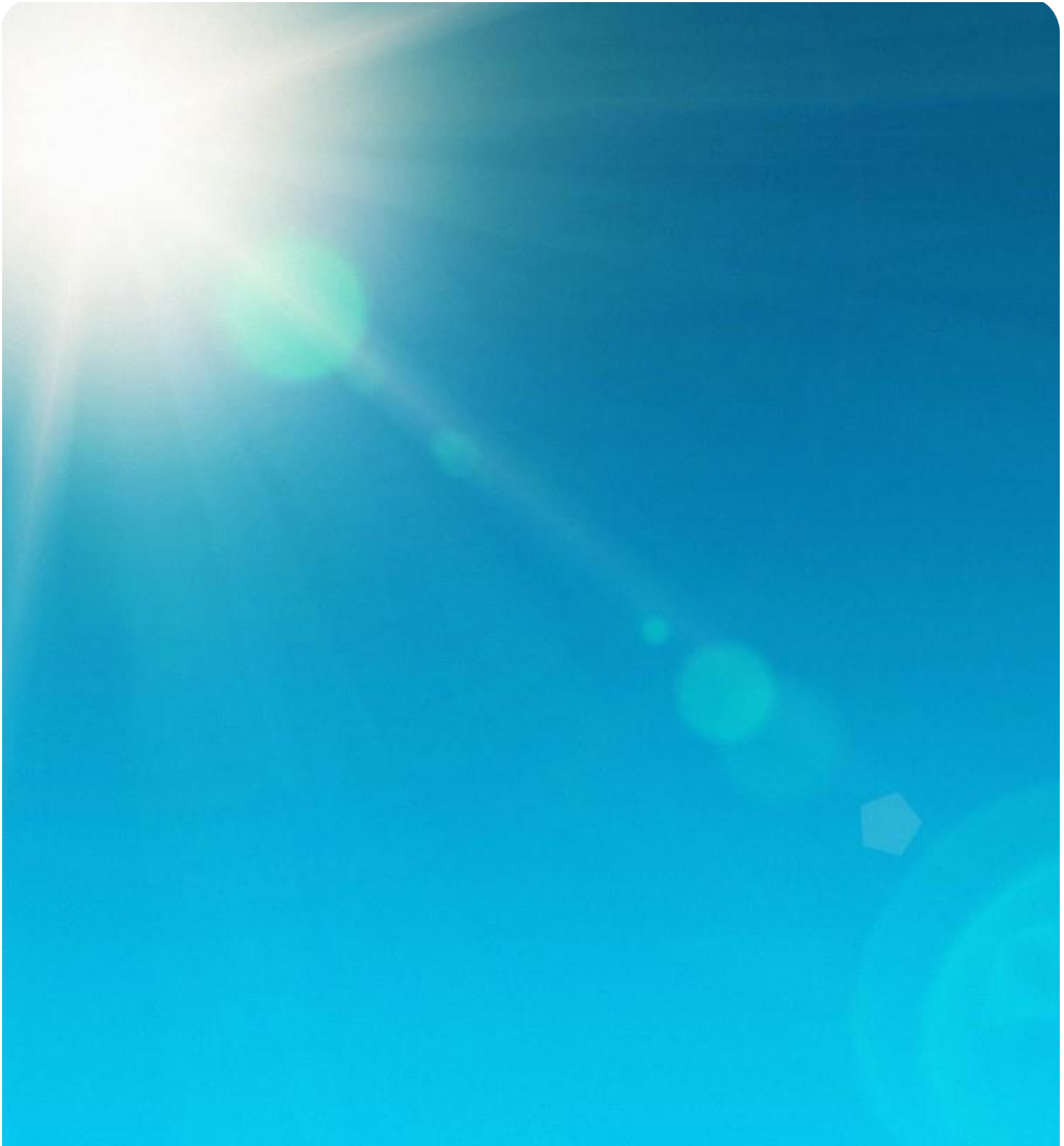


March 2022

Appendix A – EIS Terms of Reference Cross-Reference Table

Australia-Asia PowerLink Environmental Impact Statement



Section	Topic	Information required	Chapter	Section	Notes
Intro	Summary of draft EIS	The summary should be written as a stand-alone document, able to be provided on request to interested parties who may not wish to read the full EIS. The summary should provide the following at a minimum: • a clear and concise overview of the proposal, including key components and activities, lifespan, closure outcomes and intended future use of the site	Exec sum		
Intro	Summary of draft EIS	• an explanation of the approvals process and function of the EIS	Exec sum		
Intro	Summary of draft EIS	• a summary of the site selection process and alternatives considered	Exec sum		
Intro	Summary of draft EIS	• an overview of the existing environment including location of the nearest sensitive receptors	Exec sum		
Intro	Summary of draft EIS	• a summary of the environmental impacts of the proposal	Exec sum		
Intro	Summary of draft EIS	• summary of measures to avoid, mitigate and, if applicable, offset potential impacts of the proposal.	Exec sum		
Intro	Proposal description	Provide a clear description of the proposal and the full scope of works for which approval is sought. It should include; a summary table listing the key physical components of the proposal • maps, figures, images, diagrams and flow charts	1	1.3	
Intro	Proposal description	• any variations or modifications to the proposal since the referral information was submitted	2		Included in each AAPowerLink component section where required
Intro	Proposal description	• where there is uncertainty in the detailed design, footprint, capacity or life of the proposal, the approach to resolving this uncertainty should be clearly explained and the maximum extent for each parameter provided.	2		Included in each AAPowerLink component section where required
Intro	Proponent	Provide background to the proponent, including information on the environmental history of the proponent and its compliance with state/territory and Commonwealth environmental approval conditions. Outline any partnerships with other organisations or industries as part of the proposal.	1	1.1 1.2	
Intro	Objectives of the Proposal	State the rationale and justification for the proposal, considering social, economic and other environmental benefits and costs to the NT, in particular to local and regional communities, during the life of the proposal. List the key objectives of the proposal and include a description of how the proposal meets these objectives. The proponent should demonstrate in the draft EIS how the objectives of a proposal address the specific requirements of sections 42 and 43 of the EP Act.	1	1.4	
Intro	Statutory framework	The EIS must provide information on the statutory framework including a description of any permits, consents, or other approvals that will be required from Northern Territory or Commonwealth agencies and/or authorities. While the proposal components within Singaporean and Indonesian jurisdictions are outside of the scope of the EIS, summarise the assessment and approval processes for these components.	1	1.6	
		The description of the proposal must include, but not be limited to, detailed maps and graphic illustrations of: • the location and dimensions of existing disturbance, infrastructure, roads/tracks and natural and modified landforms (including a depiction of these overlaid on aerial photos or high-resolution satellite imagery) within the proposal area • the location and approximate dimensions of areas to be disturbed, structures to be built or repurposed, including (where applicable): o all areas to be cleared or disturbed o solar farm and electrical infrastructure, including cables			

