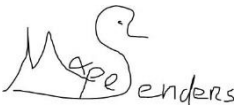


# Form

## Referral of a proposal under s. 38 of the EP Act

PART A: PROPONENT AND REFERRER INFORMATION AND PROPOSAL DESCRIPTION			
<b>Referrer information</b>			
<b>Who is referring this proposal?</b>		<input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Decision-making authority <input type="checkbox"/> Community member/third party	
<b>Name</b> Dr Marc Senders		<b>Signature</b> 	
<b>Position</b>	Project Manager	<b>Organisation</b>	Woodside Energy Technologies Pty Ltd
<b>Email</b>	feedback@woodside.com	<b>Phone</b>	1800 422 977
<b>Address</b>	11	Mount Street	
	Perth	WA	6000
<b>Date</b>	16 May 2023		
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	
Does the referrer confirm that they consent to receive correspondence electronically?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Referral declaration for proponent and Authorised representative: I, <b>Marc Senders</b> , declare that I am authorised to refer this proposal on behalf of Woodside Energy Pty Ltd and further declare that the information contained in this form is true and not misleading. Date: 16 May 2023			
<b>Proponent information</b>			
<b>Name of the proponent/s</b> <i>Include Trading Name if relevant</i>		Woodside Energy Technologies Pty Ltd	
Australian Company Number(s) <input type="checkbox"/>	<b>OR</b>	12 111 767 232	
Australian Business Number(s) <input checked="" type="checkbox"/>			
<b>Pre-referral discussions</b>			
<b>Have you had pre-referral discussions with the EPA (including the EPA Services of DWER)?</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p><i>If so, provide name, date, and overview of discussions.</i></p>	<ul style="list-style-type: none"> <li>- 17<sup>th</sup> January 2023</li> <li>- 15<sup>th</sup> May 2023</li> </ul> <p>Gaynor Owen Danielle Griffiths</p> <p>Proponent provided an overview of the proposal to the EPA and sought feedback.</p>
<p><b>Proposal information</b></p>	
<p><b>Proposal name</b></p>	<p>H2Perth</p>
<p><b>What is the proposal? (Include general description in the <a href="#">Instructions and template: How to identify the content of a proposal</a>)</b></p>	<p>The Proposal is to construct and operate a hydrogen and ammonia plant around 40 km south of the Perth Central Business District (CBD). The Proposal is proposed to be located primarily within the Rockingham Industry Zone (RIZ) in the City of Rockingham, with elements also located within the City of Kwinana and on the multi-user Kwinana Bulk Jetty.</p> <p>The Proposal would produce gaseous hydrogen via electrolysis of water and autothermal Reforming (ATR) of natural gas. The hydrogen would be converted to ammonia, then liquified and stored before export to global markets.</p> <p>The Proposal is proposed to be developed over three phases. Development of the Proposal will be subject to a final investment decision.</p>
<p><b>Have you provided electronic spatial data, maps, and figures in the appropriate format?</b></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p><b>What type of proposal is being referred?</b></p> <p><i>For significant amendment or derived proposal, provide the associated existing Ministerial statement number/s</i></p> <p><i>For a proposal under an assessed planning scheme, provide the scheme number and name</i></p>	<p>ü significant proposal. <i>Choose which type of significant proposal</i></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> new proposal</li> <li><input type="checkbox"/> significant amendment (proposal only)</li> <li><input type="checkbox"/> significant amendment (conditions only)</li> <li><input type="checkbox"/> significant amendment (proposal and conditions)</li> <li><input type="checkbox"/> strategic proposal</li> <li><input type="checkbox"/> derived proposal</li> <li><input type="checkbox"/> proposals of a prescribed class</li> <li><input type="checkbox"/> proposal under an assessed planning scheme</li> </ul>
<p><b>Proposal content:</b> Complete the corresponding template (Proposal Content Document) from the <a href="#">Instructions and template: How to identify the content of a proposal</a> for the type of proposal identified above. The completed form <b>must be</b> submitted with the referral.</p>	
<p><b>Alternatives</b></p>	<p>Refer to section 3 of the H2Perth – Environmental Referral Supporting Document</p>

## PART B: ASSESSMENT OF 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 type="checkbox"/> Air Quality <input checked="" type="checkbox"/> Greenhouse Gas Emissions <input checked="" type="checkbox"/> Social Surroundings <input type="checkbox"/> Human Health
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*For **each** of the environmental factors identified above, complete the following table, or provide the information in a supplementary report*

### Potential environmental impacts – for each environmental factor

1	<b>EPA policy and guidance</b>	Refer to attached Woodside H2Perth - Environmental Referral Supporting Document.
2	<b>Receiving environment</b>	
3	<b>Likely environmental impacts</b>	
4	<b>Application of the mitigation hierarchy</b>	
5	<b>Assessment and significance of residual impacts</b>	
6	<b>Likely environmental outcomes</b>	

### Holistic impact assessment

Refer to Section 16 of the attached Woodside H2Perth - Environmental Referral Supporting Document.

