



Appendix A. SEARs compliance table

Shoalhaven Hydro Expansion Project - Main Works Environmental Impact Statement

SSI-10033

Origin Energy Eraring Pty Ltd

November 2022

Shoalhaven Hydro Expansion Project - Main Works Environmental Impact Statement

SEARs compliance table

Acknowledgment of Country

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Appendix A. SEARS compliance table

The requirements detailed in the SEARs, together with where they are addressed in this environmental impact statement, are provided in **Table A-1**. While the EP&A regulation form and content requirements for the EIS and how they are addressed by the EIS are provide in **Table A-2** and **Table A-3**.

The checklist for matters outlined in Schedule 4 of the EPBC regulation is provided in **Table A-4** and **Table A-5** provides a summary of where the matters required to be considered under the EPBC Act and the bilateral agreement have been addressed in this EIS.

Table A-1. Compiled list of SEARs compliance and locations within the EIS

Requirements	Where addressed in this EIS
General requirements	
The EIS for the project must comply with the requirements in schedule 2 of the Environmental Planning and Assessment Regulation 2000 (the Regulation). In particular, the EIS must include:	The EPA Regulation 2000 is superseded by the EPA Regulation 2021. A checklist of compliance against the EP&A Regulations 2021 is provided in Table A-2 . Throughout this EIS and Appendix C .
A stand-alone executive summary.	EIS Summary provided separately and within EIS.
A summary of the background to the project, including the alternatives that were considered to the project;	The Project background is summarised in Section 1.2 . Consideration of alternatives is provided in Section 2.5 .
A full description of the project, including: <ul style="list-style-type: none"> all components, materials and activities required to construct the project (including any infrastructure that would be required for the development, but the subject of a separate approvals process) likely staging or sequencing of the project, including construction, decommissioning and rehabilitation a strategy for the design, management, and rehabilitation of the project site plans and maps at an adequate scale with dimensions showing <ul style="list-style-type: none"> the location and dimensions of all project components existing infrastructure, land use, and environmental features the development corridor that has been assessed and consideration of design options cross-sectional mapping that identifies underground components. 	Project description is provided in Chapter 3 including likely staging and durations. Strategy for design is provided in Section 3.2 . Strategy for management is provided in Section 3.4 and Appendix E. A rehabilitation strategy is provided in Section 3.4.9 Site plans and maps are provided throughout the EIS with indicative concept design details provided in Appendix B .
The likely interactions between the project and any other existing, approved or proposed development in the vicinity of the site, including the existing Shoalhaven Scheme and WaterNSW infrastructure.	Cumulative impacts are assessed in Section 6.15 .
A summary of the strategic context for the project having regard to its critical significance for NSW and relevant State and Commonwealth Governments policies and reports relating to energy security and reliability.	Strategic context is provided in Section 2 .

SEARs Compliance table

Requirements	Where addressed in this EIS
<p>A statutory context for the project, including:</p> <ul style="list-style-type: none"> how the project meets the provisions and objectives of the <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act) and EP&A Regulation consideration of the project against all relevant environmental planning instruments any approvals that must be obtained before the project can commence, including any approvals under the <i>Commonwealth Environment Protection & Biodiversity Conservation Act 1999</i> the likely interactions with the Water NSW Act 2014 and Water NSW Regulation 2013. 	<p>Statutory context is provided in Section 4.</p>
<p>An assessment of the likely impacts of the project on the biophysical and socioeconomic environment, focusing on the specific issues identified below, including:</p> <ul style="list-style-type: none"> a description of the existing environment likely to be affected by the project a description of how the project has been designed to avoid and minimise impacts an assessment of the potential impacts of the project, including any cumulative impacts, and taking into consideration relevant guidelines, policies, plans and industry codes of practice. 	<p>Assessment of impacts is provided in Section 6. Cumulative impacts are assessed in Section 6.15.</p>
<p>A consolidated summary of all the proposed environmental management and monitoring measures, identifying all the commitments in the EIS.</p>	<p>Consolidated mitigation measures are provided in Appendix E.</p>
<p>An evaluation of the project as a whole having regard to:</p> <ul style="list-style-type: none"> relevant matters for consideration under the EP&A Act including ecologically sustainable development the strategic need and justification for the project having regard to energy security and reliability in NSW and the broader National Electricity Market the biophysical, economic and social costs and benefits of the project. 	<p>Provided in Chapter 7.</p>
<p>The EIS must be accompanied by a signed report from a suitably qualified expert that includes an accurate estimate of the capital investment value (as defined in Clause 3 of the Environmental Planning and Assessment Regulation 2000) of the project, including details of all the assumptions and components from which the capital investment value calculation is derived.</p>	<p>A report by a suitably qualified expert has been provided separately to DPE.</p>
Key issues	
<p>Biodiversity – including:</p> <ul style="list-style-type: none"> an assessment of the biodiversity values and the likely biodiversity impacts of the project (including consideration of the Morton National Park) in accordance with the NSW Biodiversity Conservation Act 2016, the Biodiversity Assessment Method (BAM) and documented in a Biodiversity Development Assessment Report (BDAR) the BDAR must document the application of the avoid, minimise and offset framework including assessing all direct, indirect and prescribed impacts in accordance with the BAM an assessment of the impacts of the project on aquatic ecology, key fish habitat and threatened aquatic species, and measures to 	<p>Biodiversity impacts are assessed in Section 6.1 and Appendix F.</p>

