

APPENDIX 3.7: PRE-CONSULTATION MEETINGS



An Environmental
Presentation from Triplo4



**PRE-CONSULTATION MEETING WITH CITY
OF uMHLATHUZE - ENVIRONMENTAL
PROPOSED GAS TO POWER VIA POWERSHIP PROJECT
FOR PORT OF RICHARDS BAY
Project of Karpowership SA (PTY) Ltd**

12 OCTOBER 2022

AUTHORITY REFERENCE:

14/12/16/3/3/2/2007

AGENDA

1. Introduction & Purpose
2. Background to Scoping & EIAR
3. Current Approach & Timelines
4. Specialist Studies
5. Discussions
 - Assistance of City of uMhlathuze
 - Similar Projects or Authorisations
 - City of uMhlathuze Requirements
 - Other Comments & Recommendations
6. Closure

INTRODUCTION & PURPOSE

- Triplo4: Appointed EAP (Hantie Plomp, Melisa Gopaul & Chen Read)
- Karpowership SA (Pty) Ltd: Curtis Meintjies - (Environmental); Kurt Morais - (Corporate Relations Manager)
- City of uMhlathuze: Nokubonga Duma (Project Manager: Environmental Planning) & Brenda Strachan (Manager: Spatial and Environmental Planning)
- Provide an overview of project-to-date to initiate stakeholder engagement as part of the EIA:
 - MANCO Meeting – 26th September 2022

BACKGROUND TO SCOPING & EIAR

(S&EIR) process was conducted during 2020-2021:

- Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021.
- Final EIAR and EMPr were submitted to the DFFE on the 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021.
- 13 July 2021, KSA appealed the DFFE's refusal.

CURRENT POSITION

KSA appealed the DFFE refusal and on the 1st August 2022, the Minister DFFE, dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA to:

“remit the matter to the CA... so that the various gaps in information and procedural defects in relation to the PPP that led to the rejection of the EA application may be addressed during the reconsideration and re-adjudication of the EA application, provided that the timeframes prescribed by the 2014 EIA Regulations in respect of the EIA process are adhered to by the appellant and the CA”

PROJECT TIMELINES

- PPP Process:
 - Enhanced PPP
 - Public meetings in person, focus groups meetings, advertisements, radio announcements, multilingual notifications and translations at public meetings)
 - Draft EIAR: 10th Nov – 13th Dec 2022 (33 days comment period)
 - Final EIAR – due in January 2023

SPECIALIST STUDIES

- Extensive Assessments via numerous Specialist Studies
 - Wetland Delineation and Functionality
 - Wetland Rehabilitation Plan
 - Terrestrial Ecology
 - Avifauna
 - Heritage & Palaeontology
 - Estuarine and Coastal
 - Marine Ecology & Fisheries
 - Climate Change
 - Project Sustainability
 - Geohydrology
 - Hydropedology
 - Hydrology (incl. 1:100 Year Floodline)
 - Aquatic
 - Major Hazard Installation Risk
 - Air Quality
 - Socio-Economic, Tourism, Small-Scale Fishers & Energy
 - Underwater & Terrestrial Noise
 - Visual Impact
 - Thermal Plume
 - Traffic (incl. Marine)
 - Water Balance

DISCUSSIONS

- Assistance of City of uMhlathuze
 - Similar Projects or Authorisations
- City of uMhlathuze Requirements
- Other Comments & Recommendations



Thank you

**MINUTES OF THE PRE-CONSULTATION MEETING WITH CITY OF UMHLATHUZE – ENVIRONMENTAL
IN RESPECT OF PROPOSED GAS TO POWER VIA POWERSHIP PROJECT FOR PORT OF RICHARDS
BAY**

MEETING WAS HELD VIA MICROSOFT TEAMS (MS TEAMS)

ON 12 OCTOBER 2022 AT 09:30am to 10:05am

Present	
City of uMhlathuze	Brenda Strachan (BS) - Manager: Spatial and Environmental Planning, Nokubonga Duma (ND) - Project Manager: Environmental Planning
Karpowership SA (Pty) Ltd	Curtis Meintjies (CM) – Environmental, Kurt Morais (KM) - Corporate Relations Manager
Triplo4 Sustainable Solutions	Hantie Plomp (HP), Melissa Gopaul (MG) & Chen Read (CR) and Mthabiseni Qwabe (MQ)
Apologies	
None.	

ITEM	DESCRIPTION
	GREETINGS
1	INTRODUCTION AND PURPOSE OF THE MEETING
1.1	The meeting was requested by Triplo4 Sustainable Solutions (Pty) Ltd, the Environmental Practitioner (EAP) appointed by Karpowership SA (Pty) Ltd (KSA) in terms of Regulation 8 of the EIA Regulations, 2014 (as amended) to provide an overview of the Karpowership project to date (in terms of the Environmental Impact Assessment (EIA) process) and to initiate stakeholder engagement as part of the EIA. Triplo4 requested assistance from City of uMhlathuze, to advise on similar projects or authorisations that should be considered in the EIA report (for cumulative impacts), as well as indication on any requirements or recommendations from the city of uMhlathuze.
1.2	MG chaired the meeting and thanked the City of uMhlathuze for availing themselves for the meeting and mentioned that their availability is appreciated. MG suggested that the meeting follows the structure of the agenda that was circulated which was then followed by the introduction. The following Agenda for the meeting was used: <ul style="list-style-type: none"> 1. Introduction & Purpose; 2. Background to Scoping & EIAR; 3. Current Approach & Timelines;

ITEM	DESCRIPTION
	<p>4. Specialist Studies;</p> <p>5. Discussions</p> <ul style="list-style-type: none"> - Assistance of City of uMhlatuze; - Similar Projects or Authorisations; - City of uMhlatuze Requirements and; - Other Comments & Recommendations <p>6. Closure</p>
1.3	<p>MG introduced the EAPs for the project (Triplo4) and requested that the KSA team introduce themselves. ND introduced herself as a representative for City of uMhlatuze Environmental Section.</p>
1.4	<p>MG provided an introduction to the meeting and stated that the main objective/purpose of the meeting was to provide an overview of the project and to initiate the stakeholder engagement with the city of uMhlatuze throughout the EIA process and to have a consultative approach throughout the Public Participation Process (PPP), draft and final phases.</p>
1.5	<p>MG highlighted that recent engagements with the municipality had undertaken by the KSA team, such as the MANCO meeting held on the 26th September 2022, and requested that KM provides an update on the MANCO meeting.</p>
1.6	<p>KM provided a brief summary of the MANCO meeting and highlighted that the main objective of the meeting was to reintroduce the project after the elections with the new Municipal Manager as discussions were held with the previous municipality manager.</p>
1.7	<p>KM stated that a discussion with Mr. Donga was held to discuss the municipal requirements in relation to the priorities from the municipality's point of view on what is contained within the municipality IDP and what needs to be prioritized.</p>
1.8	<p>MG requested that BS introduces herself. BS commended that there has been engagement with the municipality and suggested that in the future communications, Mr. Mthokozisi Mhlongo is copied in all communications as he is the head of Department.</p>
1.9	<p>MG requested that the details for Mr. Mhlongo are shared with Triplo4 for inclusion in all future communications as requested by BS.</p>
1.10	<p>The meeting was held prior to the submission of the Draft Environmental Impact Assessment Report (EIAR) for public comment: Scheduled for the period 10th Nov – 13th Dec 2022.</p>
2.	BACKGROUND TO SCOPING & ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR)
2.1	<p>MG provided the following background: (S&EIR) process was conducted during 2020-2021:</p>

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	<ul style="list-style-type: none"> ▪ Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021. ▪ Final EIAR and EMPr were submitted to the DFFE on the 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021. ▪ 13 July 2021, KSA appealed the DFFE's refusal.
3.	CURRENT POSITION
3.1	<p>MG mentioned that following the abovementioned process in the background, KSA appealed the DFFE refusal and on the 1st August 2022, the Minister DFFE, dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA to:</p> <p><i>“remit the matter to the CA... so that the various gaps in information and procedural defects in relation to the PPP that led to the rejection of the EA application may be addressed during the reconsideration and re-adjudication of the EA application, provided that the timeframes prescribed by the 2014 EIA Regulations in respect of the EIA process are adhered to by the appellant and the CA”</i></p>
3.2	<p>MG further highlighted that the application is currently in the EIA process and that the Scoping still stands.</p>
4	PROJECT TIMELINES IN RELATION TO THE PUBLIC PARTICIPATION PROCESS
4.1	<p>MG highlighted that the following will be undertaken during the during the EIA process:</p> <ul style="list-style-type: none"> • An enhanced Public Participation Process will be undertaken; • Public meetings in person and virtual; • Focus groups meetings; • Advertisements; • Radio announcements; • Multilingual notifications and; • Translations at public meetings <p>MG further mentioned that the Draft EIAR will be available from the 10th November – 13th December 2022 for 33 days comment period with the Final EIAR – due in January 2023.</p>
5	SPECIALIST STUDIES
5.1	<p>MG highlighted that the following extensive specialist assessments will be included in the draft for comments by various I&APs:</p> <ul style="list-style-type: none"> • Wetland Delineation and Functionality • Wetland Rehabilitation Plan • Terrestrial Ecology • Avifauna

