into impacts – but should rather deal with each full comment as a single entity. In addition, the use of the words “noted” is not considered favourable, each comment must be addressed.	WSP
5.6 The Comment and Response Report must be separate from the main report and must not group comments, but rather address each comment separately.	
5.7 The adverts included in the reports must be legible.	WSP
5.8 The DEA requested that the electronic copies must not be one big pdf document. In addition, electronic copies must be identical to the hard copy submission	WSP
5.9 The DEA agreed to accept one hard copy and one electronic copy of the Draft Scoping Reports.	WSP
5.10 The DEA specifically requested that a separate copy of the Draft Scoping Reports also be sent to the Department of Environmental Affairs Director: Biodiversity and Conservation.	
5.11 The minutes of the Pre-application Meeting must be attached to the Draft Scoping Reports.	WSP

### NEXT MEETING




The Pre-Application Meeting for the Proposed Wind Energy Developments will be held on 25 August 2016.

**Appendix A – Attendance Register**

## ATTENDANCE REGISTER 23 August 2016

Name	Company Name	Contact Details	Signature
Coenrad Agenbach	DEA	Tel: 012 399 9403 Fax: Mobile: Email: cagenbach@environment.gov.za	
MUNACHALE KABASA	DEA	Tel: 012 399 9420 Fax: Mobile: Email: mkabasa@environment.gov.za	
Muhammad Essop	DEA	Tel: 012 399 9406 Fax: Mobile: Email: MEssop@environment.gov.za	
Siphetele Dunga	BIO THERM	Tel: 011 367 4600 Fax: 011 367 4601 Mobile: 0621354336 Email: sdunga@biothermenergy.com	

## ATTENDANCE REGISTER 23 August 2016

Name	Company Name	Contact Details	Signature
Michael Barnes	Biotherm	Tel: 011 367 4600 Fax: Mobile: 076 806 7055 Email: m.barnes@biothermenergy.com	
Irene Bezuidenhout	BioTherm Energy	Tel: 011 367 4600 Fax: Mobile: 076 822 3484 Email: irebezuidenhout@biothermenergy.com	
Ashlea Strong	WSP	Tel: 011 361 1392 Fax: Mobile: 0822786 7819 Email: ashlea.strong@wspgroup.co.za	
		Tel: Fax: Mobile: Email:	

**Appendix B - Presentation**



# Proposed Solar Projects in the Northern Cape

*DEA Pre-Application Authority Meeting*

23 August 2016



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## AGENDA



- à **Welcome and Introductions**
- à **Project Description**
- à **Project Location**
- à **Legislative Requirements**
  - § Letsoai CSP
  - § Enamandla PV
  - § Transmission Integration
  - § Water Pipeline
- à **Specialist Studies**
- à **Discussion**
- à **Way Forward**





## WELCOME AND INTRODUCTIONS

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### à **Project Proponent**

- § BioTherm Energy (Pty) Ltd
  - Michael Barnes
  - Irene Bezuidenhout
  - Siphelele Dunga

### à **Environmental Assessment Practitioner**

- § WSP Environmental (Pty) Ltd
  - Ashlea Strong



## PROJECT DESCRIPTION

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### à **BioTherm propose to establish a Solar Energy Development in the Northern Cape. The development will include the following individual projects:**

- § Letsoai CSP 1 (150MW)
- § Letsoai CSP 2 (150MW)
- § Enamandla PV 1 (75MW)
- § Enamandla PV 2 (75MW)
- § Enamandla PV 3 (75MW)
- § Enamandla PV 4 (75MW)
- § Enamandla PV 5 (75MW)
- § Solar Transmission Integration (400kV)
- § Water Pipeline