Section	Topic	Information required	Chapter	Section	Notes
Construction and operation	Site layout maps	<ul style="list-style-type: none"> o access roads, rail, airstrip and service infrastructure o water storage, stormwater and drainage infrastructure o buildings, structures and laydown areas o borrow areas o hazardous waste storage areas o other significant infrastructure <ul style="list-style-type: none"> • the proposal layout in relation to environmental values and existing infrastructure (e.g. roads, cables, shipping channels, railway and pipelines). <p>The boundaries of the proposal area in relation to any overlapping or adjacent licenses and permits (mineral, petroleum or other); and any other interests in land including native title (claims or determined), Aboriginal freehold land, and pastoral land.</p>	2	2.1	
Construction and operation	Design	Describe design options considered, including alternative configurations of the solar farm, reasons for selection of preferred design options, and how the proposed design avoids and/or mitigates environmental constraints and potential impacts and risks to the surrounding environment.	2	2.4.2 2.5.2 2.6.2 2.7.2 2.8.2	
Construction and operation	Design	Outline any site/route selection processes that have been undertaken, any alternatives considered, and justify why the proposed site/route was selected. Outline and justify any trade-offs in the site/route selection. Site/route selection should consider the potential for disruption or damage to existing infrastructure or prevent the construction of other planned infrastructure, particularly where design of the proposal intends to share existing corridors.	2	2.4.2 2.5.2 2.6.2 2.7.2 2.8.2	
Construction and operation	Design	Describe how the proposal has been designed, or allows for, adaptation to a changing climate e.g., capacity and efficiency of water facilities to allow for potential increase in evaporation and/or large rainfall events.	2	2.9	
Construction and operation	Construction	Describe all elements of the construction phase including: -construction methods and any limitations of these in the area of the proposal. Where multiple alternatives exist, the choice of the preferred option(s) should be clearly explained, and a comparison provided against other options in terms of potential environmental impacts	2	2.4.4 2.5.4 2.6.4 2.7.3 2.8.4 2.1	
Construction and operation	Construction	Describe the following. - equipment and machinery required - construction materials required – major types, quantities, qualities, sources, storage requirements and potential hazards - available and potential sources of fill / borrow material	2	2.4 2.5 2.6 2.7 2.8	
Construction and operation	Construction	an overview of water quality of any controlled discharge (including targets in accordance with ANZG (2018) or otherwise), location of the discharge point/s, and schedule for the discharge timeframes	17	17.2.5.3	Table 17-4
Construction and operation	Construction	any new ancillary infrastructure and upgrades required to service the proposal, including supply of electricity, road access and rail sidings	2	2.1 2.4 2.5 2.6	

Section	Topic	Information required	Chapter	Section	Notes
Construction and operation	Construction	water requirements and sources (include a water balance)	6	6.3 6.4.2 6.4.3	Water balance not required
Construction and operation	Construction	waste classification and management, including drill muds from horizontal directional drilling (HDD)	17	17.2.5.3	Table 17-11
Construction and operation	Construction	controls to prevent creation of biting insects habitat	17	17.2.5.3	Table 17-14
Construction and operation	Construction	applicable legislation, guidelines and standards	1 17	1.6 17.1	relevant policies and guidelines included at the beginning of each chapter
Construction and operation	Construction	Env management for: Erosion and sediment control	17	17.2.5.3	Table 17-2, Table 17-6
Construction and operation	Construction	Env management for: water capture, use and management including stormwater drainage	17	17.2.5.3	Table 17-4, Table 17-5, Table 17-6
Construction and operation	Construction	Env management for: Biosecurity measures to address weeds, feral animals and other pests	17	17.2.5.3	Table 17-3, Appendix Q Weed Management Plan
Construction and operation	Construction	Env management for: Controls to avoid spills/discharged from vessels to marine environment	17	17.2.5.3	Table 17-7
Construction and operation	Construction	Env management for: waste management	17	17.2.5.3	Table 17-11
Construction and operation	Construction	Env management for: air quality management	17	17.2.5.3	Table 17-9
Construction and operation	Construction	Env management for: maintenance of components and servicing infrastructure	17	17.2.7	
Construction and operation	Construction	Env management for: noise and vibrations management (onshore and offshore, including noise from drilling activities, and underwater noise).	17	17.2.5.3	Table 17-18, Table 17-14
Construction and operation	Operation	Describe all onshore and offshore elements of the proposed operation including: environmental management of all aspects of the proposed operation with detailed maps, diagrams and facility design specifications and standards where relevant, including:	2	2.4 2.5 2.6 2.7 2.8	
Construction and operation	Operation	o erosion and sediment control	17	17.1 17.4	
Construction and operation	Operation	o water requirements and sources (provide a water balance)	6	6.3 6.4.2 6.4.3	Water balance not required
Construction and operation	Operation	o water management including stormwater drainage biosecurity measures	17	17.2.5.3	Table 17-4, Table 17-5, Table 17-6
Construction and operation	Operation	o waste management, including disposal/recycling of expended solar panels and batteries, and containment and disposal of contaminated wastewater and solids with details of pits, bunds, treatment and recycling	17	17.2.5.3	Table 17-11
Construction and operation	Operation	o weed management	17	17.2.5.3	Table 17-3, Appendix Q Weed Management Plan
Construction and operation	Operation	o air quality management, including containment of dust	17	17.2.5.3	Table 17-9