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	<ul style="list-style-type: none"> • Heritage & Palaeontology • Estuarine and Coastal • Marine Ecology & Fisheries • Climate Change • Project Sustainability • Geohydrology • Hydropedology • Hydrology (incl. 1:100 Year Floodline) • Aquatic • Major Hazard Installation Risk • Air Quality • Socio-Economic, Tourism, Small-Scale Fishers & Energy • Underwater & Terrestrial Noise • Visual Impact • Thermal Plume • Traffic (incl. Marine) • Water Balance <p>MG further mentioned that there will be technical studies that will also be available within the draft EIA Report.</p>
5.2	MG opened the floor for comments and recommendations, and highlighted that the EAP (Triplo4) would require assistance from the city of uMhlathuze by providing any projects or authorisations of similar nature that the EAP and specialists needs to consider.
5.3	MG further requested that the city of uMhlathuze provides an outline of what the city of uMhlathuze would require from the EAP (Triplo4) or the applicant, as well as any comments and recommendations that the city of uMhlathuze might have.
5.4	BS requested clarity on the timelines and requested that the presentation and the minutes will be sent to the city of uMhlathuze for a formal communication.
5.5	BS clarified if the same process is undertaken with the other I&APs and requested that they are given time to go through the records of the previous round.
5.6	MG highlighted that the engagement is indeed based on the previous comments as well as aspects outlined by the minister, and further stated that the documents requested regarding the meeting will be provided.

ITEM	DESCRIPTION
5.7	BS queried if similar engagements/sessions with District Municipalities and Port (Port of Richards Bay) have been undertaken or are being undertaken.
5.8	KM provided that there has been engagements with the district municipality and Transnet National Port Authority (TNPA). KM further explained that with TNPA, there are weekly update discussions, and they are aware of where the project is at this stage.
5.9	HP requested that BS assist in highlighting some of the people that may be recommended for similar engagements. BS stated that the list of departments will be shared together with the details of the city Head of Department
5.10	HP referred to the timelines highlighted that the project is back at the EIA phase and that adherence to the 107 days is crucial and must be complied with. HP re-iterated that the EAP has reviewed uMhlathuze's previous comments that were received during the previous PPP, as well as the minister's decision on the appeal, and that the process is underway to close the identified gaps.
5.11	ND queried if the list of I&APs compiled can be shared with the city of uMhlathuze. ND further requested that the details for public meetings are shared with the Municipality for the municipality representatives to attend.
5.12	HP requested ND share the information with the other relevant departments within the municipality however requested that that the list of I&APs is kept internally as it is still being updated.
5.2	HP highlighted that there has been engagements with Small Scale Fishers and there was an onsite workshop with the small scale fishers that attended on the basis of invitation.
6	OTHER
6.1	ND highlighted that when the city of uMhlathuze – Environmental Department receives the EIA report, the report will be shared with the various relevant departments within the municipality for a specific period (e.g. 2 weeks) to comment before a consolidated and signed comment report is sent to the EAP.
6.2	MG stressed that when the material for the meeting is shared, request will be made that assistance be provided with regards to similar projects or authorisation that the EAP or specialists need to consider in the cumulative impacts assessment.
6.3	HP further queried if there are any departments or entities that the city of uMhlathuze deem as important to be contacted for engagement. ND highlighted that state Departments such as EKZN are contacted.
6.4	ND further queried if there are any target groups, officials, and state departments and if there has been plans of the groups that will be contacted.
6.5	HP responded and highlighted that the engagements will be dealt with at the planned public meetings, with the aim to make them as wide as possible. Specific stakeholders meetings have not yet been finalized, and, assistance may be required on who may be engaged with for such meetings.
7	CLOSURE

ITEM	DESCRIPTION
7.1	MG requested if there are any comments on the discussion held. With no further comments, MG closed the meeting and thanked all the attendees for attending the meeting and highlighted that the minutes together with the presentation will be shared with the city of uMhlatuze.
7.2	The meeting was adjourned.

MINUTES OF THE FOCUS GROUP MEETING WITH REQUA

PROPOSED GAS TO POWER VIA POWERSHIP PROJECT AT THE PORT OF SALDANHA BAY AND ASSOCIATED EVACUATION ROUTE WITHIN SALDANHA BAY LOCAL MUNICIPALITY

MEETING WAS HELD VIA ZOOM

ON 6TH DECEMBER 2022 AT 11:15am to 12:00pm

Present	
Requa	Leon Moodaley (LM), Cliffie Vraagom (CV)
Karpowership SA (Pty) Ltd	Curtis Meintjies (CM) – Environmental, Kurt Morais (KM) - Corporate Relations Manager, Marius Meyer – Project Manager
Triplo4 Sustainable Solutions	Hantie Plomp (HP), Shanice Singh (SS), Zayd Hoosen (ZH), Vandana Singh (VS)
Invitees	

ITEM	DESCRIPTION
1	INTRODUCTION AND PURPOSE OF THE MEETING
1.1	<p>The meeting was requested by Triplo4 Sustainable Solutions (Pty) Ltd, the Environmental Assessment Practitioner (EAP) appointed by Karpowership SA (Pty) Ltd (KSA) in terms of Regulation 8 of the EIA Regulations, 2014 (as amended) to determine any issues that may not have been raised during the two public meetings held on 21 November 2022, or if there were any clarifications required by Requa.</p> <p>Introductions between Triplo4, Karpowership and Requa were made. No agenda was provided and the floor was left open for members of the Requa to raise any concerns, ask any questions or provide any comments related to the proposed project.</p>
2.	DISCUSSIONS
2.1	<p>CV and LM queried how the community will benefit from this project, the water temperature impacts, the socio economic impacts, iron concentrations at TNPA, noise pollution, if the baseline study has been concluded, the maritime traffic, thermal plume, sea water temperature and impacts on the surroundings and aquaculture, cooling water, contaminated water, mitigating measures, LNG storage facility and its impacts, use of municipal water, employment, how is the muscle farming sector impacted, environmental impacts on the birds and sea turtles, tariffs, high CO₂ emissions, what's the procedure in place for gas leaks climate change and impacts on the local community.</p> <p>HP confirmed the impacts of iron concentration will not on contribute to any existing impacts. HP gave an overview of the underwater noise assessment, which was taken from an existing powership and showed a reduced impact as compared to the previous assumed noise impact. The assessment considered the background noise and thermal modelling inputs. Above ground noise impact is minimal moving away from the ship, none of the surrounding areas will be impact by the noise. Most of the temperature changes are associated immediately within the vicinity of the ship. The biggest risk associated is when there is ship to ship transfer and when the natural gas is being transferred to the powership. LNG has lower risk than any other fuel. Pollution is not a concern, once the ships are moored the diesel will be drained and they will not move until the project is over. CV thanked HP for the detailed overview.</p> <p>CV queried the environmental impacts on the aquaculture. HP confirmed the specialist approved the project as it is outside the estuarine functional zone and its associated marine protected areas. The positive effect of the project leads to reduced negative socio economic impacts and improved socio economic conditions. KM confirmed that Karpowership SA will be creating</p>

ITEM	DESCRIPTION
	<p>permanent and semi-permanent jobs during the construction phase, on board jobs and services deliveries to the vessels.</p> <p>Economic development is made up of four components:</p> <ul style="list-style-type: none"> • Socio economic development e.g. corporate social investments, • Enterprise development e.g. supporting small businesses, • Supplier development e.g. delivering services and • Skills development e.g. local community training. <p>KM confirmed that funding will be allocated to Saldanha Bay area and neighbouring communities over the next 20 years. There will be continuous engagement with the community to develop skills. Focus will be on the under privilege areas. Skills development will also provide the skills communities need to open there own business. Providing opportunities that are currently not in place. Supporting the existing aquacultures in the bay. CV queried if the required skills will be SAQA accreditation or international. KM confirmed skills development will be accredited by South African Qualifications Authority (SAQA).</p> <p>CV queried what the time frame for upskilling the local people. KM confirmed it is expected that the skills needed for the project will be taught and achieved within a three year period. The focus will be on developing skills in on-the-job training and learnerships, or trying to partner with other companies / universities / technical collages. All information will be made available on their website closer to the time. CV thanked KM for the overview.</p> <p>HP confirmed the parameters, the intake velocity was recommend to be 0.15 meters per/ second and the actual intake is 0.06. In terms of specialist recommendations that ships intake will be much lower and deemed a safe velocity in which any infringement can be reduced.</p> <p>CV queried social investments into the community. KM confirmed that there will be investments in primary and secondary schools, stem programs with focus on science and maths, bursaries, scholarships and solar programs.</p> <p>LM queried what happens when Karpowerships leaves the country after 20 years. HP confirmed that the community in Ghana are happy and continue with their programs. HP then stated that further engagement with Karpowership would be needed to look at the legacy aspects of the project.</p>
3.	CLOSURE
3.1	HP thanked everyone for their time and engagement. To please reach out to Triplo4 if they have any further queries. The meeting came to a close at 12:00.
4.	ADDITIONAL RESPONSES
	<p>During the meeting, it was agreed that any questions not responded to can be done so via written submission. This section addresses all the questions that were not responded to during the meeting.</p> <p>The comments related to contaminated water, LNG storage facility, use of municipal water, tariffs and procedure for gas leaks.</p> <p>1. Contaminated water: The use of close-loop water systems that exclude the use of biocides and chlorine and thus prevent any potential pollution within the marine environment. No chemicals whatsoever, including chlorine, are discharged with the cooling water. No biocides and no other additives are necessary to control bio-fouling in seawater pumping and temperature exchange systems. Being operational within the Port, all TNPA and MARPOL requirements will be relevant and complied with to prevent marine pollution. Hull cleaning will also be conducted in accordance with the Port's authorisations and requirements. All effluent and solid waste will be removed from the ships and treated and disposed of in terms of the applicable legislation by authorised service providers.</p>