### Cumulative environmental impact assessment

Refer to Section 17 of the attached Woodside H2Perth - Environmental Referral Supporting Document.

### Consultation

Refer to Section 5 of the attached Woodside H2Perth - Environmental Referral Supporting Document.

### Supporting documents

Woodside H2Perth - Environmental Referral Supporting Document

Has the referrer provided survey information according to the <a href="#">Instructions and Form: IBSA Data Packages</a> and/or the <a href="#">Instructions and form: IMSA Data Packages</a>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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### Conclusion

Do you consider the proposal may have a significant effect on the environment?

No

**PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR SIGNIFICANT AMENDMENTS ONLY**

Type of significant amendment	<input type="checkbox"/> significant amendment to the approved proposal <input type="checkbox"/> significant amendment to the implementation conditions <input type="checkbox"/> significant amendment to both the proposal and the implementation conditions
Information of the approved proposal	N/A
Combined effects of the approved proposal and significant amendment	N/A
Analysis of existing implementation conditions	N/A
Previous changes to the Proposal and or implementation conditions	N/A
Compliance	N/A
Environmental Performance	N/A
Control of implementation of significant amendment	N/A

**PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR A PROPOSAL UNDER AN ASSESSED SCHEME ONLY**

What new environmental issues are raised by the proposal that were not assessed during the assessment of the planning scheme?	N/A
How does the proposal not comply with the assessed scheme and/or the environmental conditions in the assessed planning scheme?	N/A

**PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR DERIVED PROPOSALS ONLY**

Demonstrate how the proposal will meet the environmental outcomes defined through the assessment of the strategic proposal	N/A
Provide an analysis of the existing implementation conditions of the related strategic proposal in relation to the derived proposal	N/A

**PART C: OTHER APPROVALS AND REGULATION**

**Decision-making authorities and their approvals**

Provide a table list of the decision-making authorities, associated legislation or agreement regulating the activity and the specific approval required. (Example table at the end of form)	Refer to Table 1
Provide a summary of the statutory decision-making processes you consider can mitigate the potential impacts of the proposal on the environment. (Note: this should be a summary of the information provided in Part B section 2.4).	Refer to Table 1

**Tenure and Local Government approvals**

<p>Location of proposal:</p> <p>a) street address, lot number, suburb, and nearest road intersection; or</p> <p>b) if remote, the nearest town and distance and direction from that town to the proposal site.</p>	<p>The Proposal is to be located around 40 km south of the Perth (CBD) primarily within the Rockingham Industry Zone (RIZ) in the City of Rockingham, with elements also located within the City of Kwinana and on the multi-user Kwinana Bulk Jetty.</p> <p>Main site is located on Lot 149 on Deposited Plan 68599 being the whole of the land in Certificate of Title Volume 2983 Folio 180 and Lot 108 on Deposited Plan 400167 being the whole of the land in Certificate of Title Volume 2953 Folio 177. The project will also make use of the existing pipeline corridor in the area in Lot 110 and some portion of the land on Lot 497</p>
Name of the Local Government Authority in which the proposal is located.	<p>City of Rockingham</p> <p>City of Kwinana</p>
<p>Is rezoning of any land required before the proposal can be implemented?</p> <p>If yes, please provide details.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p>

<p>What is the current land use on the property, and the extent (area in hectares) of the property?</p>	<p>The Proposal comprises two Development Envelopes.</p> <p>The Plant Area Development Envelope covers approximately 148 ha – primary land use in the area is industrial. The area comprises predominantly vacant land, zoned for heavy industry. Other land uses include multi-user pipeline corridors.</p> <p>The Ammonia Export Pipeline Development Envelope covers approximately 27 ha – primary land use in the area is commercial and recreational.</p>
<p>Does the proponent have the legal access required for the implementation of all aspects of the proposal?</p> <p><i>If yes, provide details of legal access authorisations / agreements / tenure.</i></p> <p><i>If no, what authorisations / agreements / tenure is required and from whom?</i></p>	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p>Woodside Energy Limited Pty Ltd obtained an option to lease land within the RIZ through DevelopmentWA for Lot 149 on Deposited Plan 68599 being the whole of the land in Certificate of Title Volume 2983 Folio 180 and Lot 108 on Deposited Plan 400167 being the whole of the land in Certificate of Title Volume 2953 Folio 177.</p> <p>DevelopmentWA also acknowledges in its letter to EPA dated 31/03/2023 that Woodside has requested to make use of the existing (already developed) pipeline corridor in the area in Lot 110.</p>
<p><b>Commonwealth Government approvals</b></p>	
<p>Does the proposal involve an action that may be or is a controlled action under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act)?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Has the proposed action been referred? If yes, when was it referred and what is the reference number (EPBC No.)?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Date: _____</p> <p>EPBC No.: _____</p>
<p>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.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Decision – controlled action</p> <p><input type="checkbox"/> Decision – not a controlled action</p>
<p>If the proposal is determined to be a controlled action, do you request that this proposal be assessed under a Bilateral Agreement or as an accredited assessment?</p>	<p><input type="checkbox"/> Yes - Bilateral <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes - Accredited</p>

