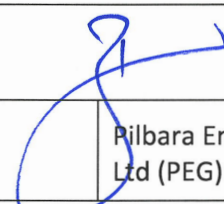




Environmental Protection Authority

EPA Referral Form

Form for the referral of a proposal to the Environmental Protection Authority under Section 38 of the *Environmental Protection Act 1986*

Referrer information				
Who is referring this proposal?		<input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Decision-making authority <input type="checkbox"/> Community member/third party		
Name (print) Brett McGuire		Signature 		
Position	Group Manager - Environment	Organisation	Pilbara Energy (Generation) Pty Ltd (PEG)	
Email	bmcguire@fmgl.com.au			
Address	Level 2, 87	Adelaide Terrace		
	East Perth		WA	6004
Date	22 MAY 2020			
Does the referrer request that the EPA treat any part of the proposal information in the referral as confidential? <i>Provide confidential information in a separate attachment.</i>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Referral declaration for organisations, proponents and decision-making authorities: I, Brett McGuire , (full name) declare that I am authorised to refer this proposal on behalf of PEG and further declare that the information contained in this form is true and not misleading.				
Part A: Proponent and proposal description				
Proponent information				
Name of the proponent/s (including Trading Name if relevant)		Pilbara Energy (Generation) Pty Ltd (PEG)		
Australian Company Number(s) <input checked="" type="checkbox"/>		630 303 305		
OR Australian Business Number(s) <input type="checkbox"/>				
Contact for the proposal (if different from the referrer) <i>Please include: name, physical address, phone, and email.</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sean McGunnigle Fortescue Metals Group Limited		

	Level 2, 87 Adelaide Terrace East Perth, Western Australia 6004 P: +61 438 958 771 E: smcgunnigle@fmgl.com.au
Does the proponent have the legal access required for the implementation of all aspects of the proposal? <i>If yes, provide details of legal access authorisations / agreements / tenure.</i> <i>If no, what authorisations / agreements / tenure is required and from whom?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Proposal type	
What type of proposal is being referred? For a change to an approved proposal please state the Ministerial Statement number/s (MS No./s) of the approved proposal For a derived proposal please state the Ministerial Statement number (MS No.) of the associated strategic proposal	<input checked="" type="checkbox"/> significant – new proposal <input type="checkbox"/> significant – change to approved proposal (MS No./s: _____) <input type="checkbox"/> proposal under an assessed planning scheme <input type="checkbox"/> strategic <input type="checkbox"/> derived (Strategic MS No.: _____)
For a significant proposal: <ul style="list-style-type: none"> Why do you consider the proposal may have a significant effect on the environment and warrant referral to the EPA? 	The proposal includes the development and operation of the PEG power station which may have a significant effect on the environment: <ul style="list-style-type: none"> The 165 MW PEG power station is expected to result in annual greenhouse emissions of 609,696 tCO₂-e. However, this Proposal negates the need to construct a 221MW power station at Iron Bridge (approved under MS993) and therefore resulting in a net reduction of greenhouse gas emissions by 568,727 tCO ₂ -e/annum. Fortescue consider that this Proposal can be assessed and regulated under Part V of the EP Act with a Greenhouse Gas management plan required under a future prescribed premise licence.
For a proposal under an assessed planning scheme, provide the following details: <ul style="list-style-type: none"> Scheme name and number For the Responsible Authority: <ul style="list-style-type: none"> What new environmental issues are raised by the proposal that were not assessed during the assessment of the planning scheme? How does the proposal not comply with the assessed scheme and/or the environmental conditions in the assessed planning scheme? 	Not applicable
Proposal description	

Title of the proposal	PEG Power Station	
Name of the Local Government Authority in which the proposal is located.	Shire of Ashburton	
Location: a) street address, lot number, suburb, and nearest road intersection; or b) if remote the nearest town and distance and direction from that town to the proposal site.	Boundary of L47/901 as follows (Zone 50)	
Proposal description – including the key characteristics of the proposal <i>Provide as an attachment to the form</i>	Refer to Attachment 1	
Have you provided electronic spatial data, maps and figure in the appropriate format? <i>Refer to instructions at the front of the form</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
What is the current land use on the property, and the extent (area in hectares) of the property?	Landuse and tenure are described in the Referral Supporting Document.	
Have you had pre-referral discussions with the EPA at DWER Services? If so, quote the reference number and/or the DWER contact.	YES LIESL ROHL	
Part B: Environmental impacts		
Environmental factors		
What are the likely significant environmental factors for this proposal?	<input type="checkbox"/> Benthic Communities and Habitat <input type="checkbox"/> Coastal Processes <input type="checkbox"/> Marine Environmental Quality <input type="checkbox"/> Marine Fauna <input type="checkbox"/> Flora and Vegetation <input type="checkbox"/> Landforms <input type="checkbox"/> Subterranean Fauna <input type="checkbox"/> Terrestrial Environmental Quality <input type="checkbox"/> Terrestrial Fauna <input type="checkbox"/> Inland Waters <input checked="" type="checkbox"/> Air Quality (AHC) <input type="checkbox"/> Social Surroundings <input type="checkbox"/> Human Health	
<i>For each of the environmental factors identified above, complete the following table, or provide the information in a supplementary report</i>		
Potential environmental impacts		
1	EPA Factor	Greenhouse Gas
2	EPA policy and guidance - What have you considered and how have you applied them in relation to this factor?	The application of policy and guidance to this factor is discussed in Section 4.2.2 of the referral supporting document.