ITEM	DESCRIPTION																																																																	
	<p>2. LNG storage facility: The ship that stores the gas is referred to as the Floating Storage and Regasification Unit (FSRU). The LNG stored on the FSRU at any given time will not exceed 175 000m³. The FSRU is made up of a series of pressurised and cooled containers to store the LNG. Storage of Natural Gas (i.e. gaseous form) on the Powership is of very small quantities and can be assumed as zero. The reason for this is because LNG is regassified on the FSRU and is then sent to the Powership as gas on demand from the generation engines and it is used in its entirety. The volume of LNG required for operations will be entirely dependent on dispatch instructions, which can be issued within a 16.5 hour time period per day, issued by the buyer, Eskom. The LNG stored upon the FSRU will need to be resupplied approximately once every 20-30 days, when the level reaches the contingency allowance remaining (i.e. significantly before the storage becomes empty). The FSRU is refuelled through vessels specially fitted for the purpose of carrying LNG – a Liquid Natural Gas Carrier or LNGC. This LNGC will temporarily moor alongside the FSRU over a 1 to 2 day period, approximately every 20 to 30 days, while offloading the LNG cargo via STS transfer to the FSRU.</p> <p>3. Use of municipal water: No municipal water will be used in the operation of the powership or FSRU.</p> <p>4. Tariffs: Karpowership responded to the RMIPPPP. It is within the remit of Eskom and NERSA to evaluate current Eskom tariffs. Karpowership’s costing does however compare favourably upon evaluation against the other preferred bidders for the RMIPPPP, which are shown in the following table:</p> <table border="1" data-bbox="280 943 1439 1491"> <thead> <tr> <th colspan="5" data-bbox="280 943 1439 981">Price Ranking</th> </tr> <tr> <th data-bbox="280 981 580 1014">Name</th> <th data-bbox="580 981 708 1014">Price</th> <th data-bbox="708 981 849 1014">MW</th> <th data-bbox="849 981 1078 1014">Location</th> <th data-bbox="1078 981 1439 1014">Technology Mix</th> </tr> </thead> <tbody> <tr> <td data-bbox="280 1014 580 1055">ACWA Power Project DAO</td> <td data-bbox="580 1014 708 1055">1,462.00</td> <td data-bbox="708 1014 849 1055">150.00</td> <td data-bbox="849 1014 1078 1055">Northern Cape</td> <td data-bbox="1078 1014 1439 1055">Diesel + Solar + Battery</td> </tr> <tr> <td data-bbox="280 1055 580 1099">Karpowership SA Coega</td> <td data-bbox="580 1055 708 1099">1,468.87</td> <td data-bbox="708 1055 849 1099">450.00</td> <td data-bbox="849 1055 1078 1099">Eastern Cape</td> <td data-bbox="1078 1055 1439 1099">Floating, Modular Reciprocating Gas Engines</td> </tr> <tr> <td data-bbox="280 1099 580 1144">Karpowership SA Richards Bay</td> <td data-bbox="580 1099 708 1144">1,496.03</td> <td data-bbox="708 1099 849 1144">450.00</td> <td data-bbox="849 1099 1078 1144">KZN</td> <td data-bbox="1078 1099 1439 1144">Floating, Modular Reciprocating Gas Engines</td> </tr> <tr> <td data-bbox="280 1144 580 1189">Mulilo Total Hydra Storage</td> <td data-bbox="580 1144 708 1189">1,515.97</td> <td data-bbox="708 1144 849 1189">75.00</td> <td data-bbox="849 1144 1078 1189">Northern Cape</td> <td data-bbox="1078 1144 1439 1189">Diesel + Solar + Battery</td> </tr> <tr> <td data-bbox="280 1189 580 1234">Oya Energy Hybrid Facility</td> <td data-bbox="580 1189 708 1234">1,550.34</td> <td data-bbox="708 1189 849 1234">128.00</td> <td data-bbox="849 1189 1078 1234">Western Cape</td> <td data-bbox="1078 1189 1439 1234">Diesel + Wind + Solar + Battery</td> </tr> <tr> <td data-bbox="280 1234 580 1279">Karpowership SA Saldanha</td> <td data-bbox="580 1234 708 1279">1,686.48</td> <td data-bbox="708 1234 849 1279">320.00</td> <td data-bbox="849 1234 1078 1279">Western Cape</td> <td data-bbox="1078 1234 1439 1279">Floating, Modular Reciprocating Gas Engines</td> </tr> <tr> <td data-bbox="280 1279 580 1323">Umoyilanga Energy</td> <td data-bbox="580 1279 708 1323">1,721.64</td> <td data-bbox="708 1279 849 1323">75.00</td> <td data-bbox="849 1279 1078 1323">Eastern and Northern Cape</td> <td data-bbox="1078 1279 1439 1323">LPG + Wind + Solar + Battery</td> </tr> <tr> <td data-bbox="280 1323 580 1368">Mulilo Total Coega</td> <td data-bbox="580 1323 708 1368">1,885.37</td> <td data-bbox="708 1323 849 1368">197.76</td> <td data-bbox="849 1323 1078 1368">Eastern Cape</td> <td data-bbox="1078 1323 1439 1368">Solar + Reciprocating Gas Engines</td> </tr> <tr> <td data-bbox="280 1368 580 1413">Scatec Kenhardt 3</td> <td data-bbox="580 1368 708 1413">1,884.56</td> <td data-bbox="708 1368 849 1413">50.00</td> <td data-bbox="849 1368 1078 1413">Northern Cape</td> <td data-bbox="1078 1368 1439 1413">Solar + Battery</td> </tr> <tr> <td data-bbox="280 1413 580 1458">Scatec Kenhardt 2</td> <td data-bbox="580 1413 708 1458">1,884.61</td> <td data-bbox="708 1413 849 1458">50.00</td> <td data-bbox="849 1413 1078 1458">Northern Cape</td> <td data-bbox="1078 1413 1439 1458">Solar + Battery</td> </tr> <tr> <td data-bbox="280 1458 580 1491">Scatec Kenhardt 1</td> <td data-bbox="580 1458 708 1491">1,884.64</td> <td data-bbox="708 1458 849 1491">50.00</td> <td data-bbox="849 1458 1078 1491">Northern Cape</td> <td data-bbox="1078 1458 1439 1491">Solar + Battery</td> </tr> </tbody> </table> <p>5. Procedure for gas leaks: The gas lines between the FSRU and the Powership are equipped with gas detectors in circuit which will identify any leak, so that the fuel gas can be immediately isolated and shut off, allowing the leak cause to be identified and the necessary repairs or replacements made. However, should there be a minor leakage of LNG, it will disperse quickly and rapidly rise into the atmosphere.</p>	Price Ranking					Name	Price	MW	Location	Technology Mix	ACWA Power Project DAO	1,462.00	150.00	Northern Cape	Diesel + Solar + Battery	Karpowership SA Coega	1,468.87	450.00	Eastern Cape	Floating, Modular Reciprocating Gas Engines	Karpowership SA Richards Bay	1,496.03	450.00	KZN	Floating, Modular Reciprocating Gas Engines	Mulilo Total Hydra Storage	1,515.97	75.00	Northern Cape	Diesel + Solar + Battery	Oya Energy Hybrid Facility	1,550.34	128.00	Western Cape	Diesel + Wind + Solar + Battery	Karpowership SA Saldanha	1,686.48	320.00	Western Cape	Floating, Modular Reciprocating Gas Engines	Umoyilanga Energy	1,721.64	75.00	Eastern and Northern Cape	LPG + Wind + Solar + Battery	Mulilo Total Coega	1,885.37	197.76	Eastern Cape	Solar + Reciprocating Gas Engines	Scatec Kenhardt 3	1,884.56	50.00	Northern Cape	Solar + Battery	Scatec Kenhardt 2	1,884.61	50.00	Northern Cape	Solar + Battery	Scatec Kenhardt 1	1,884.64	50.00	Northern Cape	Solar + Battery
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Mulilo Total Coega	1,885.37	197.76	Eastern Cape	Solar + Reciprocating Gas Engines																																																														
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Scatec Kenhardt 2	1,884.61	50.00	Northern Cape	Solar + Battery																																																														
Scatec Kenhardt 1	1,884.64	50.00	Northern Cape	Solar + Battery																																																														



An Environmental
Presentation from Triplo4



**PRE-CONSULTATION MEETING WITH
RICHARDS BAY CLEAN AIR ASSOCIATION**

**PROPOSED GAS TO POWER VIA POWERSHIP PROJECT
FOR PORT OF RICHARDS BAY**

Project of Karpowership SA (PTY) Ltd

03 NOVEMBER 2022

AUTHORITY REFERENCE:

14/12/16/3/3/2/2007

AGENDA

1. Introduction & Purpose
2. Background to Scoping & EIAR
3. Current Approach & Timelines
4. Specialist Studies
5. Discussions
 - Richards Bay Clean Air Association Comments
 - Other recommendations
6. Closure

INTRODUCTION

- Triplo4: Appointed EAP (Hantie Plomp & Chen Read)
- Richards Bay Clean Air Association EIA Committee: Sand Camminga (Director & Founder Member), Ismail Zaine, Lourens Britz, Webb Candice
- Air Quality Specialist (Mark Zunckel)
- Apologies

BACKGROUND TO SCOPING & EIAR

(S&EIR) process was conducted during 2020-2021:

- Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021.
- Final EIAR and EMPr were submitted to the DFFE on the 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021.
- 13 July 2021, KSA appealed the DFFE's refusal.