SEARs Compliance table

Requirements	Where addressed in this EIS
rehabilitate or offset (if required) aquatic biodiversity values; and - if an offset is required, details of the measures proposed to address the offset obligation.	
<p>Heritage – including:</p> <ul style="list-style-type: none"> an assessment of the Aboriginal cultural heritage items (cultural and archaeological) in accordance with the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (OEH, 2011) and the Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW (DECCW, 2010) archival and oral history recording for any items with significant heritage values likely to be disturbed or impacted by the project evidence of adequate consultation with the local Aboriginal community in determining and assessing impacts, developing options and selecting options and mitigation measures (including the final proposed measures), having regard to the Aboriginal Cultural Heritage Consultation Requirements for Proponents (OEH, 2010) assessment of the impacts to historic heritage having regard to the NSW Heritage Manual. 	<p>Aboriginal heritage impacts are assessed in Section 6.2 and Appendix G.</p> <p>Historical heritage impacts are assessed in Section 6.3 and Appendix H.</p>
<p>Land – including:</p> <ul style="list-style-type: none"> an assessment of impacts of the project on soils, land capability, including potential impacts associated with the use of hydrocarbons and chemicals, dealing with the spoil generated by the project, and geotechnical stability of the site and surrounds, including completion of a Land Use Conflict Risk Assessment in accordance with DPI's Land Use Conflict Risk Assessment Guide an assessment of the impacts of the project on landforms, including the short and long term geotechnical stability of any new landforms and any seismic or subsidence impacts an assessment of the risk of soil and water contamination based on the predicted geochemistry of the excavated rock and any disturbance of land associated with previous mining activities and naturally occurring asbestos in the vicinity of the site a strategy to manage the progressive rehabilitation of the land disturbed by the project and enhance any new landforms created. 	<p>Land impacts are assessed in Section 6.4 and the spoil management strategy included as Appendix K.</p> <p>A rehabilitation strategy is Provided in Section 3.4.9.</p>
<p>Water – including:</p> <ul style="list-style-type: none"> an assessment of the impacts of the project on groundwater aquifers and groundwater dependent ecosystems having regard to the NSW Aquifer Interference Policy and relevant Water Sharing Plans a detailed site water balance for the project, including water supply and wastewater disposal arrangements an assessment of whether the project would have a neutral or beneficial effect on water quality where the project involves works within 40 metres of the high bank of any river, lake or wetlands (collectively waterfront land), identify likely impacts to the waterfront land, and how the activities are to be designed and implemented in accordance with the DPI Guidelines for Controlled Activities on Waterfront Land (2018) and (if necessary) Why Do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (DPI 2003); and Policy & Guidelines for Fish Habitat Conservation & Management (DPI, 2013) a strategy to manage spoil. 	<p>Surface water impacts are assessed in Section 6.6 and Appendix I.</p> <p>Groundwater impacts are assessed in Section 6.7 and Appendix J.</p> <p>The spoil management strategy is provided in Appendix K.</p>

