


Form

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

PART A: PROPONENT AND REFERRER INFORMATION AND PROPOSAL DESCRIPTION			
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) Micheal Denham <i>Name of the person or organisation referring</i>			
Position	Plant Manager – Kemerton Power Station	Organisation	Worley Power Services
Email	Micheal.denham@worley.com	Phone	0428 999 042
Address	Lot 505	Treasure Road	
	Wellesley	WA	6233
Date	13 March 2024		
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, Micheal Denham declare that I am authorised to refer this proposal on behalf of RATCH-Australia Kemerton Pty Ltd and further declare that the information contained in this form is true and not misleading. Date: 13 March 2024			
Proponent information			
Name of the proponent/s <i>Include Trading Name if relevant</i>		RATCH-Australia Kemerton Pty Ltd	
Australian Company Number(s) <input type="checkbox"/>		106 619 112	
OR Australian Business Number(s) <input checked="" type="checkbox"/>			
Pre-referral discussions			
Have you had pre-referral discussions with the EPA (including the EPA Services of DWER)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 7 November 2023	

<p><i>If so, provide name, date, and overview of discussions.</i></p>	<p>Pre-referral meeting with EPA Services, discussion of Proposal and proposed approach. EPA Services members included Robert Hughes, Hannah Sumner and Nicole Zago.</p> <p>27 February 2024</p> <p>Meeting to discuss Proposal and studies completed to date</p>
<p>Proposal information</p>	
<p>Proposal name</p>	<p>Kemerton Power Station Increased Operating Capacity</p>
<p>What is the proposal? (Include general description in the Instructions and template: How to identify the content of a proposal)</p>	<p>The Proposal is to increase the Kemerton Power Station hours of operation from 2,000 hours/annum to 13,800 hours/annum.</p> <p>The construction and operation of the Kemerton Power Station was approved under Ministerial Statement 645 (published 9 February 2004) and the facility has been operating since 2015. The Proposal represents a significant amendment to the operating quantities/descriptions currently approved under Schedule 1 (Attachment 6) of Ministerial Statement 645.</p> <p>The Proposal is limited to increasing the hours of operation of the approved Kemerton Power Station facility and does not involve any clearing, construction, commissioning or development of new equipment or infrastructure.</p>
<p>Have you provided electronic spatial data, maps, and figures in the appropriate format?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>What type of proposal is being referred?</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><input type="checkbox"/> significant proposal. <i>Choose which type of significant proposal</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> new proposal <input checked="" type="checkbox"/> significant amendment (proposal only) <input type="checkbox"/> significant amendment (conditions only) <input type="checkbox"/> significant amendment (proposal and conditions) <p><input type="checkbox"/> strategic proposal</p> <p><input type="checkbox"/> derived proposal</p> <p><input type="checkbox"/> proposals of a prescribed class</p> <p><input type="checkbox"/> proposal under an assessed planning scheme</p>
<p>Proposal content: Complete the corresponding template (Proposal Content Document) from the Instructions and template: How to identify the content of a proposal for the type of proposal identified above. The completed form must be submitted with the referral.</p>	

Alternatives	Refer to Referral Supporting Information Document – Section 2.5
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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 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	EPA policy and guidance	Refer to Referral Supporting Information Document – Section 7
2	Receiving environment	
3	Likely environmental impacts	
4	Application of the mitigation hierarchy, including other statutory decision-making processes	
5	Assessment and significance of residual impacts	
6	Likely environmental outcomes	

Holistic impact assessment

Refer to Section 9 of Referral Supporting Information Document

Cumulative environmental impact assessment

Refer to Section 7 and Section 9 of Referral Supporting Information Document

Consultation

Refer to Section 4 of Referral Supporting Information Document

Supporting documents

Kemerton Power Station Increased Operating Capacity Referral Supporting Information Document, associated appendices.

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

Scope 1 GHG emissions from the Proposal exceed the EPA's assessment threshold of 100,000 tonnes of CO₂ equivalent per year, as stated in the EPA Factor Guideline for GHG Emissions.

The South West Interconnected System (SWIS) is undergoing significant changes, including forecast increases in demand on the network, the increase of intermittent renewable electricity generation capacity, and the imminent closure of coal power plants in Western Australia.

The Proposal will provide required additional electricity generation capacity, security and stability on the SWIS. While the Proposal will result in increased GHG emissions from KPS, it will provide required electricity to the SWIS at a lower emissions intensity than the coal fired power plants that are scheduled to come offline by 2030, as required to support the WA State Governments ambition of achieving net zero emissions by 2050. The Proposal will facilitate the transition of the SWIS to a predominantly renewables network, with operating hours and associated GHG emissions reducing over time in line with new renewable capacity being added to the network.