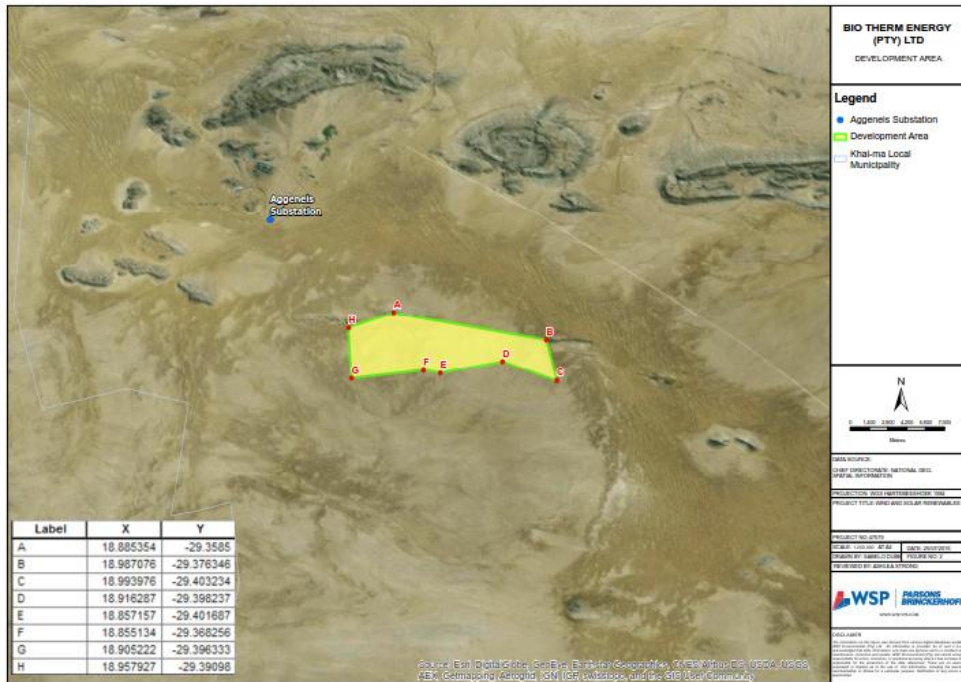


## PROJECT LOCATION



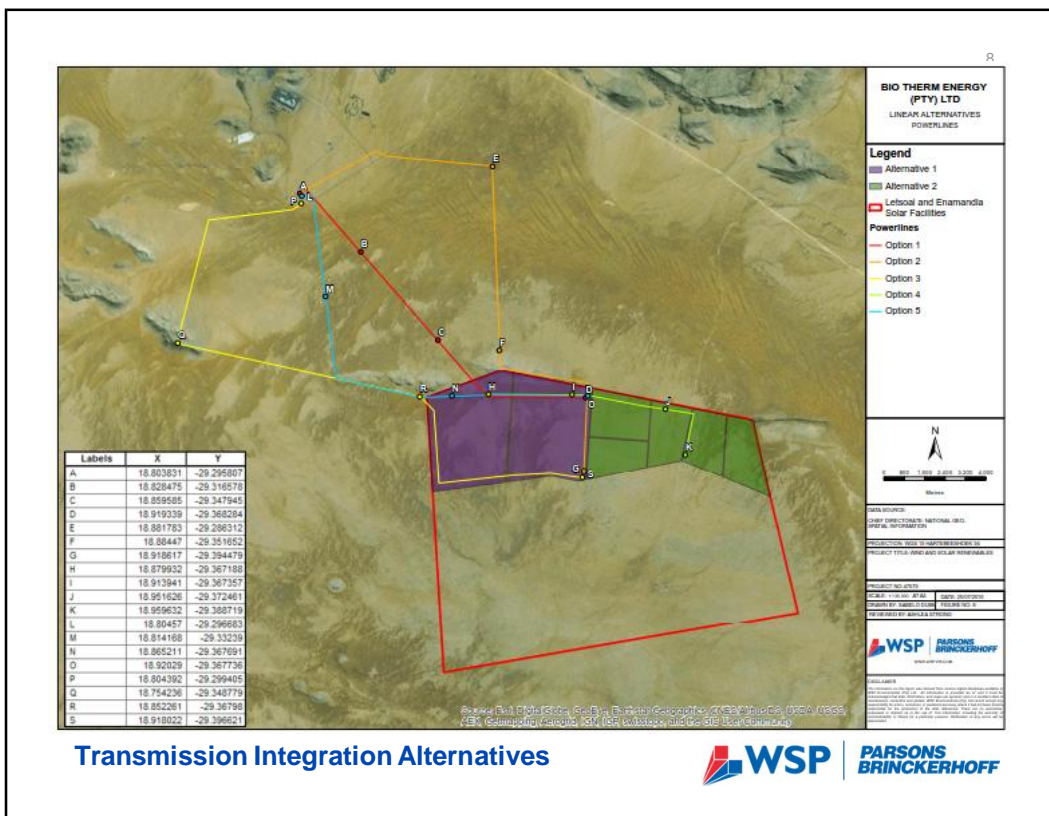
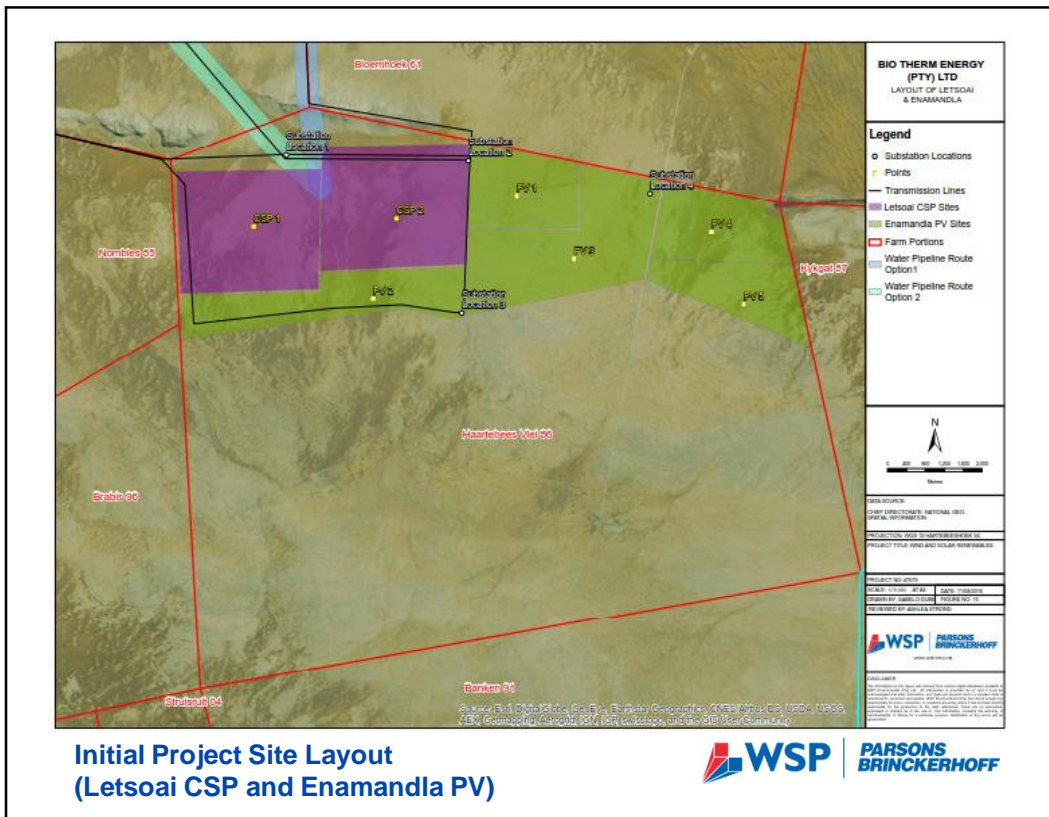
à **The Solar Energy Development will be located:**