Section	Topic	Information required	Chapter	Section	Notes
Construction and operation	Operation	o ongoing maintenance of onshore and offshore components and servicing of infrastructure	17	17.4.1	
Construction and operation	Operation	o noise and vibration management (onshore and offshore)	17	17.2.5.3	Table 17-18, Table 17-14
Construction and operation	Operation	o applicable legislation, guidelines, and standards.	1 17	1.5 17.1	
Construction and operation	Operation	any feasible operation alternatives including alternatives for land management at the solar farm precinct (e.g. inclusion of grazing). Where multiple alternatives exist, the choice of the preferred option(s) should be clearly explained, and a comparison provided against other options in terms of potential environmental impacts.	2	2.11.2	Current vegetation management trials are being progressed at Powell Creek Station to investigate ground cover and land management options.
Construction and operation	Transport and traffic	Describe traffic and transport activities during construction and operation including but not limited to: <ul style="list-style-type: none"> • proposed transport methods including rail, marine vessel and road freight • forecast vehicle/vessel movements including type, size, volume and frequency of movements • details on access, routes, vehicle/vessel types, volumes of traffic • details of rail use and proposed rail siding. • social infrastructure, community and people will refer to any stakeholder perceptions of impacts, impacts on other land users, safety issues. 	2	2.4.4 2.5.4 2.6.4 2.7.3 2.8.4	Appendix K Traffic Impact Statement
Construction and operation	Energy	Provide relevant information with respect to energy during construction and operation including but not limited to: <ul style="list-style-type: none"> • energy requirements and sources • consideration of renewable sources of energy and justification of selected options • estimate of the greenhouse gases emissions and savings • measures to maximise energy efficiency and avoid and/or reduce greenhouse gas emissions consistent with the NT Government’s target of achieving net zero greenhouse gas emissions by 2050. 	12		Appendix H Carbon Study and GHG Abatement Plan, Appendix G Economic Assessment
Construction and operation	Workforce	Provide a summary for each phase of the proposal, of the: <ul style="list-style-type: none"> • estimated number of people to be employed • skills base required • likely sources (local, regional, overseas) • on-site facilities provided (including any accommodation). 	2 13	2.1 13	Appendix I SIA, Appendix Y Industry Capability Network (NT) Report
Rehabilitation and closure	Rehabilitation and closure	This section should outline the planned rehabilitation and decommissioning of infrastructure and establish decommissioning objectives and goals. It should include: <ul style="list-style-type: none"> - an overview of the pre-proposal environment and land use - proposal lifespan - procedures for decommissioning and rehabilitation planning including stakeholder engagement - the biological, cultural, economic and social viability of options for decommissioning, removal and disposal of infrastructure and components, including implications of solar panels’ disposal at the end of the proposal’s life - proposed rehabilitation measures including rehabilitation objectives and completion criteria, and proposed monitoring - the proposed land use after closure (including alternatives). 	2 17	2.12 17.4.2	

Section	Topic	Information required	Chapter	Section	Notes
Environmental factors	Environmental factors	<p>The draft EIS for the proposal should address how each of the below factors may be impacted by the relevant component of the proposal. While it is for the NT EPA to decide whether potential impacts are significant, the draft EIS should consider the significance of the identified potential impacts with reference to <i>section 11 of the EP Act</i> and significant impact guidelines for MNES.</p> <p>A proposal footprint (direct disturbance) and area of influence (indirect disturbance) are to be established to identify the aspects of the environment (under each environmental factor) and the specific environmental values that could be impacted by implementation of the proposal. Consideration should be given to impacts associated with normal operations, abnormal operations, unplanned shutdowns of part or all of the proposal, and emergency shutdowns of part or all of the proposal.</p>	3		
Environmental factors	Environmental factors	Terrestrial environmental quality	4		
Environmental factors	Environmental factors	Terrestrial ecosystems	5		
Environmental factors	Environmental factors	Hydrological processes	6		
Environmental factors	Environmental factors	Inland water environmental quality	7		
Environmental factors	Environmental factors	Aquatic ecosystems	8		
Environmental factors	Environmental factors	Marine environmental quality	9		
Environmental factors	Environmental factors	Marine ecosystems	10		
Environmental factors	Environmental factors	Air quality	11		
Environmental factors	Environmental factors	Atmospheric processes	12		
Environmental factors	Environmental factors	Community and economy	13		
Environmental factors	Environmental factors	Culture and heritage	14		
Environmental factors	Environmental factors	Human health	15		
Terrestrial environmental quality	Environmental values	<p>Describe the soil/sediment characteristics of the area of influence for the proposal with consideration of the following aspects as appropriate:</p> <ul style="list-style-type: none"> the presence of contamination and/or acid sulfate soils 	4	4.3	
Terrestrial environmental quality	Environmental values	<ul style="list-style-type: none"> physical and chemical properties of the soil (including erosivity, fertility) 	4	4.3	Fertility only addressed at the solar precinct.
Terrestrial environmental quality	Environmental values	<ul style="list-style-type: none"> existing erosion and other disturbances 	4	4.3	
Terrestrial environmental quality	Environmental values	<ul style="list-style-type: none"> Provide detailed maps to support these descriptions. 	4	4.3	

Section	Topic	Information required	Chapter	Section	Notes
Terrestrial environmental quality	Environmental values	<ul style="list-style-type: none"> Provide results and interpretation of any geotechnical and soil investigations and surveys of the area of influence and an assessment of the suitability of sites for each relevant proposal component. 	4	4.3	
Terrestrial environmental quality	Potential impacts and risks	Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including: <ul style="list-style-type: none"> direct disturbance of landforms and soils from earthworks during construction 	4	4.4	
Terrestrial environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> indirect disturbance from project construction, such as erosion/topsoil migration 	4	4.4.2.1 4.4.3.1	
Terrestrial environmental quality	Potential impacts and risks	direct disturbance to the tidal zone as a result of construction of the land sea joint/shore crossing and potential for disturbance to associated ecological and hydrological values during project construction and operation	4	4.4.2.1	
Terrestrial environmental quality	Potential impacts and risks	leaks of hazardous materials from batteries, transformers or other infrastructure installed at the solar farm precinct and Darwin VSC, or from vehicles	4	4.4.2.2 4.4.3.2	
Terrestrial environmental quality	Potential impacts and risks	contamination of soils due to the disturbance of acid sulfate soils.	4	4.4.2.3 4.4.3.3	Proposed ASS MP
Terrestrial environmental quality	Potential impacts and risks	Determine the areas that could feasibly experience those impacts. Classify the areas as: <ul style="list-style-type: none"> - proposal footprint – or direct disturbance footprint. These are the areas of proposed infrastructure, vegetation clearing and direct use. - area of influence – or indirect disturbance footprint. These are surrounding areas that may be indirectly affected by proposed activities, for example via the release of contaminants (air, water, land), changes to land, water etc. 	4	4.4.1	
Terrestrial environmental quality	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to terrestrial environmental quality utilising outcomes of investigations and other relevant information. As a minimum, the assessment should take into consideration: <ul style="list-style-type: none"> scope, methods, equipment, timing and frequency 	4	4.4	
Terrestrial environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> potential contaminants/pollutants including breakdown products 	4	4.4	
Terrestrial environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> cumulative impacts with other industries or proposals 	4	4.7	
Terrestrial environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> reversibility of potential impacts. 	4	4.4 4.5	
Terrestrial environmental quality	Potential impacts and risks	The assessment must identify potential impacts and risks to terrestrial environmental quality and quantify their significance. Consideration should be given to any policies, procedures and plans relevant to environmental values within the proposal footprint and area of influence.	4	4.4	
Terrestrial environmental quality	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>section 26 (Environmental decision-making hierarchy)</i> and <i>section 27 (Waste management hierarchy)</i> of the EP Act . Also include here measures to enhance or restore environmental quality. These should address at a minimum: <ul style="list-style-type: none"> - facility design and layout 	4	4.5	
Terrestrial environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> erosion and sediment control 	4	4.5	