SEARs Compliance table

Requirements	Where addressed in this EIS
Transport – including an assessment of the transport impacts of the project on the capacity, condition, safety and efficiency of the local road network (including Moss Vale Road, Jacks Corner Road, Lower Bendeela Road and Promised Lands Trail).	Traffic and transport impacts are assessed in Section 6.8 and Appendix L .
Noise – including an assessment of the construction noise, road noise and vibration impacts of the project.	Noise and vibration impacts are assessed in Section 6.9 and Appendix M .
Air – including an assessment of the air quality impacts of the project, including particulate matter and greenhouse gas emissions.	Air quality impacts are assessed in Section 6.10 and Appendix N .
Waste and spoil management - identify, quantify and classify the likely waste streams to be generated (including spoil) during construction and operation, and describe the measures to be implemented to manage, re-use, recycle and safely dispose of this waste.	Waste and spoil management impacts are assessed in Section 6.11 and Appendix K .
Public Safety – including an assessment of the risks to public safety, paying particular attention to bushfire and flooding risks, emergency egress and evacuation, and the handling and use of any dangerous goods.	Public safety impacts are assessed in Section 6.12
Social & Economic – including an assessment of the social and economic impacts in accordance with Social Impact Assessment Guideline (DPIE, July 2021) (application subject to transitional arrangements) and benefits of the project for the region and the State as a whole, including consideration of any increase in demand for community infrastructure and services.	Social and economic impacts are assessed in Section 6.13 and Appendix Q .
Plans and documents	
The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the Regulation. Provide these as part of the EIS rather than as separate documents. In addition, the EIS must include high quality files of maps and figures of the subject site and proposal.	<p>The EPA Regulation 2000 is superseded by the EPA Regulation 2021.</p> <p>Consideration of the general form and content requirements of the EP&A Regulation 2021 is provided in Table A2.</p> <p>Detailed figures outlining the Project are provided throughout the EIS and indicative concept design figures on which the EIS is based are provided in Appendix B.</p>
Consultation	
During the preparation of the EIS, you must consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners. The EIS must describe the consultation that was carried out, identify the issues raised during this consultation, and explain how these have been considered and addressed.	Consultation carried out for the Project is outlined in Section 5 and Appendix D .

SEARs Compliance table

Table A-2. General form and content requirements under Division 1 of the EP&A Regulations 2021

EIS Requirements	Where addressed in this EIS
An EIS must contain the following information:	
The name, address and professional qualifications of the person who prepared the statement.	The details are provided in the EIS Declaration .
The name and address of the responsible person.	
The address of the land: <ul style="list-style-type: none"> to which the development application relates or on which the activity or infrastructure to which the statement relates will be carried out. 	
A description of the development, activity, or infrastructure.	An overview of the project is provided in Section 1.1 and a full description is provided in Chapter 3 .
An assessment by the person who prepared the statement of the environmental impact of the development, activity, or infrastructure, dealing with the matters referred to in this Division.	Chapter 6
An EIS must contain a declaration by a relevant person that: <ul style="list-style-type: none"> the statement has been prepared in accordance with this Regulation the statement contains all available information that is relevant to the environmental assessment of the development, activity or infrastructure the information contained in the statement is not false or misleading For State significant development or State significant infrastructure—the statement contains the information required under the Registered Environmental Assessment Practitioner Guidelines. 	Provided in EIS declaration .
An EIS must also contain the following information:	
A summary of the environmental impact statement.	EIS Summary provided separately and within EIS.
A statement of the objectives of the development, activity or infrastructure.	Section 1.2
An analysis of feasible alternatives to the carrying out of the development, activity or infrastructure, considering its objectives, including the consequences of not carrying out the development, activity or infrastructure.	Section 2.4
An analysis of the development, activity or infrastructure, including:	
<ul style="list-style-type: none"> A full description of the development, activity or infrastructure 	The project overview is provided in Section 1.1 and a full description is provided in Chapter 3 .
<ul style="list-style-type: none"> A general description of the environment likely to be affected by the development, activity or infrastructure and a detailed description of the aspects of the environment that are likely to be significantly affected 	The general description of the environmental context is provided in Section 2.4 and detailed identification of