3	Consultation – Outline the outcomes of consultation in relation to the potential environmental impacts	A summary of consultation is provided in Section 3 of the referral supporting document.
4	Receiving environment – Describe the current condition of the receiving environment in relation to this factor.	The receiving environment is further described in Section 4.2.3 of the referral supporting document.
5	Proposal activities – Describe the proposal activities that have the potential to impact the environment	<p>The proposal includes the construction and operation of 14 new gas-fired reciprocating engines with a combined maximum installed capacity of 165 MW. It is expected that the average annual throughput of the facility will be approximately 150 MW.</p> <p>The 165 MW PEG power station is expected to result in 609,696 tCO₂-e.</p> <p>The proposed PEG power station is located next to the existing Solomon power station and replaces the need to construct a 221MW power station at Iron Bridge.</p> <p>The proposed activities are further described in Section 2.3 of the referral supporting document.</p>
6	Mitigation – Describe the measures proposed to manage and mitigate the potential environmental impacts.	<p>Replacing the need to build a 221MW power station at Iron Bridge.</p> <p>Locating the power station adjacent the existing Solomon Power Station to utilise the latent capacity and an existing gas supply infrastructure.</p> <p>Preparation and implementation of Greenhouse Gas Management Plan.</p> <p>Further emission reductions can be achieved through the installation of battery storage facilities and solar farms which are currently being considered by PEG and outside the scope of this referral.</p> <p>The mitigation measures proposed are further described in Section 4.2.6 of the referral supporting document.</p>

Part C: Other approvals and regulation

State and Local Government approvals

Is rezoning of any land required before the proposal can be implemented?

☐ Yes

☒ No

If yes, please provide details.

If this proposal has been referred by a decision-making authority, what approval(s) are required from you?

Please identify other approvals required for the proposal:

Proposal activities e.g. clearing, dewatering, mining, processing, dredging	Land tenure/access e.g. Crown land, Mining lease, specify legislation for access if relevant	Type of approval e.g. Native Vegetation Clearing Permit, licence, mining proposal,	Legislation regulating the activity e.g. <i>EP Act 1986</i> – Part V, <i>RiWI Act 1914</i> , <i>Mining Act 1979</i>
Infrastructure construction and operation	Miscellaneous License	Mining Proposal Works Approval	<i>Mining Act 1978</i> <i>EP Act 1986</i> Part V

Commonwealth Government approvals

Does the proposal involve an action that may be or is a controlled action under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)?

☐ Yes

☒ No

Has the proposed action been referred? If yes, when was it referred and what is the reference number (EPBC No.)?

☐ Yes

☒ No

Date: _____

EPBC No.: _____

If referred, has a decision been made on whether the proposed action is a controlled action? If 'yes', check the appropriate box and provide the decision in an attachment.

☐ Yes

☐ No

☐ Decision – controlled action

☐ Decision – not a controlled action

If the proposal is determined to be a controlled action, do you request that this proposal be assessed under the bilateral agreement or as an accredited assessment?

☐ Yes - Bilateral

☐ No

☐ Yes - Accredited

Is approval required from other Commonwealth Government/s for any part of the proposal?

If yes, describe.

☐ Yes

☒ No

Approval:

7	<p>Impacts – Assess the impacts of the proposal and review the residual impacts against the EPA objective.</p>	<p>The proposal is expected to have a positive impact on the receiving environment by reducing GHG emissions by 586,727 tCO₂e/PA.</p> <p>The 165 MW PEG power station is expected to result in 696,696 tCO₂-e compared to the 221 MW North Star Power Station which was estimated to result in 1,196,423 tCO₂-e.</p> <p>The impacts of the proposal are further described in Section 4.2.4 of the referral supporting document.</p>
8	<p>Assumptions - Describe any assumptions critical to your assessment e.g. particular mitigation measures or regulatory conditions.</p>	NA