Section	Topic	Information required	Chapter	Section	Notes
Terrestrial environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> stormwater 	4	4.5	
Terrestrial environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> acid sulfate soil management (if present) 	4	4.5	
Terrestrial environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> emergency/hazard/spill response management 	4	4.5	
Terrestrial environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> end-of-life solar panel and battery management 	17	17.4.2	Relevant to multiple chapters so addressed in Chapter 17
Terrestrial environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> compliance with any statutory or policy basis for the proposed measures. 	4	4.5	
Terrestrial environmental quality	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal, with reference to the NT policy <i>Northern Territory Climate Change Response: Towards 2050 (DENR 2020)</i> and <i>Climate Change in the Northern Territory: State of the science and climate change impacts (NESP ESCC Hub 2020)</i> .	2	2.9	Relevant to multiple chapters so addressed in Chapter 2
Terrestrial environmental quality	Monitoring and reporting	Outline proposed monitoring and reporting activities related to potential impacts and risks, and mitigation and management measures. The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations. All monitoring activities should be substantiated and in accordance with best practice including advice from relevant NTG advisory agencies.	4	4.5	
Terrestrial environmental quality	Residual impact	Assess the significance of any residual impact or risk of the Proposal to identified values	4	4.6	
Terrestrial environmental quality	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and the <i>EPBC Act environmental offsets policy</i>	4	4.8	
Terrestrial ecosystems	Environmental values	Describe the terrestrial ecosystems of the proposal footprint and area of influence with detail on vegetation communities (vegetation mapping to at least NVIS level 4 or higher for key infrastructure precincts), flora species and fauna species, detailing communities and species of regional and national significance, and pest and exotic species.	5	5.3.2 5.3.3 5.3.4	
Terrestrial ecosystems	Environmental values	The known, likely and potential presence of threatened ecological communities and species (identified in preliminary terrestrial ecology studies for the proposal and Protected Matters Search Tool (PMST) as target species) under the <i>EPBC Act</i> must be described.	5	5.3.2 5.3.3 5.3.4	
Terrestrial ecosystems	Environmental values	The known and potential presence of threatened ecological communities and species (identified as target species in preliminary terrestrial ecology studies for the proposal) under the <i>Territory Parks and Wildlife Conservation Act 1976 (TPWC Act)</i> must be described.	5	5.3.2 5.3.3 5.3.4	
Terrestrial ecosystems	Environmental values	The likely occurrence of listed migratory species associated with Lake Woods must be described.	5	5.3.2.4	Appendix O Terrestrial Ecology Report
Terrestrial ecosystems	Environmental values	Describe how flora and fauna surveys were designed to determine the presence or absence of threatened species	5	5.3 5.5	Appendix O and P Terrestrial Ecology Reports
Terrestrial ecosystems	Environmental values	Existing condition of habitat and vegetation communities should also be described along with any existing threatening processes	5	5.3.2 5.3.3	Appendix O and P Terrestrial Ecology Reports

Section	Topic	Information required	Chapter	Section	Notes
Terrestrial ecosystems	Potential impacts and risks	Describe potential impacts to the NT EPA’s environmental objective associated with the proposed construction and operation activities and development, including: <ul style="list-style-type: none"> • direct loss of flora/ecological communities from vegetation clearing and ongoing maintenance (e.g. fire and vegetation management) including significant and sensitive habitats and potential habitats for threatened species listed under <i>TPWC Act</i> and <i>EPBC Act</i> . Provide an overview of the extent (ha) of the loss in table and map format 	5	5.3.4 5.4.2.1 5.4.2.2 5.4.2.5	Ecology reports
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • indirect disturbance or degradation of flora and vegetation, possibly resulting in a long-term decline or loss over time, for example from erosion, dust, weeds/pathogens, shading from solar panels, disturbance of acid sulfate soils, etc. 	5	5.4.2.3 5.4.2.4 5.4.2.8 5.4.3.3 5.4.3.4	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • introduction or increase of weed and pest species due to construction, operation or maintenance activities 	5	5.4.2.4 5.4.3.1	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • changes in bushfire risk (fire frequency and intensity) due to vegetation clearing and weeds 	5	5.4.2.5	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • direct disturbance of fauna and fauna habitat as a result of clearing 	5	5.4.2.6	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • indirect impacts to fauna habitat due to changes to water quality, introduction or spread of weed or pathogens or pest species, fragmentation and edge effects 	5	5.4	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • indirect impacts to fauna as a result of reduced habitat availability or fragmentation 	5	5.4.2.7	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • direct impacts to fauna as a result of collision with overhead transmission lines 	5	5.4.3.2	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • direct impacts to fauna as a result of collision with vehicles or equipment, including solar panels 	5	5.4.3.2	
Terrestrial ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • changes to fauna behaviours as a result of noise or lighting from proposal areas, including potential glare from solar panels or the ‘lake effect’ (solar farm mistaken for a water body) 	5	5.4.3.4	
Terrestrial ecosystems	Potential impacts and risks	Determine the areas that could feasibly experience those impacts. Classify the areas as: <ul style="list-style-type: none"> • proposal footprint – or direct disturbance footprint (proposal footprint). These are the areas of proposed infrastructure, vegetation clearing and direct use • area of influence – or indirect disturbance footprint. These are surrounding areas that may be indirectly affected by proposed activities, for example via the release of contaminants (air, water, land), changes to land, water etc. 	5	5.4.1	
Terrestrial ecosystems	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to terrestrial ecosystems utilising outcomes of investigations and other relevant information. As a minimum, the assessment should take into consideration:	5	5.4	