<p>Is approval required from other Commonwealth Government/s for any part of the proposal? <i>If yes, describe.</i></p>	<p><input type="checkbox"/> Yes                      <input checked="" type="checkbox"/> No</p>
<p><b>Decision-making authority referrals <u>ONLY</u></b></p>	
<p>What approval/s, under your authority, are required for this proposal? <i>Please provide details.</i></p>	<p>N/A</p>

**Table 1: Decision-making authorities and their approvals**

Decision-making authority	Legislation or Agreement regulating the activity	Approval required (and specify which proposal element the approval is related to)	Whether and how statutory decision-making process can mitigate impacts on the environment? (Yes/No and summary of reasons. Include a separate line item for each relevant impact, and discuss how the EPA's factor objective will be met)
Department of Planning, Lands and Heritage	<ul style="list-style-type: none"> <li>-<i>Land Administration Act 1997</i> (WA)</li> <li>-<i>Aboriginal Heritage Act 1972</i> (WA)</li> <li>-<i>Aboriginal Cultural Heritage Act 2021</i> (WA)</li> </ul>	Section 18 Approval to disturb a registered heritage site, or Approved Aboriginal Cultural Heritage Management Plan	For the management of activities which may impact on Aboriginal heritage or cultural values if these cannot be avoided. This will ensure the EPA factor objective for Social Surroundings is met.
Joint Development Assessment Panel	<ul style="list-style-type: none"> <li>-<i>Planning and Development Act 2005</i> (WA)</li> <li>-City of Rockingham Town Planning Scheme No. 2</li> <li>-City of Kwinana Local Planning Scheme No. 2</li> </ul>	Development Approval	Yes. The Development Approval will ensure Proposal activities are aligned with local zoning and planning requirements. This is aligned to EPA factor objectives for Flora and Vegetation, Terrestrial Fauna, Social Surroundings and Inland Waters.
Department of Water and Environmental Regulation	Part V, Division 3 <i>Environmental Protection Act 1986</i> (WA)	<ul style="list-style-type: none"> <li>-Works Approval</li> <li>-Environment Licence for controlled work or prescribed activities</li> </ul>	Yes. It is expected this proposal will trigger a Part V EP Act License to regulate potential impacts and emissions from the Proposal. This will ensure the EPA factors for Air Quality, Inland Waters, Flora and Vegetation, Terrestrial Fauna and Social Surroundings are met.
Department of Biodiversity Conservation and Attractions	<i>Biodiversity Conservation Act 2016</i> (WA)	Licence to take flora / fauna	Yes. For the management of activities which impact on threatened flora and fauna. This will ensure the EPA factor objective for Flora and Vegetation is met.
Department of Mines, Industry Regulation and Safety	<ul style="list-style-type: none"> <li>-<i>Dangerous Goods Safety Act 2004</i> (WA)</li> <li>-Dangerous Good Safety (Major Hazard Facilities) Regulations 2007</li> <li>-Dangerous Good Safety (Major Hazard Facilities) Regulations 2007 (WA)</li> </ul>	<ul style="list-style-type: none"> <li>Dangerous Goods Site Licence</li> <li>Safety Report Approval</li> </ul>	Yes. Regulating hazardous facility and dangerous goods. <ul style="list-style-type: none"> <li>-Dangerous Goods Licence.</li> <li>-Safety Report Approval</li> <li>-Registration of facility.</li> <li>-Emergency Management and Fire Management plans.</li> <li>-Licences: manufacturing/production/storage.</li> </ul>



Decision-making authority	Legislation or Agreement regulating the activity	Approval required (and specify which proposal element the approval is related to)	Whether and how statutory decision-making process can mitigate impacts on the environment? (Yes/No and summary of reasons. Include a separate line item for each relevant impact, and discuss how the EPA's factor objective will be met)
Department of Climate Change, Energy, the Environment and Water (DCCEEW)	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>	Environmental impacts on Matters of National Environmental Significance	An accredited assessment through the EPA to address potential impacts to Matters of National Environmental Significance (MNES). This will ensure the EPA factors for all key environmental factors are met.