No significant residual impacts have been identified and it is considered that the EPA's objective for GHG emissions will be met.

PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR SIGNIFICANT AMENDMENTS ONLY

Type of significant amendment	<input checked="" 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	Ministerial Statement 645 – Kemerton Power Station, Kemerton The construction, operation and maintenance of a nominal 260 megawatt open cycle peaking power plant at Kemerton.
Combined effects of the approved proposal and significant amendment	Currently approved (MS 645, Schedule 1, Attachment 6) Approximately 320 kilotonnes (kt) of CO ₂ equivalent (ktCO ₂ -e) of emissions per year Proposed and combined effect Scope 1 GHG emissions of up to 1,345 kt CO ₂ -e per year.
Analysis of existing implementation conditions	No change to existing implementation conditions proposed.
Previous changes to the Proposal and or implementation conditions	Refer to Referral Supporting Information Document – Section 2.4.1

<p>Compliance</p>	<p>5-year history of compliance (compliance reports provided as supporting documents):</p> <ul style="list-style-type: none"> • Environmental Ministerial Compliance Report 2018_Statement 645 - nil matters of non-compliance • Environmental Ministerial Compliance Report 2019_Statement 645 - nil matters of non-compliance • Environmental Ministerial Compliance Report 2020_Statement 645 - nil matters of non-compliance • Environmental Ministerial Compliance Report 2021_Statement 645 - nil matters of non-compliance • Environmental Ministerial Compliance Report 2022_Statement 645 - nil matters of non-compliance <p>Preparation of the report for the 2023 period (28th of February 2023 – 29th of February 2024) is underway and no and there was nil matters of non-compliance for the reporting period.</p>
<p>Environmental Performance</p>	<p>Current environmental performance is presented in the Annual Environmental Report (AER) prepared based on the DWER licence L8026/2004/6 requirements. Presented in the AER, air emission figures demonstrate that the emissions from KPS stack comply with EPA guideline. EPA Guidance Statement No. 15 “Emissions of Oxides of Nitrogen from Gas Turbines” states that for new open cycle turbines using natural gas, dry low NOx burner technology constitutes best practice and is capable of achieving NOx emissions of less than 25ppm. The emissions from KPS gas turbines comply with EPA Guidance Statement No. 15. This requires stack emission of less than 34ppmv (dry at 15% oxygen level) when operating on natural gas, and less than 73ppmv (dry at 15% oxygen level) operating on liquid fuel. Within the Kemerton gas turbines dry low NOx burners are installed that limit NOx emissions to less than 25ppm, therefore minimising NOx emissions without the requirement for water or steam injection. The combustion temperature is reduced when operating on liquid fuel to limit NOx emissions to less than 73ppm. To date the air emissions test program has demonstrated the installed dry low NOx burners are capable of maintaining NOx emissions well below the EPA standards. Both gas turbine units were last tested / validated for air emissions performance during licence period of Nov-2022 to Oct-2023 (October 2020) for both natural gas.</p>

Control of implementation of significant amendment	Annual reporting in line with existing MS 645 conditions. Annual NGER reporting.
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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 3-2 of attached Referral Supporting Information Document
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). (Example table at the end of form)	Potential impacts associated with the Proposal are limited to GHG Emissions. As outlined in Section 2.5 of the Referral Supporting Information Document and the Greenhouse Gas Management Plan that has been prepared for the Proposal , the key mitigation for GHG emissions associated with the Proposal is the addition of renewable electricity generation capacity on the SWIS.

Tenure and Local Government approvals

Location of proposal: 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.	505 Treasure Road, Wellesley, WA, 6233 Lot 505 on Deposited Plan P 39528
Name of the Local Government Authority in which the proposal is located.	Shire of Harvey
Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the current land use on the property, and the extent (area in hectares) of the property?	Industrial - current land use is the Kemerton Power Station. KPS covers approximately 2 ha of the approximately 28 ha RATCH-Australia Kemerton Pty Ltd owned site (Lot 505 on Deposited Plan P 39528).
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 The Proponent owns the property on which KPS is located.
Commonwealth Government approvals	
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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Has the proposed action been referred? If yes, when was it referred and what is the reference number (EPBC No.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Decision – controlled action <input type="checkbox"/> Decision – not a controlled action
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?	<input type="checkbox"/> Yes - Bilateral <input type="checkbox"/> No <input type="checkbox"/> Yes - Accredited
Is approval required from other Commonwealth Government/s for any part of the proposal? <i>If yes, describe.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Approval:
Decision-making authority referrals <u>ONLY</u>	

What approval/s, under your authority, are required for this proposal? *Please provide details.*

N/A