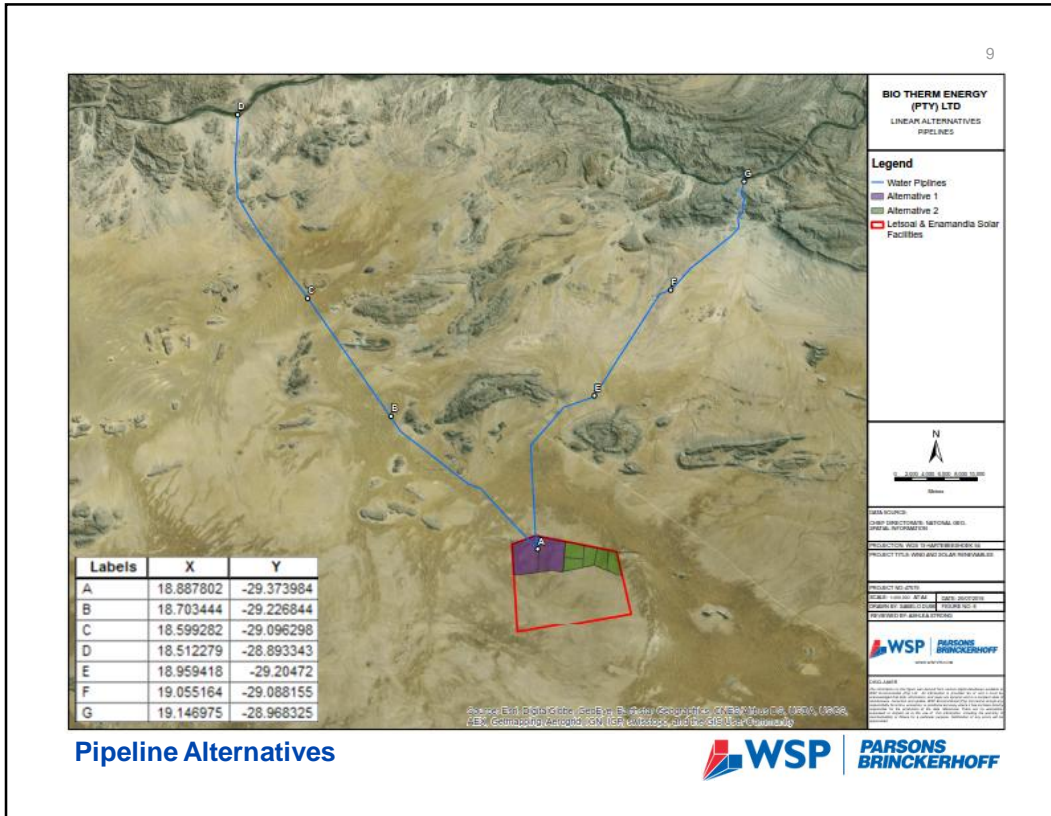
- § Farm Hartebeest Vlei 86
- § Approximately 16km southeast of Aggeneys
- § Khai-Ma Local Municipality
- § Namakwa District Municipality
- § Northern Cape