SEARs Compliance table

EIS Requirements	Where addressed in this EIS
<ul style="list-style-type: none"> The likely impact on the environment of the development, activity or infrastructure A full description of the measures to mitigate adverse effects of the development, activity or infrastructure on the environment 	relevant environmental aspects are provided throughout Chapter 6
<ul style="list-style-type: none"> A compilation of the measures to mitigate adverse effects of the development, activity or infrastructure on the environment, in a single section of the EIS 	Appendix E
<ul style="list-style-type: none"> A list of the approvals that must be obtained under another Act or law before the development, activity or infrastructure may lawfully be carried out. 	Chapter 4
The reasons justifying the carrying out of the development, activity or infrastructure, considering biophysical, economic and social factors, including the principles of ecologically sustainable development set out in section 193.	Chapter 7

Table A-3. Form and content requirements under sections 190 and 192 of Division 5 of the Environmental Planning and Assessment Regulation 2021

EIS requirement		Where addressed in this EIS
190 Form of environmental impact statement		
(1) An environmental impact statement must contain the following information—		
(a)	the name, address and professional qualifications of the person who prepared the statement,	EIS declaration
(b)	the name and address of the responsible person,	EIS declaration
(c)	the address of the land—	EIS declaration
	(i) to which the development application relates, or	
	(ii) on which the activity or infrastructure to which the statement relates will be carried out,	
(d)	a description of the development, activity or infrastructure,	EIS declaration
(e)	an assessment by the person who prepared the statement of the environmental impact of the development, activity or infrastructure, dealing with the matters referred to in this Division.	EIS declaration
(2) The person preparing the statement must consider—		
(a)	For State significant development—the <i>State Significant Development Guidelines</i> , or	Not applicable
(b)	For State significant infrastructure—the <i>State Significant Infrastructure Guidelines</i> .	The EIS generally reflects the form and content requirements of the guidelines.

SEARs Compliance table

EIS requirement		Where addressed in this EIS	
(3) An environmental impact statement must also contain a declaration by the person who prepared the statement of the following—		EIS declaration	
(a)	the statement has been prepared in accordance with this Division, and		
(b)	the statement contains all available information that is relevant to the environmental assessment of the development, activity or infrastructure, and		
(c)	the information contained in the statement is not false nor misleading.		
192 Content of environmental impact statement			
(1) An environmental impact statement must contain the following—			
(a)	a summary of the environmental impact statement,	Executive summary	
(b)	a statement of the objectives of the development, activity or infrastructure,	Section 1.2	
(c)	an analysis of feasible alternatives to the carrying out of the development, activity or infrastructure, considering its objectives, including the consequences of not carrying out the development, activity or infrastructure,	Section 2.5	
(d)	an analysis of the development, activity or infrastructure, including—	Section 3	
(i)	a full description of the development, activity or infrastructure, and		
(ii)	a general description of the environment likely to be affected by the development, activity or infrastructure, together with a detailed description of those aspects of the environment that are likely to be significantly affected, and		Sections 2.4 and throughout Chapter 6
(iii)	the likely impact on the environment of the development, activity or infrastructure, and		Chapter 6
(iv)	a full description of the measures to mitigate adverse effects of the development, activity or infrastructure on the environment, and		Appendix E
(v)	a list of any approvals that must be obtained under another Act or law before the development, activity or infrastructure may lawfully be carried out,		Table 4-1
(e)	A compilation, in a single section of the environmental impact statement, of the measures referred to in item (d)(iv),	Appendix E	
(f)	the reasons justifying the carrying out of the development, activity or infrastructure, considering biophysical, economic and social factors, including the principles of ecologically sustainable development set out in section 193.	Sections 7.	

Table A-4 Supplementary SEARs Shoalhaven Hydro – Main Works (EPBC 2022/09293) Checklist