CURRENT POSITION

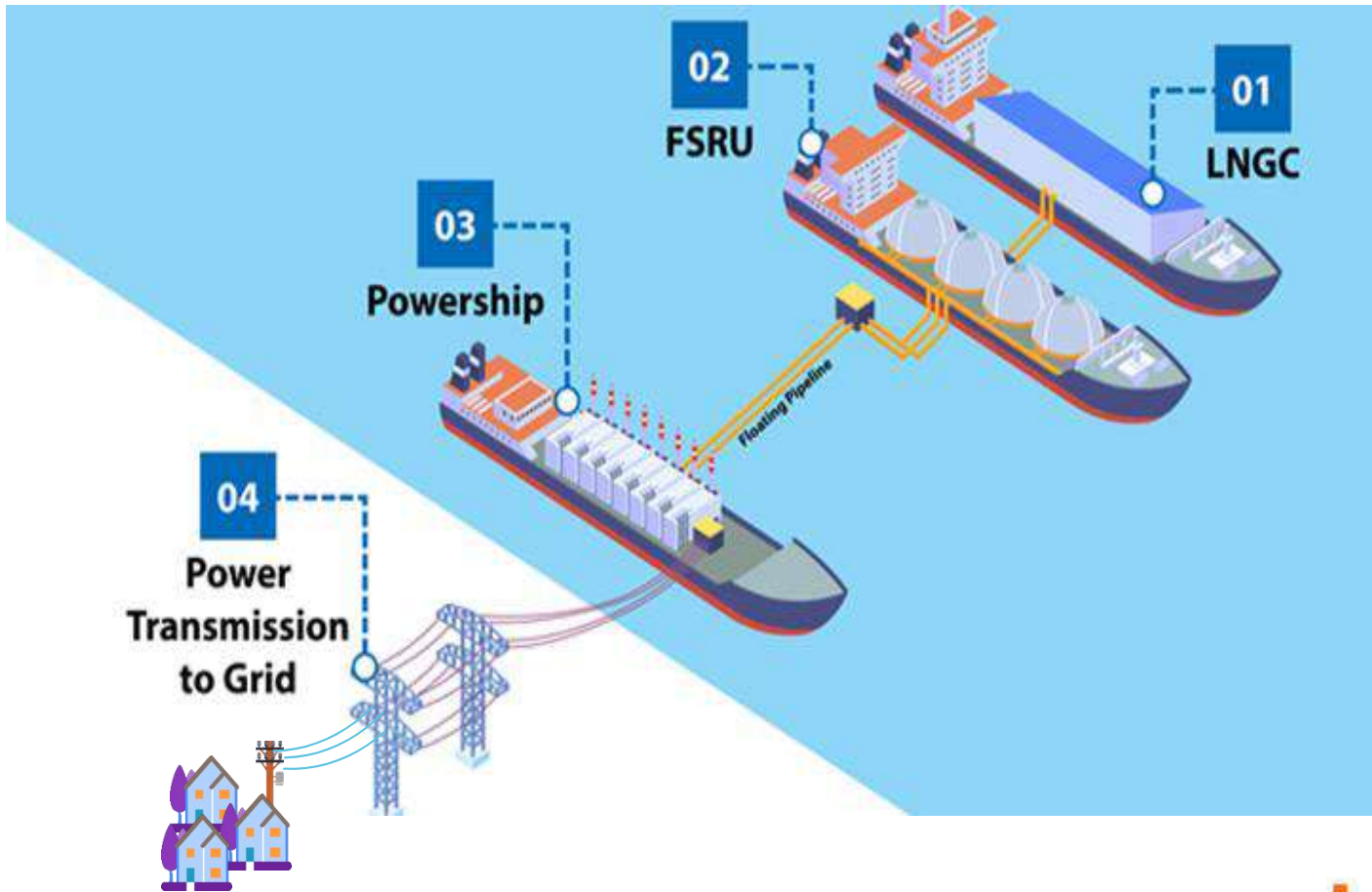
KSA appealed the DFFE refusal and on the 1st August 2022, the Minister DFFE, dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA to:

“remit the matter to the CA... so that the various gaps in information and procedural defects in relation to the PPP that led to the rejection of the EA application may be addressed during the reconsideration and re-adjudication of the EA application, provided that the timeframes prescribed by the 2014 EIA Regulations in respect of the EIA process are adhered to by the appellant and the CA”

PROJECT TIMELINES

- PPP Process:
 - Enhanced PPP
 - Public meetings in person, focus groups meetings, advertisements, radio announcements, multilingual notifications and translations at public meetings)
 - Draft EIAR: 10th Nov – 13th Dec 2022 (33 days comment period)
 - Final EIAR – due in January 2023

PROJECT CONCEPT



PROJECT LOCATION



SPECIALIST STUDIES

- Extensive Assessments via numerous Specialist Studies
 - Wetland Delineation and Functionality
 - Wetland Rehabilitation Plan
 - Terrestrial Ecology
 - Avifauna
 - Heritage & Palaeontology
 - Estuarine and Coastal
 - Marine Ecology & Fisheries
 - Climate Change
 - Project Sustainability
 - Geohydrology
 - Hydropedology
 - Hydrology (incl. 1:100 Year Floodline)
 - Aquatic
 - Major Hazard Installation Risk
 - Air Quality
 - Socio-Economic, Tourism, Small-Scale Fishers & Energy
 - Underwater & Terrestrial Noise
 - Visual Impact
 - Thermal Plume
 - Traffic (incl. Marine)
 - Water Balance

DISCUSSIONS

- Richards Bay Clean Air Association Comments
- Other Recommendations



Thank you

**REVISED MINUTES OF THE PRE-CONSULTATION MEETING WITH RICHARDS BAY CLEAN AIR ASSOCIATION
IN RESPECT OF PROPOSED GAS TO POWER VIA POWERSHIP PROJECT AT THE PORT OF RICHARDS BAY, KZN**

MEETING WAS HELD VIA ZOOM

ON 03 NOVEMBER 2022 AT 10:00am to 10:17am

Present	
Richards Bay Clean Air Association (RBCAA) - EIA Committee	Sandy Camminga (SC) - Chairperson of the EIA Committee & Board of Directors, Franz Schmidt (FS) - SHEQ Manager, Lourens Britz (LB) – Board of Directors - RBM, , Candice Webb (CW) – Member of the Board of Directors & Head of Environment - Mondi
Triplo4 Sustainable Solutions (Pty) Ltd	Hantie Plomp (HP), Melissa Gopaul (MG) & Chen Read (CR)
Air Quality Specialist	Mark Zunckel (MZ)
Apologies	
Zain Ismail (member of the RBCAA)	

ITEM	DESCRIPTION
	GREETINGS
1	INTRODUCTION AND PURPOSE OF THE MEETING
1.1	The meeting was requested by Triplo4 Sustainable Solutions (Pty) Ltd, the Environmental Practitioner (EAP) appointed by Karpowership SA (Pty) Ltd (KSA) in terms of Regulation 8 of the EIA Regulations, 2014 (as amended), in order to provide an overview of the Karpowership project to date (in terms of the Environmental Impact Assessment (EIA) process) and to initiate stakeholder engagement as part of the EIA. Triplo4 requested Richards Bay Clean Air Association (RBCAA), to advice on any comments or recommendations that they may have and should be considered in the EIA Report.
1.2	MG & CR presented during the meeting and thanked RBCAA team for availing themselves for the meeting and mentioned that their availability is appreciated. MG suggested that the meeting follows the structure of the agenda below: <ul style="list-style-type: none"> 1. Introduction & Purpose; 2. Background to Scoping & EIAR; 3. Current Approach & Timelines; 4. Specialist Studies;