Solar Development Area







Pipeline Alternatives

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## LEGISLATIVE REQUIREMENTS

Relevant Act	Competent Authority
National Environmental Management Act (No. 107 of 1998) (NEMA)	Department of Environmental Affairs (DEA)
<ul style="list-style-type: none"> <li>An environmental authorisation is required prior to the establishment of the Proposed Projects</li> <li>A full S&amp;EIR Process is required to be conducted for the Letsoai CSP (x2), the Enamandla PV (x5) and the Solar Integration (x1) Projects</li> <li>A Basic Assessment is required to be conducted for the water pipeline</li> <li>Listed Activities triggered under Government Notice Regulation (GNR) 983, 984 and 985 of 2014</li> </ul>	
National Water Act (No. 36 of 1998)	Department of Water and Sanitation
<ul style="list-style-type: none"> <li>A water use license may be required prior to the establishment of the Proposed Water Pipeline</li> <li>The following water uses have been identified as applicable:                             <ul style="list-style-type: none"> <li>Section 21 (c) and 21 (i)</li> </ul> </li> </ul>	
National Environmental Management: Biodiversity Act, 2004 (No. 10 of 2004)	
<ul style="list-style-type: none"> <li>There are a few small Critical Biodiversity Areas (CBAs) in the study area. It is anticipated that they only affect the Enamandla PV 3, the Solar Integration and the Water Pipeline Projects.</li> </ul>	
National Heritage Resource Act (No. 25 of 1999)	
<ul style="list-style-type: none"> <li>A Heritage Impact Assessment (HIA) will be undertaken looking at Archaeology, Heritage and Palaeontology for each of the above mentioned projects</li> </ul>	
Renewable Energy Development Zone	
<ul style="list-style-type: none"> <li>The majority of the project areas fall within the Springbok Wind REDZ, with the exception of Enamandla PV 4 and 5</li> </ul>	

**WSP** | **PARSONS BRINCKERHOFF**

## LISTED ACTIVITIES (GNR 983) – LETSOAI CSP 1 & 2

LISTED ACTIVITY AS DESCRIBED IN GNR 983	APPLICABLE		APPLICABILITY & LICENCE REQUIREMENT
	CSP 1	CSP 2	
(11)- The development of facilities or infrastructure for the transmission and distribution of electricity-  (j) Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.	Applicable	Applicable	Letsoai CSP 1 and 2 will require the construction of an on-site substation and a 132kV overhead powerline. The powerline will all be outside an urban area and will connect to common on-site substation prior to the electricity being evacuated to the Eskom Grid.
(13)- The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50000 cubic metres or more, unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014.	Applicable	Applicable	Letsoai CSP 1 and 2 will require water storage tanks / dams and a water treatment plant with a combined capacity that exceeds 50 000 m <sup>3</sup> .
(14)- The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.	Applicable	Applicable	Hazardous substances such as fuel will be required to be stored on site. The storage containers will have a combined capacity of more than 80m <sup>3</sup> but less than 500m <sup>3</sup> .
(24)- The development of-  (ii) A road with a reserve wider than 13.5 meters, or where no reserve exists where the road is no wider than 8 meters.	Potentially Applicable	Potentially Applicable	Internal access roads will be required for access to Letsoai CSP 1 and 2. These roads may be wider than 8m.
(25)- The development and related operation of facilities or infrastructure for the treatment of effluent, wastewater or sewage with a daily throughput capacity of more than 2000 cubic metres but less than 15000 cubic metres	Applicable	Applicable	Letsoai CSP 1 and 2 will require a water treatment plant with a daily throughput capacity of more than 2 000m <sup>3</sup> but less than 15 000 m <sup>3</sup>
(28)- Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development:  (ii) Will occur outside an urban area, where the total land to be developed is bigger than 1 hectare.	Applicable	Applicable	Letsoai CSP 1 and 2 are proposed to be developed outside an urban area with a development footprint of more than 1 ha.
(56)- The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-  (j) Where the existing reserve is wider than 13,5 meters; or	Potentially Applicable	Potentially Applicable	The main access road that connects Letsoai CSP 1 and 2 to the N14 may require widening.