Supplementary SEARs requirement	Where addressed in this EIS
Introduction	
<p>On 28 September 2022, a delegate of the Federal Minister for the Department of Climate Change, Energy, the Environment and Water (formerly Department of Agriculture, Water and the Environment) determined Shoalhaven Hydro – Main Works was a controlled action under section 75 of the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). The EPBC Act controlling provisions for the proposed actions are:</p> <p>i. listed threatened species and communities (sections 18 and 18A)</p>	Noted
<p>2. The proposed action will be assessed in accordance with the bilateral assessment agreement Amending Agreement No. 1, and as such, is required to be assessed in the manner specified in Schedule 1 to that Agreement, including, addressing the matters outlined in Schedule 4 of the Environment Protection and Biodiversity Conservation Regulations 2000 (EPBC Regulations).</p>	<p>The EIS includes a BDAR (refer to Appendix F) that assess the protected matters under the controlling provisions listed.</p> <p>The threatened species and communities listed In Appendix A are considered in the BDAR (Appendix F).</p>
<p>3. The proponent must undertake an assessment of all protected matters that may be impacted by the development under the controlling provision identified in paragraph 1. The Commonwealth Federal Minister for the Department of Climate Change, Energy, the Environment and Water considers that the proposed action is likely to have a significant impact on threatened species listed in Appendix A.</p>	
<p>4. The proponent must consider each of the protected matters under the triggered controlling provisions that may be impacted by the action. Note that this may not be a complete list and it is the responsibility of the proponent to undertake an analysis of the relevant impacts and ensure all protected matters that are likely to be impacted are assessed for the Commonwealth Minister’s consideration.</p>	
General requirements	
<p>5. The Environmental Impact Statement (EIS) must address all matters outlined in Schedule 4 of the EPBC Regulations and all matters outlined below in relation to the controlling provisions</p>	<p>A checklist for matters outlined in Schedule 4 of the Environment Protection and Biodiversity Conservation Regulations 2000 is provided in Table A-5.</p>
Project description	
<p>6. The title of the action, background to the action and current status.</p>	<p>Information on the Project is summarised in the EIS declaration. Project background is provided in Section 1.2.</p>

SEARs Compliance table

Supplementary SEARs requirement	Where addressed in this EIS
	The current status of the Project is detailed design and pending approval.
7. The precise location and description of all works to be undertaken (including associated offsite works and infrastructure), structures to be built or elements of the action that may have impacts on Matters of National Environmental Significance (MNES).	<p>The Precise location of the action was separately provided as part of the EPBC 2022/09293 Referral.</p> <p>The location of the Project is described in Section 2.4 and summarised in Table 3-1. While the structures proposed to be built are described in Section 3.3.</p>
8. How the action relates to any other actions that have been, or are being taken in the region affected by the action.	<p>Other projects in the vicinity of the Project are described in Section 6.15.3.</p> <p>Potential cumulative impacts with these other projects are assessed in Section 6.15.4.</p>
9. How the works are to be undertaken and design parameters for those aspects of the structures or elements of the action that may have relevant impacts on MNES.	A description of how the Project would be constructed is provided in Chapter 3 .
Impacts	
<p>10. The EIS must include an assessment of the relevant impacts of the action on the matters protected by the controlling provisions, including</p> <ul style="list-style-type: none"> i. a description and detailed assessment of the nature and extent of the likely direct, indirect and consequential impacts, including short term and long term relevant impacts; ii. a statement whether any relevant impacts are likely to be unknown, unpredictable or irreversible; iii. analysis of the significance of the relevant impacts; and iv. any technical data and other information used or needed to make a detailed assessment of the relevant impacts. 	Matters protected by the controlling provisions being threatened species and ecological communities are assessed in Section 6.1 and Appendix F .
Avoidance, mitigation and offsetting	