Section	Topic	Information required	Chapter	Section	Notes
Terrestrial ecosystems	Impacts and risks	<ul style="list-style-type: none"> • methods, equipment, timing and frequency • potential contaminants/pollutants. 			
Terrestrial ecosystems	Avoidance, mitigation and management	<p>Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision-making hierarchy) and section 27 (Waste management hierarchy) of the EP Act</i> . Also include here measures to enhance or restore environmental quality. These should address at a minimum:</p> <ul style="list-style-type: none"> • Facility design and layout. 	5	5.6	
Terrestrial ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> • Clearing of native vegetation. 	5	5.6	
Terrestrial ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> • Fauna relocation and management. 	5	5.6	
Terrestrial ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> • Pest/weed/pathogen control and management. 	5	5.6	
Terrestrial ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> • Compliance with any statutory or policy basis for the proposed measures. 	5	5.6	
Terrestrial ecosystems	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	
Terrestrial ecosystems	Monitoring and reporting	<p>Outline proposed monitoring and reporting activities related to potential impacts and risks and mitigation and management measures to terrestrial ecosystems. The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	5	5.6	
Terrestrial ecosystems	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	5	5.7	
Terrestrial ecosystems	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	5	5.9	
Hydrological processes	Environmental values	Describe the environmental values, including; climate and meteorological conditions of the proposal’s area of influence with reference to hydrological regimes, the frequency and severity of extreme weather conditions, such as storms and cyclones	6	6.3.1.1 6.3.2.1 6.3.3.1	
Hydrological processes	Environmental values	<ul style="list-style-type: none"> • surface water catchment systems of the proposal’s area of influence including detail on any waterways of significance, drainage patterns, flow variations and flooding 	6	6.3.1.2 6.3.2.2 6.3.3.2	
Hydrological processes	Environmental values	<ul style="list-style-type: none"> • groundwater systems of relevant proposal areas 	6	6.3.1.3 6.3.2.3 6.3.3.3	
Hydrological processes	Environmental values	<ul style="list-style-type: none"> • any relevant water control districts and water allocation plans 	6	6.3.1.4 6.3.2.4 6.3.3.4	

Section	Topic	Information required	Chapter	Section	Notes
Hydrological processes	Environmental values	<ul style="list-style-type: none"> declared beneficial uses, existing users, water quality objectives and environmental values of water resources in proposal's area of influence 	6	6.3.1.5 6.3.2.5 6.3.3.5	
Hydrological processes	Environmental values	Provide detailed maps to support the above descriptions.	6	6.3	
Hydrological processes	Environmental values	Provide results and interpretation of any hydrological and hydrogeological surveys of the area of influence	6	6.3	
Hydrological processes	Potential impacts and risks	Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including: <ul style="list-style-type: none"> changes to the natural catchment and surface and groundwater hydrology, for example from the creation of hardstand surfaces and other infrastructure through construction and operation of the proposal 	6	6.4.2 6.4.3	
Hydrological processes	Potential impacts and risks	<ul style="list-style-type: none"> localised erosion from ground disturbance and surface water flow changes 	6 4	6.4.2.1 6.4.3.1	
Hydrological processes	Potential impacts and risks	<ul style="list-style-type: none"> groundwater use (including impacts to other groundwater users) 	6	6.4.2.2 6.4.3.2 6.4.3.3	
Hydrological processes	Potential impacts and risks	Determine the proposal footprint and influence that could feasibly experience those impacts.	6	6.4.1	
Hydrological processes	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to hydrological processes utilising outcomes of investigations and other relevant information. As a minimum, the assessment should take into consideration:	6	6.4	
Hydrological processes	Potential impacts and risks	<ul style="list-style-type: none"> methods, equipment, timing and frequency 	6	6.4	
Hydrological processes	Potential impacts and risks	<ul style="list-style-type: none"> cumulative impacts with other industries or proposals 	6	6.6	
Hydrological processes	Potential impacts and risks	<ul style="list-style-type: none"> environmental management requirements associated with seasonal weather, extreme weather conditions such as storms and cyclones for the 2, 10 and 100 year average recurrence interval events 	6	6.4	
Hydrological processes	Potential impacts and risks	<ul style="list-style-type: none"> reversibility of potential impacts 	6	6.4	
Hydrological processes	Potential impacts and risks	The assessment must take into account all construction and operation activities of the proposal. The assessment must identify potential impacts and risks to hydrological processes and quantify their significance: <ul style="list-style-type: none"> against relevant guideline thresholds on the beneficial uses, water quality objectives and identified environmental values including groundwater dependent ecosystems and existing ground and surface water users. 	6	6.4	
Hydrological processes	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision-making hierarchy)</i> and <i>section 27 (Waste management hierarchy)</i> of the EP Act. Also include here measures to enhance or restore environmental quality. These should address at a minimum:	6	6.5 6.8	
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> facility design and layout 	6	6.5	

Section	Topic	Information required	Chapter	Section	Notes
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> water management and efficiency, including stormwater and wastewater management 	17	17.2.5.3	Relevant to multiple chapters, so addressed in Chapter 17 EMP
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> water efficiency 	17	17.2.5.3	
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> waste management including a detailed description of management methods for all types of wastes 	17	17.2.5.3	
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> geomorphic stability 	6 4	6.5 4.5	Addressed in relation to erosion and sediment controls: see also chapter 4
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> erosion and sediment control 	4	4.5	
Hydrological processes	Avoidance, mitigation and management	<ul style="list-style-type: none"> compliance with any statutory or policy basis for the proposed measures 	6	6.5	
Hydrological processes	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	Relevant to multiple chapters, so addressed in Chapter 2
Hydrological processes	Monitoring and reporting	<p>Outline proposed monitoring and reporting activities related to potential impacts and risks and mitigation and management measures to hydrological processes.</p> <p>The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	6	6.5	
Hydrological processes	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	6	6.6	
Hydrological processes	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	6	6.8	
Inland water environmental quality	Environmental values	Describe the water quality (chemical, physical and biological) of surface water and groundwater in the proposal's area of influence.	7	7.3.1 7.3.2 7.3.3	
Inland water environmental quality	Environmental values	Provide detailed maps to support the above descriptions.	7	7.3	
Inland water environmental quality	Environmental values	Provide results and interpretation of any hydrological and hydrogeological surveys of the area of influence.	7	7.3	
Inland water environmental quality	Potential impacts and risks	<p>Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including:</p> <ul style="list-style-type: none"> localised erosion from ground disturbance and surface water flow changes 	7	7.4.2.1 7.4.3.1	