## LISTED ACTIVITIES (GNR 984) – LETSOAI CSP 1 & 2

LISTED ACTIVITY AS DESCRIBED IN GNR 984	APPLICABLE		APPLICABILITY & LICENCE REQUIREMENT
	CSP 1	CSP 2	
(1)- The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs within an urban area.	Applicable	Applicable	Letsoai CSP 1 and 2 will generate electricity from a renewable resource with an electricity output of more than 20 megawatts (150MW).
(4)- The development of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres	Applicable	Applicable	In the event that a storage option is required for the Heat Transfer Liquid then hazardous substances such as either molten salt or fuel oil will be required to be stored on site. The storage containers will have a combined capacity of more than 500 m <sup>3</sup> .
(6)- The development of facilities or infrastructure for any process or activity which requires a permit or license in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent	Applicable	Applicable	A water use license will be required for the discharge of wastewater to the evaporation ponds.
(15)- The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-  (i) the undertaking of a linear activity; or  (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	Potentially Applicable	Potentially Applicable	Letsoai CSP 1 and 2 will potentially require more than 20ha of indigenous vegetation to be cleared.
(1)- The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs within an urban area.			



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## LISTED ACTIVITIES (GNR 983) – ENAMANDLA PV 1 - 5

LISTED ACTIVITY AS DESCRIBED IN GNR 983	APPLICABLE					APPLICABILITY REQUIREMENT & LICENCE
	PV 1	PV 2	PV 3	PV 4	PV 5	
(11)- The development 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.	Applicable	Applicable	Applicable	Applicable	Applicable	The projects will require the construction of an on-site substation and a 132kV overhead powerline. The powerline will all be outside an urban area and will connect to common on-site substation prior to the electricity being evacuated to the Eskom Grid.
(14)- The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.	Applicable	Applicable	Applicable	Applicable	Applicable	Hazardous substances such as fuel will be required to be stored on site. The storage containers will have a combined capacity of more than 80m <sup>3</sup> but less than 500m <sup>3</sup> .
(24)- The development of- (ii) A road with a reserve wider than 13,5 meters, or where no reserve exists where the road is no wider than 8 meters.	Potentially Applicable	Potentially Applicable	Potentially Applicable	Potentially Applicable	Potentially Applicable	Internal access roads will be required for access. These roads may be wider than 8m.
(28)- Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development:  (ii) Will occur outside an urban area, where the total land to be developed is bigger than 1 hectare.	Applicable	Applicable	Applicable	Applicable	Applicable	The projects are proposed to be developed outside an urban area with a development footprint of more than 1 ha.
(30) Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	A small Critical Biodiversity Area is located within the Enamandla PV 3 site.
(56)- The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre- (i) Where the existing reserve is wider than 13,5 meters; or	Potentially Applicable	Potentially Applicable	Potentially Applicable	Potentially Applicable	Potentially Applicable	The main access road that connects the project area to the N14 may require widening.

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## LISTED ACTIVITIES (GNR 984) – ENAMANDLA PV 1 - 5

LISTED ACTIVITY AS DESCRIBED IN GNR 984	APPLICABLE					APPLICABILITY REQUIREMENT & LICENCE
	PV 1	PV 2	PV 3	PV 4	PV 5	
(1)- The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs within an urban area.	Applicable	Applicable	Applicable	Applicable	Applicable	The Enamandla PV projects will generate electricity from a renewable resource with an electricity output of more than 20 megawatts (75MW).
(15)- The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-  (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.  (1)- The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more, excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs within an urban area.	Applicable	Applicable	Applicable	Applicable	Applicable	The Enamandla PV projects will require more than 20ha of indigenous vegetation to be cleared.