ITEM	DESCRIPTION
	<p>5. Discussions</p> <p>RBCAA comments and recommendations</p> <p>6. Closure</p>
1.3	MG introduced the EAPs for the project (Triplo4) and requested that the RBCAA team introduce themselves.
1.4	SC introduced herself as a Chairperson of the EIA Committee & Board of Directors. Franz Schmidt introduced himself as the SHEQ Manager. Candice Webb introduced herself as a member of the Board of Directors for RBCAA & Head of Environmental Department – Mondi. Lourens Britz introduced himself as a member of the RBCAA Board of Directors and currently with RBM.
1.4.1	Lastly, Mark Zunckel introduced himself as an Air Quality Specialist for the EIA process.
1.5	MG provided an introduction to the meeting and stated that the main objective/purpose of the meeting was to provide an overview of the project and to initiate the engagement with the RBCAA and a key stakeholder throughout the EIA process, and to have a consultative approach throughout the Public Participation Process (PPP).
1.6	The meeting was held prior to the submission of the Draft Environmental Impact Assessment Report (EIAR) for public comment. The draft report is scheduled for the public commenting during the period 10th Nov – 13th Dec 2022.
2.	BACKGROUND TO SCOPING & ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR)
2.1	<p>MG provided the following background: (S&EIR) process was conducted during 2020-2021:</p> <ul style="list-style-type: none"> ▪ Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021. ▪ Final EIAR and EMPr were submitted to the DFFE on the 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021. ▪ 13 July 2021, KSA appealed the DFFE’s refusal.
3.	CURRENT POSITION
3.1	<p>MG mentioned that following the abovementioned process in the background, KSA appealed the DFFE refusal and on the 1st August 2022, the Minister DFFE, dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA to:</p> <p><i>“remit the matter to the CA... so that the various gaps in information and procedural defects in relation to the PPP that led to the rejection of the EA application may be addressed during the reconsideration and re-adjudication of the EA application, provided that the timeframes prescribed by the 2014 EIA Regulations in respect of the EIA process are adhered to by the appellant and the CA”</i></p>

ITEM	DESCRIPTION
4	PROJECT TIMELINES IN RELATION TO THE PUBLIC PARTICIPATION PROCESS
4.1	<p>MG highlighted that the following will be undertaken during the during the EIA process:</p> <ul style="list-style-type: none"> • An enhanced Public Participation Process will be undertaken; • Public meetings in person and virtual; • Focus groups meetings; • Advertisements; • Radio announcements; • Multilingual notifications and; • Translations at public meetings <p>MG further mentioned that the Draft EIAR will be available from the 10th November – 13th December 2022 for 33 days comment period with the Final EIAR due in January 2023.</p>
4.2	<p>MG handed over to CR, who provided an overview on the project concept and the locality of the project in Richards Bay.</p>
4.3	<p>CR highlighted that vessels will be moored at the port of Richards Bay, stating that these vessels includes Liquid Natural Gas Carrier (LNGC) that will come every 20-30 days to deliver the LNG to the FSRU that will be permanently moored at the port and convert the LNG to natural gas which will then be transferred to the Powerships by subsea gas pipelines.</p>
4.4	<p>CR highlighted that two types of Powerships will be moored in Richards Bay as part of the proposed project namely, the Khan Powership and Shark Powership. CR further mentioned the proposed transmission line routes from the Powerships to the proposed switching station.</p>
4.5	<p>CR further discussed the proposed location of temporary construction facilities to be used during the construction phase which will include stringing yards, material laydown and site camp office as well as the access route to these facilities.</p>
5	SPECIALIST STUDIES
5.1	<p>MG highlighted that the following extensive specialist assessments will be included in the draft EIA Report for comments by stakeholders and Interested and Affected Parties (I&APs):</p> <ul style="list-style-type: none"> • Wetland Delineation and Functionality • Wetland Rehabilitation Plan • Terrestrial Ecology • Avifauna • Heritage & Palaeontology • Estuarine and Coastal • Marine Ecology & Fisheries • Climate Change

ITEM	DESCRIPTION
	<ul style="list-style-type: none"> • Project Sustainability • Geohydrology • Hydroopedology • Hydrology (incl. 1:100 Year Floodline) • Aquatic • Major Hazard Installation Risk • Air Quality • Socio-Economic, Tourism, Small-Scale Fishers & Energy • Underwater & Terrestrial Noise • Visual Impact • Thermal Plume • Traffic (incl. Marine) • Water Balance
5.2	<p>MG highlighted that in terms of the discussions, the EAPs would like to take the opportunity for an open engagement with RBCAA as part of the EIA process, and should any aspect be raised, the EAPs are open to engagement and taking comments and recommendations into consideration.</p>
5.3	<p>MG opened the floor for questions and any comments that the RBCAA may have regarding the project and the content presented during the meeting.</p>
5.4	<p>SC stated that the RBCAA had submitted extensive comments on the previous application and questioned how the stakeholder will be able to identify changes in the new documents once available. SC further made an example asking if the Air Quality Study Report has extensive changes, how I&APs/Stakeholders will be able to identify any additions/changes.</p>
5.5	<p>HP further clarified that based on the engagements with the Department, it was decided that the old EIA report is archived. The current EIA process will have a new EIA Report that in totality will replace the old EIA Report, to ensure that all of the aspects raised by the minister are adequately addressed. HP further stated that during the public participation meetings, the EAPs will highlight any aspects with substantive changes that has been made.</p>
5.6	<p>SC highlighted that the brief explanation provided by HP is understood and appreciated.</p>
5.7	<p>MG followed up if there are any additional questions or comments from the RBCAA members. MG reiterated that the purpose of the meeting was to provide an overview and approach to the current phase that will be undertaken and to invite RBCAA to engage with the EAPs on any comments throughout the EIA process, to create an open communication with the RBCAA.</p>

ITEM	DESCRIPTION
5.8	SC stated that the RBCAA will need to wait until the draft EIA Report is distributed for them to review and initiate any engagements that may be deemed as necessary after the review of the documents.
5.9	SC questioned if the EAPs are opened to one-on-one sessions or meetings with stakeholders outside of the scheduled public meetings, should RBCAA require a meeting, and she noted that the public meetings are scheduled for 23 November 2022.
5.10	HP highlighted that the EAPs are open to another meeting or discussion should clarity be required before or after the public meetings, as the RBCAA is recognized as a key stakeholder within the area and the EAPs would like to engage with RBCAA as much as they require.
5.11	SC thanked HP for being open to any subsequent engagements and noted that RBCAA has data available and that MZ and his team may engage with RBCAA should additional information be required.
6	OTHER
6.1	MG questioned if there are any questions outstanding and highlighted that the EAPs would appreciate to have future engagements once the Draft EIR is out. SC highlighted that they really appreciate the opportunity given to them to have engagements with the EAPs on the project.
6.2	SC questioned when the Draft EIR will be available for public comment.
6.3	MG stated that the documentation will be available from the 10 th of November 2022 to 13 th December 2022 and that RBCAA and that the required notification and relevant documents will be made available.
7	CLOSURE
7.1	MG thanked everyone who was present in the meeting and thanked them for the time taken to attend the meeting.
7.2	The meeting was adjourned.



An Environmental
Presentation from Triplo4



PRE-CONSULTATION MEETING WITH RICHARDS BAY INDUSTRIAL DEVELOPMENT ZONE (RBIDZ)

**PROPOSED GAS TO POWER VIA POWERSHIP PROJECT
FOR PORT OF RICHARDS BAY
Project of Karpowership SA (PTY) Ltd**

07 NOVEMBER 2022

**AUTHORITY REFERENCE:
14/12/16/3/3/2/2007**

AGENDA

1. Introduction & Purpose
2. Background to Scoping & EIAR
3. Current Approach & Timelines
4. Specialist Studies
5. Discussions
 - Richards Bay Industrial Development Zone (RBIDZ) Comments
 - Other recommendations
6. Closure

INTRODUCTION

- Triplo4: Appointed EAP (Hantie Plomp & Chen Read)
- Richards Bay Industrial Development Zone (RBIDZ) – Percy Langa, Keith Harvey and Letitia Moodley
- Apologies

BACKGROUND TO SCOPING & EIAR

(S&EIR) process was conducted during 2020-2021:

- Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021.
- Final EIAR and EMPr were submitted to the DFFE on the 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021.
- 13 July 2021, KSA appealed the DFFE's refusal.