Section	Topic	Information required	Chapter	Section	Notes
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> groundwater treatment 	7	-	The only groundwater treatment which may occur will be chlorination for drinking water supply, which is unlikely to impact environmental water quality. Chlorine has been considered in relation to chemicals which may be stored at site (Sections 7.4.2.2 and 7.4.3.2)
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> contamination from hazardous materials. 	7	7.4.2.2 7.4.3.2	
Inland water environmental quality	Potential impacts and risks	Determine the proposal footprint and area of influence that could feasibly experience those impacts.	7	7.4.1	
Inland water environmental quality	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to inland water environmental quality utilising outcomes of investigations and/or other relevant information. As a minimum, the assessment should take into consideration: <ul style="list-style-type: none"> methods, equipment, timing and frequency 	7	7.4	
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> potential contaminants/pollutants 	7	7.4	
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> cumulative impacts with other industries or proposals. 	7	7.6	
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> environmental management requirements associated with seasonal weather, extreme weather conditions such as storms and cyclones for the 2, 10 and 100 year average recurrence interval events 	7	7.4 2.9	
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> the physical and chemical characteristics, volume, timing and location of any discharges 	7	7.4	
Inland water environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> the reversibility of potential impacts. 	7	7.4 7.5	
Inland water environmental quality	Potential impacts and risks	The assessment must take into account all construction and operation activities of the proposal.	7	7.4	
Inland water environmental quality	Potential impacts and risks	The assessment must identify potential impacts and risks to inland water environmental quality and quantify their significance: <ul style="list-style-type: none"> against relevant guideline thresholds including ANZG 2018 on the beneficial uses, water quality objectives and identified environmental values. 	7	7.4	
Inland water environmental quality	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision-making hierarchy) and section 27 (Waste management hierarchy) of the EP Act</i> . Also include here measures to enhance or restore environmental quality. These should address at a minimum: <ul style="list-style-type: none"> facility design and layout 	7	7.5	

Section	Topic	Information required	Chapter	Section	Notes
Inland water environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> water management and efficiency, including stormwater and wastewater management 	7	7.5	
Inland water environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> waste management including a detailed description of management methods for all types of wastes, including end-of-life panels and batteries 	17	17.4.2	Relevant to multiple chapters so addressed in Chapter 17
Inland water environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> erosion and sediment control 	7	7.5	
Inland water environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> compliance with any statutory or policy basis for the proposed measures. 	7	7.5	
Inland water environmental quality	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	Relevant to multiple chapters so addressed in Chapter 2
Inland water environmental quality	Monitoring and reporting	<p>Outline proposed monitoring and reporting activities related to potential impacts, risks, mitigation and management measures.</p> <p>The proposed monitoring and reporting should specify which proposal phase it relates to, i.e. construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	7	7.5	
Inland water environmental quality	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	7	7.6	
Inland water environmental quality	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	7	7.8	
Aquatic ecosystems	Environmental values	Describe the aquatic ecosystems and groundwater dependent ecosystems in the proposal's area of influence, including a description of Lake Woods and its values.	8	8.3.1 8.3.2 8.3.3	
Aquatic ecosystems	Environmental values	Provide detailed maps to support the above descriptions.	8	8.3.1 8.3.2 8.3.3	
Aquatic ecosystems	Environmental values	Provide results and interpretation of any aquatic ecology surveys of the area of influence.	8	8.3.1 8.3.2 8.3.3	
Aquatic ecosystems	Potential impacts and risks	<p>Describe potential impacts to the NT EPA's environmental objective associated with proposed activities including:</p> <ul style="list-style-type: none"> direct and indirect disturbance to waterways and/or wetlands and associated ecological and hydrological values during proposal construction and operation, including: 	8	8.4.2 8.4.3	
Aquatic ecosystems	Potential impacts and risks	o construction of OHTL towers, where in proximity to waterways/wetlands, e.g. sedimentation, erosion, uncontrolled runoff	8	8.4.2.2	

Section	Topic	Information required	Chapter	Section	Notes
Aquatic ecosystems	Potential impacts and risks	o heat island effects from the solar farm precinct, particularly on the values of Lake Woods.	8	8.4.3.5	
Aquatic ecosystems	Potential impacts and risks	Determine the proposal footprint and area of influence that could feasibly experience those impacts.	8	8.4.1	
Aquatic ecosystems	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to aquatic ecosystems utilising outcomes of investigations and/or other relevant information. As a minimum, the assessment should take into consideration:	8	8.4	
Aquatic ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • methods, equipment, timing and frequency 	8	8.4	
Aquatic ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • cumulative impacts with other industries or proposals 	8	8.7	
Aquatic ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • the reversibility of potential impacts. 	8	8.4	
Aquatic ecosystems	Potential impacts and risks	<p>The assessment must take into account all construction and operation activities of the proposal.</p> <p>The assessment must identify potential impacts and risks to aquatic ecosystems and quantify their significance:</p> <ul style="list-style-type: none"> • against relevant guideline thresholds • on the beneficial uses, water quality objectives and identified environmental values including groundwater dependent ecosystems and existing ground and surface water users. 	8	8.4	
Aquatic ecosystems	Avoidance, mitigation and management	<p>Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision-making hierarchy) and section 27 (Waste management hierarchy) of the EP Act</i> . Also include here measures to enhance or restore environmental quality.</p> <p>These should address at a minimum:</p> <ul style="list-style-type: none"> • facility design and layout 	8	8.5	
Aquatic ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> • erosion and sediment control 	8	8.5	
Aquatic ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> • compliance with any statutory or policy basis for the proposed measures. 	8	8.5	
Aquatic ecosystems	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	Relevant to multiple chapters so addressed in Chapter 2
Aquatic ecosystems	Monitoring and reporting	<p>Outline proposed monitoring and reporting activities related to potential impacts and risks and mitigation and management measures to aquatic ecology.</p> <p>The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	8	8.5	