## LISTED ACTIVITIES (GNR 985) – ENAMANDLA PV 1 - 5

LISTED ACTIVITY AS DESCRIBED IN GNR 985	APPLICABLE					APPLICABILITY REQUIREMENT & LICENCE
	PV 1	PV 2	PV 3	PV 4	PV 5	
(4) - The development of a road wider than 4 metres with a reserve less than 13,5 metres. In The Northern Cape - (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	A small Critical Biodiversity Area is located within the Enamandla PV 3 site.
(12) - The clearance of an area of 300 square meters or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan In the Northern - (j) Within critical biodiversity areas identified in bioregional plans	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	A small Critical Biodiversity Area is located within the Enamandla PV 3 site.
(14) - The development of - (xii) infrastructure or structures with a physical footprint of 10 square meters or more In the Northern Cape (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	A small Critical Biodiversity Area is located within the Enamandla PV 3 site.



## LISTED ACTIVITIES (GNR 983) – TRANSMISSION INTEGRATION

LISTED ACTIVITY AS DESCRIBED IN GNR 983	APPLICABLE	APPLICABILITY & LICENCE REQUIREMENT
(12) - The development of- (xii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs- (a) within a watercourse; (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;	Potentially Applicable	The powerline route may cross a watercourse.
(19) - The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from- (j) a watercourse;	Potentially Applicable	The powerline route may cross a watercourse.
(27) - The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	Applicable	The construction of the common on-site substations will require the clearance of indigenous vegetation of more than 1ha but less than 20 ha.
(28) - Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development: (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;	Applicable	The construction of the common on-site substations are proposed to be developed outside an urban area with a development footprint of more than 1 ha



## LISTED ACTIVITIES (GNR 984) – TRANSMISSION INTEGRATION

LISTED ACTIVITY AS DESCRIBED IN GNR 984	APPLICABLE	APPLICABILITY & LICENCE REQUIREMENT
(9) - The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex.	Applicable	The CSP and PV facilities will require the construction of on-site substations and one 400kV overhead powerline in order to connect to the Eskom Grid.

## LISTED ACTIVITIES (GNR 985) – TRANSMISSION INTEGRATION

LISTED ACTIVITY AS DESCRIBED IN GNR 985	APPLICABLE	APPLICABILITY & LICENCE REQUIREMENT
(4) - The development of a road wider than 4 metres with a reserve less than 13,5 metres. In The Northern Cape - (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	Potentially Applicable	The powerline route may intersect a Critical Biodiversity Area.
(12) - The clearance of an area of 300 square meters or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan In the Northern - (i) Within critical biodiversity areas identified in bioregional plans	Potentially Applicable	The powerline route may intersect a Critical Biodiversity Area
(14) - The development of – (xii) infrastructure or structures with a physical footprint of 10 square meters or more In the Northern Cape (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;	Potentially Applicable	The powerline route may intersect a Critical Biodiversity Area



## LISTED ACTIVITIES (GNR 983) – WATER PIPELINE

LISTED ACTIVITY AS DESCRIBED IN GNR 983	APPLICABLE PV 5	APPLICABILITY & LICENCE REQUIREMENT
(9) - The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water- (i) with an internal diameter of 0,36 metres or more; or (ii) with a peak throughput of 120 litres per second or more;	Applicable	The CSP facilities will require water. The water supply pipeline to be constructed will be longer than 1000m and will have an internal diameter of more than 0,36 metres.
(12) - The development of- (xii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs- (a) within a watercourse; (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;	Potentially Applicable	The pipeline route may cross a watercourse.
(19) - The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from- (i) a watercourse;	Potentially Applicable	The pipeline route may cross a watercourse.





## LISTED ACTIVITIES (GNR 985) – WATER PIPELINE

LISTED ACTIVITY AS DESCRIBED IN GNR 985	APPLICABLE PV 5	APPLICABILITY & LICENCE REQUIREMENT
(4) - The development of a road wider than 4 metres with a reserve less than 13,5 metres. In The Northern Cape - (ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans	Potentially Applicable	The pipeline route may intersect with a Critical Biodiversity Area.
(12) - The clearance of an area of 300 square meters or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan In the Northern - (i) Within critical biodiversity areas identified in bioregional plans	Potentially Applicable	The pipeline route may intersect with a Critical Biodiversity Area.
(14) - The development of – (xii) infrastructure or structures with a physical footprint of 10 square meters or more In the Northern Cape (ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;	Potentially Applicable	The pipeline route may intersect with a Critical Biodiversity Area.