CURRENT POSITION

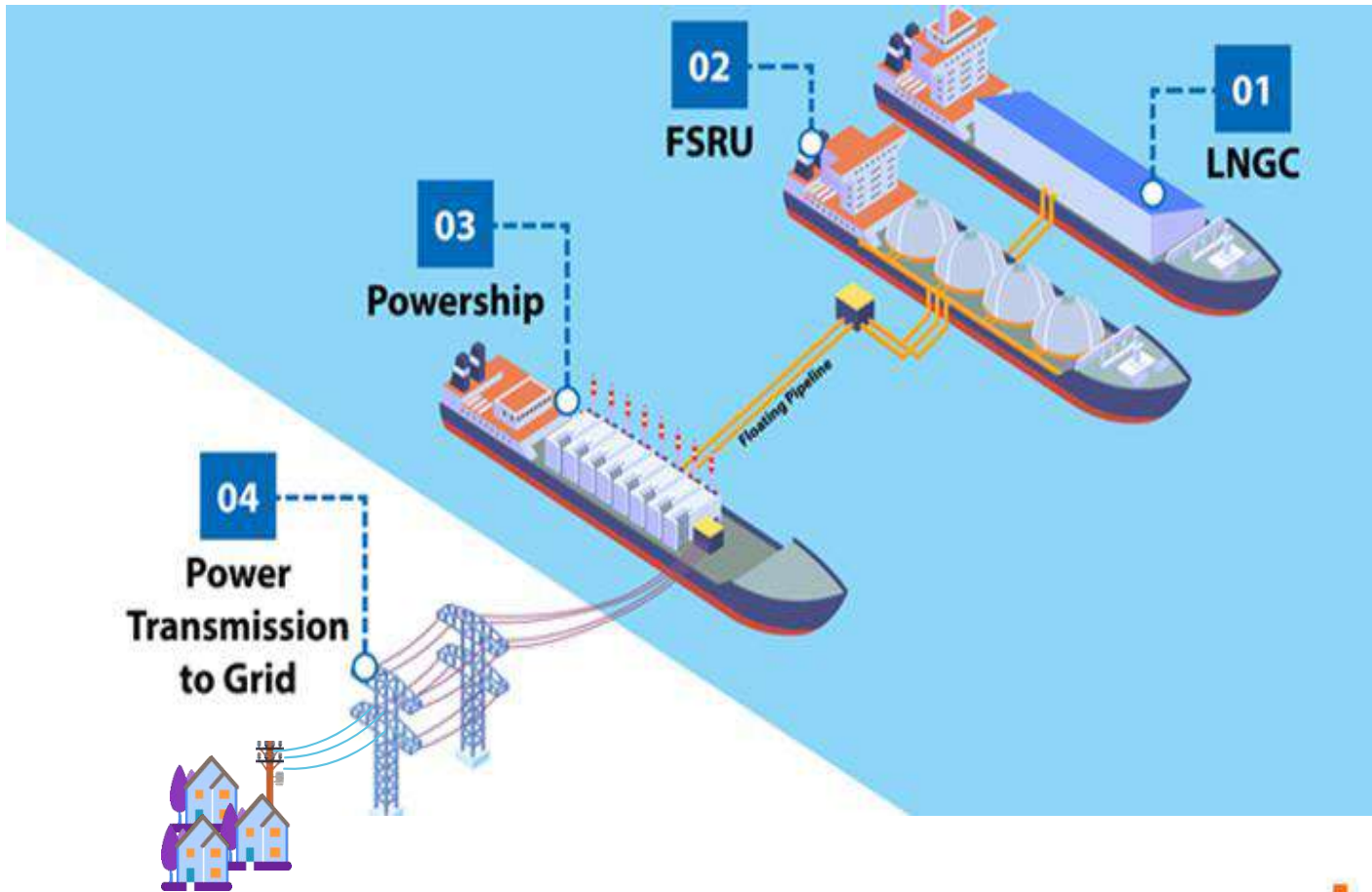
KSA appealed the DFFE refusal and on the 1st August 2022, the Minister DFFE, dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA to:

“remit the matter to the CA... so that the various gaps in information and procedural defects in relation to the PPP that led to the rejection of the EA application may be addressed during the reconsideration and re-adjudication of the EA application, provided that the timeframes prescribed by the 2014 EIA Regulations in respect of the EIA process are adhered to by the appellant and the CA”

PROJECT TIMELINES

- PPP Process:
 - Enhanced PPP
 - Public meetings in person, focus groups meetings, advertisements, radio announcements, multilingual notifications and translations at public meetings)
 - Draft EIAR: 10th Nov – 13th Dec 2022 (33 days comment period)
 - Final EIAR – due in January 2023

PROJECT CONCEPT



PROJECT LOCATION



SPECIALIST STUDIES

- Extensive Assessments via numerous Specialist Studies
 - Wetland Delineation and Functionality
 - Wetland Rehabilitation Plan
 - Terrestrial Ecology
 - Avifauna
 - Heritage & Palaeontology
 - Estuarine and Coastal
 - Marine Ecology & Fisheries
 - Climate Change
 - Project Sustainability
 - Geohydrology
 - Hydropedology
 - Hydrology (incl. 1:100 Year Floodline)
 - Aquatic
 - Major Hazard Installation Risk
 - Air Quality
 - Socio-Economic, Tourism, Small-Scale Fishers & Energy
 - Underwater & Terrestrial Noise
 - Visual Impact
 - Thermal Plume
 - Traffic (incl. Marine)
 - Water Balance

DISCUSSIONS

- Richards Bay Industrial Development Zone (RBIDZ) Comments
- Other Recommendations



Thank you

MINUTES OF THE PRE-CONSULTATION MEETING WITH RICHARDS BAY INDUSTRIAL DEVELOPMENT ZONE – EIA TEAM IN RESPECT OF PROPOSED GAS TO POWER VIA POWERSHIP PROJECT FOR PORT OF RICHARDS BAY

MEETING WAS HELD VIA MICROSOFT TEAMS (MS TEAMS)

ON 07 NOVEMBER 2022 AT 15:00pm to 15:25pm

Present	
Richards Bay Industrial Development Zone (RBIDZ)	Percy Langa (PL) - Keith Harvey (KH) & Letitia Moodley (LM)
Triplo4 Sustainable Solutions (Pty) Ltd	Hantie Plomp (HP), Chen Read (CR) and Mthabiseni Qwabe (MQ)
Apologies	
None.	

ITEM	DESCRIPTION
	GREETINGS
1	INTRODUCTION AND PURPOSE OF THE MEETING
1.1	The meeting was requested by Triplo4 Sustainable Solutions (Pty) Ltd, the Environmental Practitioner (EAP) appointed by Karpowership SA (Pty) Ltd (KSA) in terms of Regulation 8 of the EIA Regulations, 2014 (as amended) to provide an overview of the Karpowership project to date (in terms of the Environmental Impact Assessment (EIA) process) and to initiate stakeholder engagement as part of the EIA. Triplo4 requested assistance from Richards Bay Industrial Development Zone (RBIDZ), to advise on similar projects or authorisations that should be considered in the EIA report (for cumulative impacts), as well as indication on any requirements or recommendations from the RBIDZ.
1.2	<p>CR chaired the meeting and provided an overview of the meeting and suggested that the meeting follows the structure of the agenda that was circulated which was then followed by the introduction.</p> <p>The following Agenda for the meeting was used:</p> <ol style="list-style-type: none"> 1. Introduction & Purpose; 2. Background to Scoping & EIAR; 3. Current Approach & Timelines; 4. Specialist Studies; 5. Discussions

ITEM	DESCRIPTION
	<ul style="list-style-type: none"> - Assistance of Richards Bay Industrial Development Zone; - Similar Projects or Authorisations; - Richards Bay Industrial Development Zone Requirements and; - Other Comments & Recommendations <p>Closure</p>
1.3	<p>CR introduced the EAPs for the project (Triplo4) and requested that the RBIDZ team introduce themselves. PL introduced himself as responsible for Safety, Health, Environment & Quality at the RBIDZ, KV introduced himself as RBIDZ Legal Manager, and LM introduced herself as Sector Researcher.</p>
1.4	<p>CR provided an introduction to the meeting and stated that the main objective/purpose of the meeting was to provide an overview of the project and to initiate the engagement with the RBIDZ as a key stakeholder throughout the EIA process, and to have a consultative approach throughout the Public Participation Process (PPP).</p>
1.5	<p>The meeting was held prior to the submission of the Draft Environmental Impact Assessment Report (EIAR) for public comment. The draft report is scheduled for the public commenting during the period 10th Nov – 13th Dec 2022.</p>
2.	<p>BACKGROUND TO SCOPING & ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR)</p>
2.1	<p>CR provided the following background: (S&EIR) process was conducted during 2020-2021:</p> <ul style="list-style-type: none"> ▪ Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021. ▪ Final EIAR and EMPr were submitted to the DFFE on the 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021. ▪ 13 July 2021, KSA appealed the DFFE's refusal.
3.	<p>CURRENT POSITION</p>
3.1	<p>CR mentioned that following the abovementioned process in the background, KSA appealed the DFFE refusal and on the 1st August 2022, the Minister DFFE, dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA to:</p> <p><i>“remit the matter to the CA... so that the various gaps in information and procedural defects in relation to the PPP that led to the rejection of the EA application may be addressed during the reconsideration and re-adjudication of the EA application, provided that the timeframes prescribed by the 2014 EIA Regulations in respect of the EIA process are adhered to by the appellant and the CA”</i></p>
4	<p>PROJECT TIMELINES IN RELATION TO THE PUBLIC PARTICIPATION PROCESS</p>

ITEM	DESCRIPTION
4.1	<p>CR highlighted that the following will be undertaken during the during the EIA process:</p> <ul style="list-style-type: none"> • An enhanced Public Participation Process will be undertaken; • Public meetings in person and virtual; • Focus groups meetings; • Advertisements; • Radio announcements; • Multilingual notifications and; • Translations at public meetings <p>CR further mentioned that the Draft EIAR will be available from the 10th November – 13th December 2022 for 33 days comment period with the Final EIAR due in January 2023.</p>
5	PROJECT CONCEPT AND LOCALITY
5.1	CR provided an overview on the project concept and the locality of the project in Richards Bay.
5.2	CR highlighted that vessels will be moored at the port of Richards Bay, stating that these vessels includes Liquid Natural Gas Carrier (LNGC) that will come every 20-30 days to deliver the LNG to the FSRU that will be permanently moored at the port and convert the LNG to natural gas which will then be transferred to the Powerships by subsea gas pipelines.
5.3	CR highlighted that two types of Powerships will be moored in Richards Bay as part of the proposed project namely, the Khan Powership and Shark Powership. CR further mentioned the proposed transmission line routes from the Powerships to the proposed switching station.
5.4	CR further discussed the proposed location of temporary construction facilities to be used during the construction phase which will include stringing yards, material laydown and site camp office as well as the access route to these facilities.
6	SPECIALIST STUDIES
6.1	<p>CR highlighted that the following extensive specialist assessments will be included in the draft EIA Report for comments by stakeholders and Interested and Affected Parties (I&APs):</p> <ul style="list-style-type: none"> • Wetland Delineation and Functionality • Wetland Rehabilitation Plan • Terrestrial Ecology • Avifauna • Heritage & Palaeontology • Estuarine and Coastal • Marine Ecology & Fisheries • Climate Change • Project Sustainability