Section	Topic	Information required	Chapter	Section	Notes
Aquatic ecosystems	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	8	8.6	
Aquatic ecosystems	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	8	8.8	
Marine environmental quality	Environmental values	Describe the water quality (chemical, physical and biological) and sediment characteristics of the marine environment in the proposal's area of influence.	9	9.3.3	
Marine environmental quality	Environmental values	Describe water quality objectives and declared beneficial uses.	9	9.3.4 9.3.5	
Marine environmental quality	Environmental values	Provide results and interpretation on any marine investigations undertaken	9	9.3	Appendix R Marine Modelling, Appendix S Marine Environment Report
Marine environmental quality	Environmental values	Descriptions and interpretation of the environmental values should take into consideration the range of seasonal variation within the proposal footprint and area of influence.	9	9.3	
Marine environmental quality	Potential impacts and risks	Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including: <ul style="list-style-type: none"> temporary impacts to fishing (commercial, recreational, charter, etc...), recreation, industry use of the harbour during construction 	10 13	10.3.4 10.7 13.6.5	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> installation of subsea cables causing increased sedimentation in water column, negatively impacting upon harbour water quality and aquatic environments 	9	9.4.2.1	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> voltage source converter and land-sea joint station development and the potential to produce site run-off, with impacts on water quality in the adjacent harbour 	9	9.4.2.2	VSC at Darwin Converter Site will not result in impacts to marine water quality due to distance from marine waters. Land Sea Joint Station is 300m from the beach and erosion and sediment controls will be implemented to capture and treat site runoff, with no discharge to marine waters. Impacts from Shore Crossing Site assessed in Section 9.4.2.2
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> spills of hazardous materials 	9	9.4.2.4	

Section	Topic	Information required	Chapter	Section	Notes
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> acid sulfate soils 	9	9.4.2.3	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> all direct impacts to seabed from cable laying, anchors, HDD at shore crossing, trenching and rock armouring. 	10	10.4.2.1	Addressed in Chapter 10 - Marine Ecosystems in relation to direct disturbance of benthic habitat
Marine environmental quality	Potential impacts and risks	Determine the proposal footprint and area of influence that could feasibly experience those impacts.	9	9.4.1	
Marine environmental quality	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to marine environmental quality utilising outcomes of investigations and/or other relevant information. As a minimum, the assessment should take into consideration: <ul style="list-style-type: none"> methods, equipment, timing and frequency 	9	9.4	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> the likely scale of disturbance 	9	9.4	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> water management, including stormwater and wastewater management 	9	9.4.2.2	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> erosion and sediment control 	9 17	9.5 17.2.5.3	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> cumulative impacts with other industries or proposals SIA to cover the values of the harbour under cumulative impacts	9	9.6	
Marine environmental quality	Potential impacts and risks	<ul style="list-style-type: none"> reversibility of impacts. 	9	9.4	
Marine environmental quality	Potential impacts and risks	The assessment must identify potential impacts and risks to marine environmental quality and quantify their significance: <ul style="list-style-type: none"> against relevant guideline thresholds. on the beneficial uses, water quality objectives and identified environmental values. 	9	9.4 9.5	
Marine environmental quality	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision-making hierarchy) and section 27 (Waste management hierarchy) of the EP Act</i> . Also include here measures to enhance or restore environmental quality. These should address at a minimum: <ul style="list-style-type: none"> facility design and layout 	9	9.5	
Marine environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> construction/installation methods 	9	9.5	
Marine environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> erosion and sediment control 	9	9.5	

Section	Topic	Information required	Chapter	Section	Notes
Marine environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> marine water management, including ballast water management and marine pest control 	9	9.5	
Marine environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> potential acid sulfate soil management 	9	9.5	
Marine environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> spill response 	9	9.5	
Marine environmental quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> compliance with any statutory or policy basis for the proposed measures. 	9	9.2	
Marine environmental quality	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	Relevant to multiple chapters so addressed in Chapter 2
Marine environmental quality	Monitoring and reporting	<p>Outline proposed monitoring and reporting activities related to potential impacts and risks, and mitigation and management measures.</p> <p>The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	9	9.5	
Marine environmental quality	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	9	9.6	
Marine environmental quality	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	9	9.8	
Marine ecosystems	Environmental values	<ul style="list-style-type: none"> Provide maps and interpretation of regional bathymetry, geology, geomorphology, sediments and seabed features at the local-scale for the area of influence within NT and Commonwealth waters. 	9	9.3.1	This is important context for the Marine Environmental Quality Chapter and so is addressed there.
Marine ecosystems	Environmental values	<ul style="list-style-type: none"> Provide results and interpretation of any marine investigations undertaken in the area of influence to inform the EIS. 	9	9.3.1	
Marine ecosystems	Environmental values	<ul style="list-style-type: none"> Describe the oceanic processes within Darwin Harbour and the offshore proposal area, such as local and regional tides, as well as seasonal current patterns and wave magnitudes. 	9	9.3.1	
Marine ecosystems	Environmental values	<ul style="list-style-type: none"> Describe the marine ecosystems values of the proposal's area of influence, including but not restricted to benthic communities dominated by mangroves, seagrass, macro algae, corals, filter feeders, mixed communities and bare substrates. 	10	10.3.1 10.3.2	
Marine ecosystems	Environmental values	<ul style="list-style-type: none"> Describe any listed or threatened marine species within the proposal's area of influence and the Commonwealth Marine Area, and the habitats they rely on, including (but not limited to) the following list derived from the PMST search: <ul style="list-style-type: none"> - All relevant cetaceans - Dugong - Green turtle - Leatherback turtle 			Appendix T Marine Ecosystems