## SPECIALIST STUDIES




SPECIALIST FIELD	COMPANY NAME	TEAM MEMBERS	ASSESSMENT IN EIA PHASE
Soil, Land Capability and Wetlands	WSP Environmental (Pty) Ltd	Bruce Wickham, Gerg Matthews	Yes
Biodiversity	Simon Todd Consulting	Simon Todd	Yes
Avifauna	Chris van Rooyen Consulting	Chris van Rooyen, Albert Froneman	Yes
Heritage	ACO Associates	Tim Hart, Lita Webley, David Halkett	Yes
Palaeontology	Natura Viva	John Almond	No
Visual	-	Belinda Gebhardt	Yes
Social	WSP Environmental (Pty) Ltd	Danielle Sanderson, Hillary Konigkramer	Yes
Traffic	WSP Group Africa (Pty) Ltd	Christo Bredehann	Yes
Water Availability	WSP Environmental (Pty) Ltd	Kerry Grimmer	No





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## DISCUSSION

à Questions?









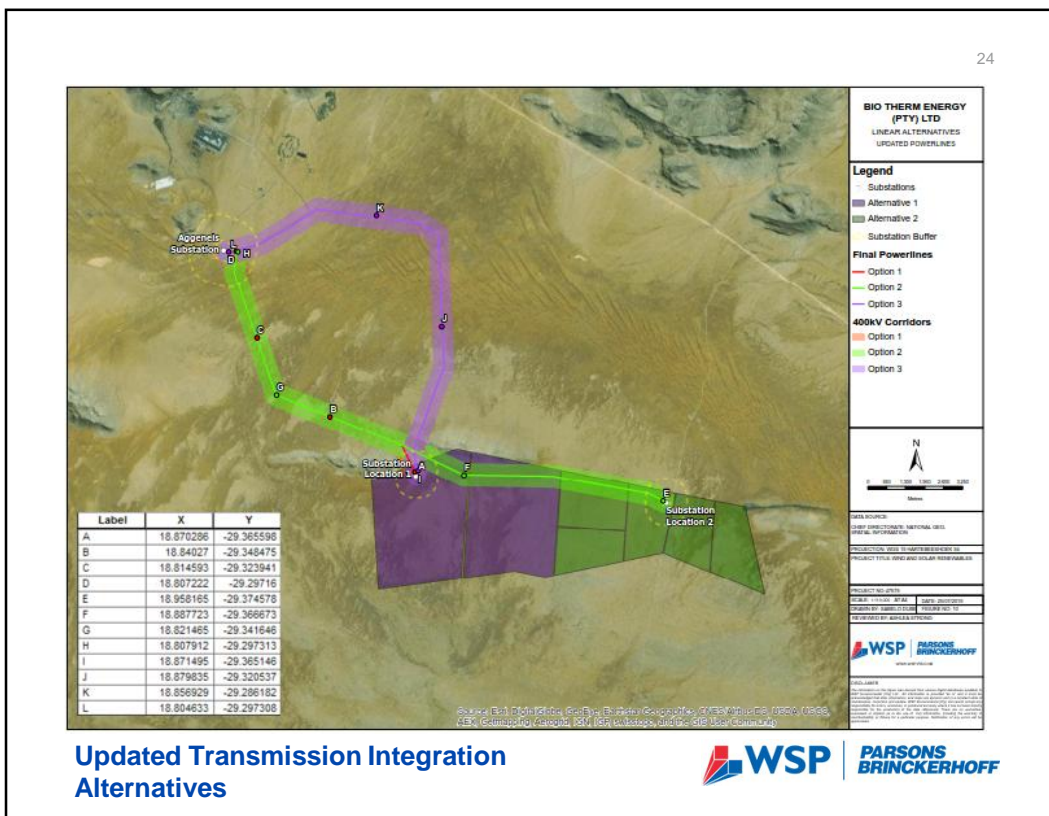