ITEM	DESCRIPTION
	<ul style="list-style-type: none"> • Geohydrology • Hydrogeology • Hydrology (incl. 1:100 Year Floodline) • Aquatic • Major Hazard Installation Risk • Air Quality • Socio-Economic, Tourism, Small-Scale Fishers & Energy • Underwater & Terrestrial Noise • Visual Impact • Thermal Plume • Traffic (incl. Marine) • Water Balance
6.2	<p>CR highlighted that in terms of the discussions, the EAPs would like to take the opportunity for an open engagement with RBIDZ as part of the EIA process, and should any aspect be raised, the EAPs are open to engagement and taking comments and recommendations into consideration.</p>
6.3	<p>CR opened the floor for questions and any comments that the RBIDZ may have regarding the project and the content presented during the meeting.</p>
6.4	<p>PL requested that the slide covering the conceptual aspect of the project be re-shared and queried if the proposed pipeline will be a floating pipeline or subsea pipeline. CR replied and stated that the proposed pipeline will be a subsea pipeline and will be running underwater/floor of the sea.</p>
6.5	<p>PL further queried on the slide with specialist studies and stated that the common occurrence in all the EIAs is the issue of cumulative impacts and queried if the specialist studies' approach will be cumulative assessment or if there is a cumulative report that will try and cover everything.</p>
6.6	<p>CR replied by stating that cumulative impacts are assessed and considered and each specialist has considered the above in their respective fields taking into consideration other EIA within the area. CR further stated that the cumulative impact assessment is part of the EIA report and will be clearly stated in the impact assessment chapter of the report.</p>
6.7	<p>PL highlighted that the explanation provided by CR was understood and added that there are other existing project within the area of similar kind to the proposed project.</p>
6.8	<p>CR afforded KH an opportunity to have an input and provided any recommendations or questions that he may have.</p>
6.9	<p>KH highlighted that there are only four gas to power projects that he is aware of within the area. CR highlighted that said that the list of the 4 similar proposed projects that are being considered for the cumulative impacts will be shared with the RBIDZ.</p>

ITEM	DESCRIPTION
6.10	As a word of caution, KH highlighted that the biggest issue that the EAPs may face is from the side of the environmental lobby within the Richards Bay which may say “Do not use diesel, use it as a back-up” or “Use Diesel, don’t use gas”; however KH would prefer or support gas project as compared to diesel oriented project.
6.11	KH queried if SOUTH32 as a landowner or municipality has given the consent for the location of the substation. In addition, KH highlighted that down the bayside where the substation is proposed, there is a public excess/ public right of way servitude which is between the building and the fence.
6.12	HP stated that according to her knowledge, significant engagements have undertaken with Eskom as well the requirements in terms of South32. HP further clarified that no connection will be established to South32 as it was initially planned however a substation will be connected directly to the eskom power line and minor changes were undertaken on the ground as a result of servitudes and such changes have been communicated between the municipality, South32 and land use team.
6.13	CR highlighted that the land use team had communicated with Transnet and the municipality as landowners, and it is noted that there is a slight encroachment of the proposed switching station footprint onto the South32 property, and therefore they are included as landowners.
7	OTHER
7.1	CR queried if there was anything that the RBIDZ team would like to add or if there is a question.
7.2	PL highlighted that everything that he had wanted to ask was covered, however queried on the dates and times for the meeting.
7.3	CR highlighted that the two public meetings will be held on the 23 rd November 2022, one meeting being the face-to-face meeting and one being the virtual meeting.
8	CLOSURE
8.1	CR thanked everyone who was present in the meeting and thanked them for the time taken to attend the meeting and stated that the minutes of the meeting will be shared as well as the list of similar projects that are considered in the cumulative impacts in the EIA report.
8.2	The meeting was adjourned.

**MINUTES OF THE PRE-CONSULTATION MEETING WITH THE DEPARTMENT OF FORESTRY,
FISHERIES AND THE ENVIRONMENT (SUSTAINABLE AQUACULTURE MANAGEMENT)**

**PROPOSED GAS TO POWER VIA POWERSHIP PROJECT AT THE PORT OF SALDANHA BAY AND
ASSOCIATED EVACUATION ROUTE WITHIN SALDANHA BAY LOCAL MUNICIPALITY**

THE MEETING WAS HELD VIA MICROSOFT TEAMS (MS TEAMS)

ON 1ST NOVEMBER 2022 AT 10:00am to 12:00am

Present	
DFFE	Fatima Daya (FD) – Directorate Sustainable Aquaculture Management - Aquatic Animal Health and Environmental Interactions, Andrea Bernatzeder – Director Aquaculture Research (AB), Michelle Pretorius – Fisheries & Commenting on EIAs Section (MP), Kishan Sankar Aquaculture Operation Phakhisa Delivery Unit (KS), Mayizole Majangaza – Food Safety Aquaculture (MM), Belemane Simoli (BS)
Karpowership SA (Pty) Ltd	Curtis Meintjies (CM) – Environmental, Kurt Morais (KM) - Corporate Relations Manager
Triplo4 Sustainable Solutions	Hantie Plomp (HP), Melissa Gopaul (MG), Zayd Hoosen (ZH), Vandana Singh (VS)
Invitees	

ITEM	DESCRIPTION
1	INTRODUCTION AND PURPOSE OF THE MEETING
1.1	The meeting was requested by Triplo4 Sustainable Solutions (Pty) Ltd, the Environmental Practitioner (EAP) appointed by Karpowership SA (Pty) Ltd (KSA) in terms of Regulation 8 of the EIA Regulations, 2014 (as amended) to provide an overview of the Karpowership project to date (in terms of the Environmental Impact Assessment (EIA) process) and to initiate stakeholder engagement as part of the current EIA process as DFFE is seen as a key stakeholder in the EIA. Introductions between Triplo4, Karpowership and Saldanha Bay Municipality were made.
1.2	As per the presentation shared via Microsoft teams, the following Agenda was proposed: <ul style="list-style-type: none"> ▪ Introduction & Purpose; ▪ Background to Scoping & EIAR; ▪ Current Approach & Timelines; ▪ Specialist Studies; ▪ Discussions ▪ Closure
2.	BACKGROUND TO SCOPING & ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR)
2.1	MG provided the following background: (S&EIR) process was conducted during 2020-2021: <ul style="list-style-type: none"> ▪ Scoping Report, including the PoS and approved PP Plan for the EIA, was accepted by the DFFE on 06 January 2021. ▪ Final EIAR and EMPr were submitted to the DFFE on 26 April 2021. The DFFE refused the EA application and provided KSA with the Record of Refusal (RoR) on 23 June 2021. ▪ 13 July 2021, KSA appealed the DFFE's refusal.