SEARs Compliance table

Supplementary SEARs requirement	Where addressed in this EIS
<p>11. For each of the relevant matters protected that are likely to be significantly impacted by the action, the EIS must provide information on proposed avoidance and mitigation measures to manage the relevant impacts of the action including</p> <ul style="list-style-type: none"> i. a description, and an assessment of the expected or predicted effectiveness of the mitigation measures, ii. any statutory policy basis for the mitigation measures; iii. the cost of the mitigation measures; iv. an outline of an environmental management plan that sets out the framework for continuing management, mitigation and monitoring programs for the relevant impacts of the action, including any provisions for independent environmental auditing; v. the name of the agency responsible for endorsing or approving each mitigation measure or monitoring program. 	<p>Avoidance and mitigation measures for relevant matters are provided in Appendix F. Appendix E provides the consolidated list of all mitigation measures that will be implemented for the Project.</p>
<p>12. Where a significant residual adverse impact to a relevant protected matter is considered likely, the EIS must provide information on the proposed offset strategy, including discussion of the conservation benefit associated with the proposed offset strategy.</p>	<p>The need for biodiversity offsets and a biodiversity offset strategy are discussed in Sections 13 of the BDAR (Appendix F) and summarised in Section 6.1.9</p>
<p>13. For each of the relevant matters likely to be impacted by the action the EIS must provide reference to, and consideration of, relevant Commonwealth guidelines and policy statements including any:</p> <ul style="list-style-type: none"> i. conservation advice or recovery plan for the species or community; ii. relevant threat abatement plan for the species or community; iii. wildlife conservation plan for the species; and iv. any strategic assessment. 	<p>Guidelines and policy statements referenced in the assessment of matters protected by the controlling provisions are identified in Section 7 of the BDAR (Appendix F)</p>
<p>14. In addition to the general requirements described above, specific information is required with respect to each of the determined controlling provisions. These requirements are outlined in paragraphs 15-18.</p>	<p>Refer to the sections below.</p>
Key issues: Biodiversity (threatened species and communities and migratory species)	
<p>Assessment Requirements</p> <p>15. The EIS must identify each EPBC Act listed threatened species and community and migratory species likely to be impacted by the action. For any species and communities that are likely to be impacted, the proponent must provide a description of the nature, quantum and consequences of the impacts. For species and communities potentially located in the project area or in the vicinity that are not likely to be impacted, provide evidence why they are not likely to be impacted.</p>	<p>The Projects impacts including the nature, quantum and consequences of the impacts on EPBC Act listed threatened ecological communities, threatened plants and</p>

SEARs Compliance table

Supplementary SEARs requirement	Where addressed in this EIS
<p>16. Further analysis of the impacts of the 2019-2020 bushfires on EPBC Act listed threatened species and communities should be undertaken during the assessment. Further assessment will determine whether the remaining habitat within the proposed action area is of substantially greater importance to the survival of the listed threatened species following the fires and/or whether the population of the species in the area is considered an important population. This information, once obtained, can be considered when determining avoidance, mitigation and offset measures for these species.</p>	<p>animals including migratory are discussed in the BDAR (Appendix F)</p> <p>A large bushfire affected parts of the Kangaroo Valley and Morton National Park to the west of the Project area in January 2020. BDAR (Appendix F) confirmed that Project area was not impacted by this fire and as such <i>Guideline for applying the Biodiversity Assessment Method at severely burnt sites</i> (Department of Planning, Industry and Environment, 2020) does not apply.</p>
<p>17. For each of the EPBC Act listed threatened species likely to be impacted by the action the EIS must provide a separate:</p> <ul style="list-style-type: none"> i. description of the habitat (including identification and mapping of suitable breeding habitat, suitable foraging habitat, important populations and habitat critical for survival), with consideration of, and reference to, any relevant Commonwealth guidelines and policy statements including listing advice, conservation advice and recovery plans; ii. details of the scope, timing and methodology for studies or surveys used and how they are consistent with (or justification for divergence from) published Australian Government guidelines and policy statements; iii. description of the relevant impacts of the action having regard to the full national extent of the species or community's range; iv. description of the specific proposed avoidance and mitigation measures to deal with relevant impacts of the action; v. identification of significant residual adverse impacts likely to occur after the proposed activities to avoid and mitigate all impacts are taken into account; vi. a description of any offsets proposed to address residual adverse significant impacts and how these offsets will be established; vii. details of how the current published NSW Biodiversity Assessment Method (BAM) has been applied in accordance with the objects of the EPBC Act to offset significant residual adverse impacts; and 	<p>These details are provided in Sections 7.3, 7.4, 7.5, 7.6 and Appendix A of the BDAR (Appendix F)</p>