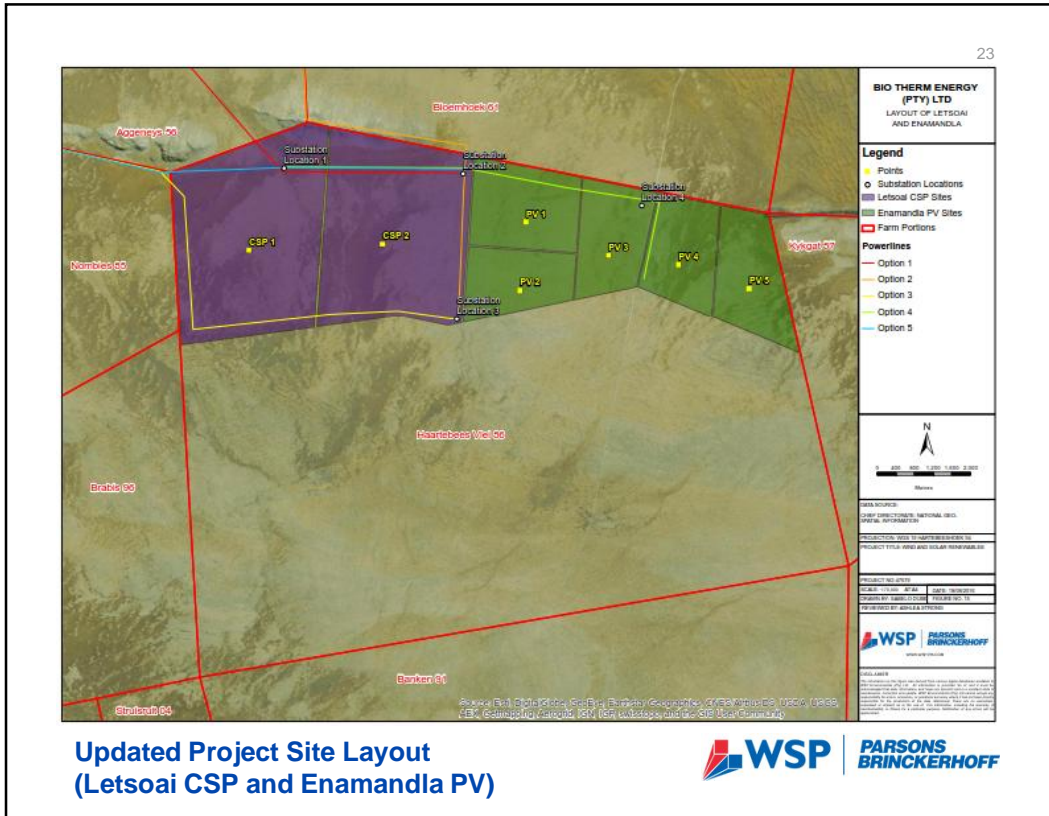
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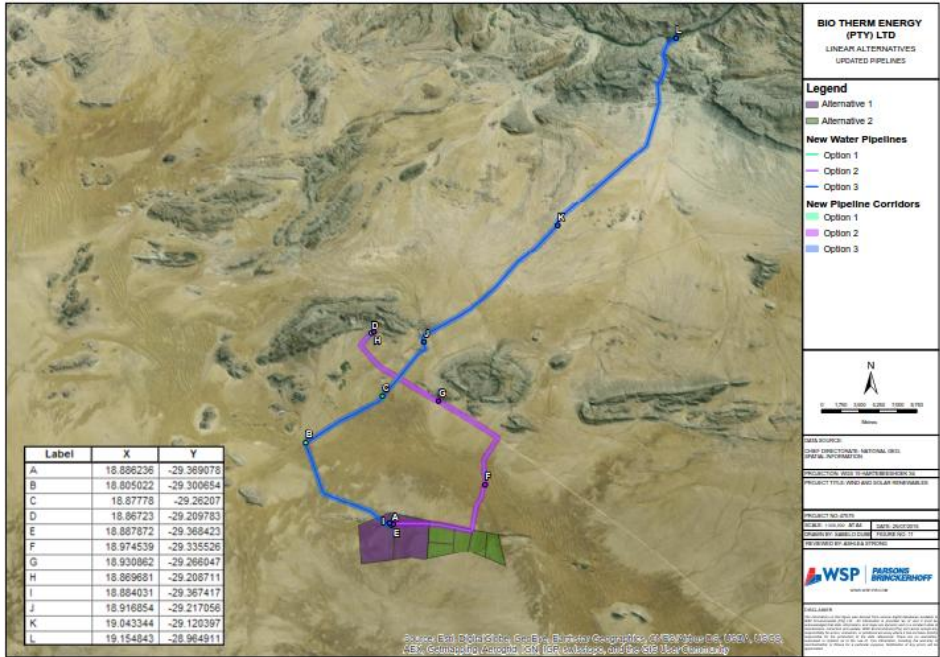
## WAY FORWARD

Task	Date
S&EIR Application Submission: <ul style="list-style-type: none"> <li>• Letsoai CSP 1 and 2</li> <li>• Enamandla PV 1 – 5</li> <li>• Transmission Integration</li> </ul>	1 September 2016
Draft Scoping Report Review Period: <ul style="list-style-type: none"> <li>• Letsoai CSP 1 and 2</li> <li>• Enamandla PV 1 – 5</li> <li>• Transmission Integration</li> </ul>	1 September – 1 October 2016
Public Meetings: <ul style="list-style-type: none"> <li>• Letsoai CSP 1 and 2</li> <li>• Enamandla PV 1 – 5</li> <li>• Transmission Integration</li> </ul>	19 – 23 September 2016
Pipeline Basic Assessment:	October 2016







Updated Pipeline Alternatives