ITEM	DESCRIPTION																						
3.	CURRENT POSITION																						
3.1	MG mentioned that following the abovementioned process in the background, KSA appealed the DFFE refusal and on 1 August 2022, the DFFE Minister dismissed the appeal but in doing so exercised her powers in terms of Section 43(6) of NEMA. MG further highlighted that the application is currently in the EIA process and the previous EIA has been archived.																						
4	PROJECT TIMELINES IN RELATION TO THE PUBLIC PARTICIPATION PROCESS																						
4.1	<p>MG highlighted that the following will be undertaken during the EIA process:</p> <ul style="list-style-type: none"> ▪ An enhanced Public Participation Process will be undertaken; ▪ Public meetings in person and virtual; ▪ Focus groups meetings; ▪ Advertisements; ▪ Radio announcements; ▪ Multilingual notifications and; ▪ Translations at public meetings <p>MG further mentioned that the Draft EIAR will be available from 10 November – 13 December 2022 for 33 days comment period with the Final EIAR – due in January 2023.</p>																						
5	SPECIALIST STUDIES																						
5.1	<p>MG highlighted that the following extensive specialist assessments will be included in the draft for comments by various I&APs:</p> <table border="1"> <tbody> <tr> <td>Wetland Delineation and Functionality</td> <td>Hydropedology</td> </tr> <tr> <td>Wetland Rehabilitation Plan</td> <td>Hydrology (incl. 1:100 Year Floodline)</td> </tr> <tr> <td>Terrestrial Ecology</td> <td>Aquatic</td> </tr> <tr> <td>Avifauna</td> <td>Major Hazard Installation Risk</td> </tr> <tr> <td>Heritage & Palaeontology</td> <td>Air Quality</td> </tr> <tr> <td>Underwater Heritage</td> <td>Socio-Economic, Tourism, Small-Scale Fishers & Energy</td> </tr> <tr> <td>Estuarine and Coastal</td> <td>Underwater & Terrestrial Noise</td> </tr> <tr> <td>Marine Ecology & Fisheries</td> <td>Visual Impact</td> </tr> <tr> <td>Climate Change</td> <td>Thermal Plume</td> </tr> <tr> <td>Project Sustainability</td> <td>Traffic (incl. Marine)</td> </tr> <tr> <td>Geohydrology</td> <td>Water Balance</td> </tr> </tbody> </table> <p>In addition, technical studies will be made available.</p>	Wetland Delineation and Functionality	Hydropedology	Wetland Rehabilitation Plan	Hydrology (incl. 1:100 Year Floodline)	Terrestrial Ecology	Aquatic	Avifauna	Major Hazard Installation Risk	Heritage & Palaeontology	Air Quality	Underwater Heritage	Socio-Economic, Tourism, Small-Scale Fishers & Energy	Estuarine and Coastal	Underwater & Terrestrial Noise	Marine Ecology & Fisheries	Visual Impact	Climate Change	Thermal Plume	Project Sustainability	Traffic (incl. Marine)	Geohydrology	Water Balance
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6	PROJECT OVERVIEW																						
	MG and HP provided an overview of the project description in relation to the google images provided in the presentation.																						
7	DISCUSSIONS																						
	<p>AB queried if the scope of assessment was for more than one site. MG confirmed it was in Saldanha Bay, Port of Ngqura and Port of Richards Bay, this presentation was only for Saldanha Bay. AB queried if Triplo4 was doing the work for all three ports to which MG confirmed that Triplo4 was the appointed EAP for all three projects. AB queried if the public comment period was going to be for all three ports. MG Confirmed, it would be from the 10th to the 13th of November 2022.</p> <p>AB requested that the detail on the map be presented again as it was unclear how the elements were connected. MG and HP presented the details on the map and together with KM clarified the process and technology. AB queried where the gas will be sourced from. HP confirms it would be sourced outside of South Africa and would be of high quality i.e. gas that is not resourced from</p>																						

ITEM	DESCRIPTION
	<p>fracking.</p> <p>FD queried if there would be any hydrocarbon pollution? HP confirmed there would be no petroleum on the ship. No potential fuel spillage. FD had concerns about food safety and water quality and thanked HP for confirmation. HP confirmed the issues raised now would be clarified in the report and addressed FD concerns. FD confirmed that they had received the Port of Ngqura email and were registered, the comments would be similar for all three projects. HP confirmed the projects were similar and the principles were the same.</p> <p>Belamani Hinn queried insurance and liability on impacts on the current fisheries industries. HP confirmed that extensive specialist studies had been conducted, mitigations measures and management of potential impacts during the construction and the operation, specialists recommended monitoring. KM confirmed that the FSRU discharges contained zero additives. Use sea water with no additional additives, regarding insurance within South African law the polluter pays principle applies, but there were no additives what so ever.</p> <p>AB queried the potential liability and insurance measures the company would undertake during construction and impacts that may arise medium to long term, especially in Saldanha Bay due to existing activities. It was acknowledged that the situation could be different for Richards Bay and Coega. HP elaborated on the extent of specialist studies conducted inclusive of the marine ecology, coastal and avifauna studies by Anchor Environmental with integration and a polycentric approach. Detailed noise baseline (soundscape) studies were done in Saldanha Bay as well as Ghana from an operational ship and these measurements were then modelled to the Saldanha environment. The results showed that the noise levels (terrestrial and underwater) were lower than initially estimated. Monitoring was also recommended and there have been engagements with the SBWQTF and the client intended becoming a member. CM confirmed that the ships would not discharge any additives or biocides and the Powerships operate in many countries and have established positive relationships with the fishing communities. No pollution impacts have been foreseen by Karpowership based on assessments. It was highlighted that water temperature and water qualities will be important aspects to consider and may pose complexities.</p> <p>MP queried whether the polygons presented exclusion zones and whether it would neutralise spaces and impact on existing operators that would have to travel greater distances to service lines at greater costs. . HP clarified that the only exclusion area was the small circle around the FSRU, which was similar to the exclusion zone for Sunrise, for safety reasons. CM expressed that the vessel positions were established by the Port Authorities that also considered the existing infrastructure and marine traffic. KM confirmed that TNPA had been specifically engaged with regarding the placement of the vessels in terms of TNPA requirements.</p> <p>MP and AB expressed concerns with the commenting period given the extent of Specialist studies conducted and the requirement to comment on three projects, especially with the end of year being a busy time. HP explained the legislative requirements related to the project as advised by DFFE EIA Directorate provides for the timelines and the PPP and EIA must be completed within the overall timeline allowed. It was mentioned that the projects were similar and for the most part the same Specialists conducted the studies for all three ports, which may assist with review. Triplo4 expressed willingness to have another meeting to discuss aquaculture specific concerns. HP also highlighted that a number of Specialist studies dealt with terrestrial aspects and therefore a number of studies may not require assessment from the aquaculture perspective.</p> <p>AB queried the impacts on the aquaculture. KM confirmed that as part of the process of placement of the vessels, they have to engage with the surrounding businesses and future neighbours.</p> <p>MG explained the evacuation options to link into the Aurora Substation. HP explained that a 132k line would be constructed to a switching station and from the switching station the powerline would be incorporated into Eskom's infrastructure.</p>

ITEM	DESCRIPTION
	<p>MG explained the noise results in relation to the aquaculture zone, being 400m outside the impact zone and no significant impacts of noise were anticipated with the results being reduced to medium with mitigation as per the marine ecologist.</p> <p>MP queried whether the aspect related to temperature increase had been established. MG explained that the aquaculture development was situated outside the temperature impact areas. AB queried the discharge cooling water. HP confirmed it would take place at the power ship next to the quay, discharged at the depth of eight meters for Saldanha Bay. The temperature and mixing zone had been assessed by the marine ecologists. AB queried what the cooling water entailed. HP confirmed that sea water (no additives) was abstracted and heat generated from the gas powered process was cooled down and discharged back into the sea. AB queried the specialists model was on heat gain and loss? HP confirmed that the specialist PRDW had modelled this aspect and the marine ecologists interpreted the modelled results. KS queried if the heat plume has been modelled. HP confirmed it has been modelled and the information would be included in the report. The mitigation from modelling entailed discharge at 8m.</p> <p>AB suggested to have more slides explaining the process and activities in order to understand the potential risks. The aquaculture unit would review the relevant specialist reports to identify if direct and indirect matters e.g. food sources had been considered. HP highlighted that chapter 2 would expand on the different activities associated with the project and that a polycentric approach had been applied to the assessment by all specialists.</p> <p>HP queried whether information could be shared regarding Coega and Richards Bay.</p> <p>MG and HP shared the proposed projects at Port of Nqgura and Richards Bay.</p> <p>MP stated Coega Aquaculture was not planned in the area where the Karpowership project is proposed and in Richards Bay there is not currently an existing industry. Coega have 1 operator in the Coega harbour. MG shared the proposed Richards Bay and Port of Nqgura project details. CM confirmed that the marine ecologies and the fisheries study had picked up on the potential aquaculture zone outside the Port of Coega development zone that the authorisation was under appeal. MP stated that the appeals had been dismissed and the project would be implemented within the area. MP suggested the coordinates for Coega ADZ to be shared.</p> <p>MP queried whether the project sites were alternatives to each other or do they have site alternatives. HP explained the site alternatives were considered within each Province and that each stand-alone project considered its own site alternatives. The projects were not site alternative to each other.</p> <p>MP requested whether other alternative energies had been considered and addressed. HP stated that as per the approved Scoping and PoS, the project, as per the RMI4P was specifically a gas to power project and no technologies other than the gas to power Powership had assessed.</p> <p>BS queried the current base load. HP confirmed it was addressed in the Economists report. This project was in accordance with the RMI4P comprising a mix of energies.</p> <p>AB queried who assesses the bids on a strategic level? HP confirmed that it was according to the national development programme 2030 and the IRP 2019 programs. The DMRE was very closely involved with the IPPs and it was understood that the energy crisis was being monitored and administered by a Ministerial Commission.</p> <p>AB queried the closing date for PPP. HP confirmed the 13th December 2022, and highlighted the PPP exclusion period from 15th December 2022 to the 5th January 2023.</p>

ITEM	DESCRIPTION
	<p>KS queried how the process of the EIA was being navigated considering the SEA being planned for the Richards Bay. HP confirmed it was an integrative process where all existing documentation and authorizations had been considered and authorities had been engaged. It is also understood that the strategic nature, SIP status, planning and environmental considerations as well as the need and desirability were all relevant factors requiring integration. HP asked that any environmental authorisations that may have an impacts be shared with Triplo4.</p> <p>BH queried if Triplo4 communicated with DFFE Fisheries. HP confirmed that there had been engagements regarding the project. BH suggested Abongile (Chief director) and Sebonelo were contacted.</p>
8	CLOSURE
8.1	<p>With no further comments, MG and HP thanked everyone for their time and extended an invitation to the attendees to reach out directly to Triplo4 and set up a meeting, if required, to address any further queries.</p> <p>The meeting was adjourned at 11h50 am.</p>