SEARs Compliance table

Supplementary SEARs requirement	Where addressed in this EIS
viii. details of the offset package to compensate for significant residual impacts including details of the credit profiles required to offset the action in accordance with the BAM and/or mapping and descriptions of the extent and condition of the relevant habitat and/or threatened communities occurring on proposed offset sites.	
18. Any significant residual impacts not addressed by the BAM may need to be addressed in accordance with the EPBC Act 1999 Environmental Offset Policy. https://www.dcceew.gov.au/environment/epbc/publications/epbc-act-environmental-offsets-policy .	The need for biodiversity offsets and a biodiversity offset strategy are discussed in Sections 13 of the BDAR (Appendix F) and summarised in Section 6.1.9
Other approvals and conditions	
19. Information in relation to any other approvals or conditions required must include the information prescribed in Schedule 4 Clause 5 (a) (b) (c) and (d) of the EPBC Regulations.	Other approvals for the Project are documented in Table 4.1
Environmental Record of person proposing to take the action	
Information in relation to the environmental record of a person proposing to take the action must include details as prescribed in Schedule 4 Clause 6 of the EPBC Regulations.	Table A-5
Information Sources	
21. For information given in an EIS, the EIS must state the source of the information, how recent the information is, how the reliability of the information was tested; and what uncertainties (if any) are in the information.	References are provided in Chapter 8. The technical assessments have been prepared by suitably qualified specialists in accordance with relevant NSW and Commonwealth guidelines.
Appendix A	
Specific risks From the Commonwealth perspective, there are no specific risks associated with the proposed action beyond the potential direct and indirect impacts to threatened species from vegetation clearing, construction and operation.	Noted
Listed threatened species and communities Based on the information in the referral documentation, the location of the action, species records and likely habitat present in the area, there are likely to be significant impacts to: <ul style="list-style-type: none">▪ Gang-gang Cockatoo (<i>Callocephalon fimbriatum</i>) – Endangered	An assessment of the potential impacts of the Project on species listed under the EPBC Act is provided in the BDAR (Appendix F)

SEARs Compliance table

Supplementary SEARs requirement	Where addressed in this EIS
<ul style="list-style-type: none"> Greater Glider, southern and central (<i>Petauroides volans</i>) – Endangered Grey-headed Flying Fox (<i>Pteropus poliocephalus</i>) – Vulnerable. <p>Additionally, there is some risk that there may be significant impacts on the following matters and further assessment to determine if the communities and species listed below are present in the proposed action area and, if so, the extent to which they may be impacted by the proposed action, is required:</p> <ul style="list-style-type: none"> South-eastern Glossy Black-Cockatoo (<i>Calyptorhynchus lathami lathami</i>) – Vulnerable Eastern Bristlebird (<i>Dasyornis brachypterus</i>) – Endangered Yellow Gnat-orchid (<i>Genoplesium baueri</i>) – Endangered <i>Helichrysum calvertianum</i> – Vulnerable Leafless Tongue-orchid (<i>Cryptostylis hunteriana</i>) – Vulnerable. <p>Further analysis of the impacts of the fires on those species and communities identified above should be undertaken during the assessment.</p>	and summarised in Section 6.1

Table A-5 Environment Protection and Biodiversity Conservation Regulations 2000 checklist

Requirements under Schedule 4 – Matters to be addressed by draft public environment report and environmental impact statement	Where addressed in this EIS
1 General information	
1.01 The background of the action including:	EIS declaration
(a) the title of the action;	
(b) the full name and postal address of the designated proponent;	EIS declaration
(c) a clear outline of the objective of the action;	Section 1.2
(d) the location of the action;	EIS declaration
(e) the background of the development of the action;	Section 1.2
(f) how the action relates to any other actions (of which the proponent should reasonably be aware) that have been, or are being, taken or that have been approved in the region affected by the action;	Section 6.15
(g) the current status of the action;	Chapter 1
(h) the consequences of not proceeding with the action	Section 2.1
2 Description	
2.01 A description of the action, including:	Chapter 3
(a) all the components of the action;	
(b) the precise location of any works to be undertaken, structures to be built or elements of the action that may have relevant impacts;	Section 2.4, Table 3-1, and Section 3.3
(c) how the works are to be undertaken and design parameters for those aspects of the structures or elements of the action that may have relevant impacts;	Chapter 3
(d) relevant impacts of the action;	Chapter 6 and technical reports

SEARs Compliance table

Requirements under Schedule 4 – Matters to be addressed by draft public environment report and environmental impact statement	Where addressed in this EIS
	provided in the appendices
(e) proposed safeguards and mitigation measures to deal with relevant impacts of the action;	Section 6.1.8 and Appendix E
(f) any other requirements for approval or conditions that apply, or that the proponent reasonably believes are likely to apply, to the proposed action;	Table 4-1
(g) to the extent reasonably practicable, any feasible alternatives to the action, including:	Section 2.5
(i) if relevant, the alternative of taking no action;	
(ii) a comparative description of the impacts of each alternative on the matters protected by the controlling provisions for the action;	
(iii) sufficient detail to make clear why any alternative is preferred to another;	
(h) any consultation about the action, including:	Chapter 5
(i) any consultation that has already taken place;	
(ii) proposed consultation about relevant impacts of the action;	
(iii) if there has been consultation about the proposed action—any documented response to, or result of, the consultation;	
(i) identification of affected parties, including a statement mentioning any communities that may be affected and describing their views.	Chapter 5
3 Relevant impacts	
3.01 Information given under paragraph 2.01(d) must include:	Section 6.1 and Appendix F
(a) a description of the relevant impacts of the action;	
(b) a detailed assessment of the nature and extent of the likely short term and long term relevant impacts;	
(c) a statement whether any relevant impacts are likely to be unknown, unpredictable or irreversible;	
(d) analysis of the significance of the relevant impacts;	
(e) any technical data and other information used or needed to make a detailed assessment of the relevant impacts.	
4 Proposed safeguards and mitigation measures	
4.01 Information given under paragraph 2.01(e) must include:	Consideration of effectiveness of mitigation measures is included in Table 10-1 of Appendix F.
(a) a description, and an assessment of the expected or predicted effectiveness of, the mitigation measures;	
(b) any statutory or policy basis for the mitigation measures;	Sections 6.1.1 considers the statutory and Policy Basis for the relevant impact of the Project being threatened species and

SEARs Compliance table

Requirements under Schedule 4 – Matters to be addressed by draft public environment report and environmental impact statement	Where addressed in this EIS
	ecological communities.
(c) the cost of the mitigation measures;	A report by a suitably qualified person will be provided with the EIS to DPE and include estimated costs of all environmental mitigation.
(d) an outline of an environmental management plan that sets out the framework for continuing management, mitigation and monitoring programs for the relevant impacts of the action, including any provisions for independent environmental auditing;	Appendix E
(e) the name of the agency responsible for endorsing or approving each mitigation measure or monitoring program;	
(f) a consolidated list of mitigation measures proposed to be undertaken to prevent, minimise or compensate for the relevant impacts of the action, including mitigation measures proposed to be taken by State governments, local governments or the proponent.	
5 Other approvals and conditions	
5.01 Information given under paragraph 2.01(f) must include:	Chapter 4
(a) details of any local or State government planning scheme, or plan or policy under any local or State government planning system that deals with the proposed action, including:	
(i) what environmental assessment of the proposed action has been, or is being, carried out under the scheme, plan or policy;	Chapter 4
(ii) how the scheme provides for the prevention, minimisation and management of any relevant impacts;	
(b) a description of any approval that has been obtained from a State, Territory or Commonwealth agency or authority (other than an approval under the Act), including any conditions that apply to the action;	Not applicable
(c) a statement identifying any additional approval that is required;	Table 4-1
(d) a description of the monitoring, enforcement and review procedures that apply, or are proposed to apply, to the action.	Not applicable
6 Environmental record of person proposing to take the action	
6.01 Details of any proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against:	There are no past or present proceedings against Origin Energy Eraring P/L.
(a) the person proposing to take the action; and	
(b) for an action for which a person has applied for a permit, the person making the application.	Not applicable

SEARs Compliance table

Requirements under Schedule 4 – Matters to be addressed by draft public environment report and environmental impact statement	Where addressed in this EIS
6.02 If the person proposing to take the action is a corporation—details of the corporation's environmental policy and planning framework.	Appendix E
7 Information sources	
7.01 For information given in a draft public environment report or environmental impact statement, the draft must state: (a) the source of the information; and	Chapter 8
(b) how recent the information is; and	Chapter 8
(c) how the reliability of the information was tested; and	Assessment methodologies are provided in Sections 6.1.2, 6.2.2, 6.3.2, 6.4.2, 6.5.2, 6.6.2, 6.7.2, 6.8.2, 6.9.2, 6.10.2, 6.11.2, 6.12.2, 6.13.2, 6.14.2, 6.15.2.
(d) what uncertainties (if any) are in the information.	The actions proposed to deal with any uncertainties are provided in Section 3.2 and adaptive management measures provided in Appendix E. The technical assessments have been prepared by suitably qualified specialists in accordance with relevant NSW and Commonwealth guidelines.