Section	Topic	Information required	Chapter	Section	Notes
Marine ecosystems	Environmental values	<ul style="list-style-type: none"> - Loggerhead turtle - Flatback turtle - Olive Ridley turtle - Saltwater crocodile - Whale shark - Pristis pristis - Pristis zijsron - Pristis clavata 	10	10.3	Appendix 1 Marine Ecology Report
Marine ecosystems	Environmental values	Describe the existing health/condition/amenity of marine ecosystems in the proposal's area of influence, with reference to threatening processes (e.g. pest species, habitat degradation), noise and vibration, and sedimentation.	10	10.3.3	
Marine ecosystems	Potential impacts and risks	<p>Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including:</p> <ul style="list-style-type: none"> • indirect impacts to fauna habitat (feeding, nursery, epibenthic, infauna, pelagic, water column etc.) due to changes to marine environment, introduction or spread of contaminants or pest species 	10	10.4.2.1 10.4.2.2 10.4.2.3 10.4.2.4 10.4.3.1 10.4.3.2	
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • direct impacts to fauna as a result of collision with vessels or survey and/or construction equipment 	10	10.4.2.5	
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • changes to marine fauna behaviours as a result of electric and magnetic fields (EMF), noise, thermal emissions or lighting from proposal areas 	10	10.4.2.2 10.4.3.2	
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • direct loss of mangrove vegetation (including significant fauna habitat) in Darwin Harbour from cable trenching 	10	N/A	No loss of mangrove vegetation
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • direct disturbance/loss to benthic habitats from survey activities, cable laying (including anchoring, vessel maneuvers and trenching if required) and HDD for subsea cable installation 	10	10.4.2.1 10.4.3.1	
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • indirect disturbances to benthic habitats – sedimentation/erosion from surface runoff. 	10	Multiple sections	
Marine ecosystems	Potential impacts and risks	Determine the proposal footprint and area of influence that could feasibly experience those impacts.	10	10.4.1	
Marine ecosystems	Potential impacts and risks	<p>Provide an assessment of potential impacts, benefits and risks to marine ecosystems utilising outcomes of investigations and/or other relevant information. As a minimum, the assessment should take into consideration:</p> <ul style="list-style-type: none"> • methods, equipment, timing and frequency 	10	10.4	
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • the likely scale, extent of disturbance 	10	10.4	
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> • cumulative impacts with other industries or proposals 	10	10.4	

Section	Topic	Information required	Chapter	Section	Notes
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> environmental management requirements associated with seasonal weather, extreme weather conditions such as storms and cyclones for the 2, 10, and 100 year average recurrence interval events 	2	2.9	Relevant to multiple chapters so addressed in Chapter 2
Marine ecosystems	Potential impacts and risks	<ul style="list-style-type: none"> reversibility of impacts. 	10	10.4	
Marine ecosystems	Potential impacts and risks	The assessment must identify potential impacts and risks to marine ecosystems and quantify their significance: <ul style="list-style-type: none"> against relevant guideline thresholds on the beneficial uses, water quality objectives and identified environmental values. 	10	10.4	
Marine ecosystems	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision-making hierarchy) and section 27 (Waste management hierarchy) of the EP Act</i> . Also include here measures to enhance or restore environmental quality. These should address at a minimum:	10	10.5	
Marine ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> facility design and layout 	10	10.5	
Marine ecosystems	Avoidance, mitigation and management	Construction methods such as: <ul style="list-style-type: none"> erosion and sediment control 	9	9.5	Relevant to chapter 9 so addressed there
Marine ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> potential acid sulfate soil management 	10	10.5	
Marine ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> marine water and sediment management, including ballast water management and marine pest control 	10	10.4.2.3	
Marine ecosystems	Avoidance, mitigation and management	<ul style="list-style-type: none"> compliance with any statutory or policy basis for the proposed measures. 	10	10.5	
Marine ecosystems	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	Relevant to multiple chapters so addressed in Chapter 2
Marine ecosystems	Monitoring and reporting	Outline proposed monitoring and reporting activities related to potential impacts and risks, and mitigation and management measures. The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations. All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.	10	10.5	
Marine ecosystems	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	10	10.6	
Marine ecosystems	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework (as published) and/or EPBC Act environmental offsets policy</i> .	10	10.8	
Air quality	Environmental values	<ul style="list-style-type: none"> Describe the sensitive receivers within and in proximity to the proposal area. 	11	11.3.3	
Air quality	Environmental values	<ul style="list-style-type: none"> Describe the existing air quality environment. 	11	11.3.2	

Section	Topic	Information required	Chapter	Section	Notes
Air quality	Environmental values	<ul style="list-style-type: none"> Describe any sources of emissions which could impact on air quality. 	11	11.3.1	
Air quality	Environmental values	<ul style="list-style-type: none"> Provide maps to support descriptions as appropriate. 	11	11.3	
Air quality	Potential impacts and risks	Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including reduction in local air quality due to the emission of dust and/or diesel exhaust during construction and/or operation of the proposal.	11	11.4	
Air quality	Potential impacts and risks	Determine the proposal footprint and area of influence that could feasibly experience those impacts.	11	11.4.1	
Air quality	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to air quality utilising outcomes of investigations and/or other relevant information. As a minimum, the assessment should take into consideration:	11	1.4	
Air quality	Potential impacts and risks	<ul style="list-style-type: none"> methods, equipment, timing and frequency 	11	11.4	
Air quality	Potential impacts and risks	<ul style="list-style-type: none"> the likely source, scale and extent or emissions 	11	11.4	
Air quality	Potential impacts and risks	<ul style="list-style-type: none"> nature of sensitive receptors 	11	11.4	
Air quality	Potential impacts and risks	<ul style="list-style-type: none"> Amenity impacts of dust 	11	11.4	
Air quality	Potential impacts and risks	<ul style="list-style-type: none"> cumulative impacts with other industries or proposals 	11	11.4	
Air quality	Potential impacts and risks	<ul style="list-style-type: none"> reversibility of potential impacts. 	11	11.4	
Air quality	Potential impacts and risks	The assessment must identify potential impacts and risks to air quality and quantify their significance: <ul style="list-style-type: none"> against relevant guideline thresholds on identified environmental values. 	11	11.4	
Air quality	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above, with consideration of <i>sections 26 (Environmental decision making hierarchy)</i> and <i>section 27 (Waste management hierarchy)</i> of the <i>EP Act</i> . Also include here measures to enhance or restore environmental quality. These should address at a minimum: <ul style="list-style-type: none"> facility design and layout 	11	11.5	
Air quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> construction methods 	11	11.5	
Air quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> emission suppression or management measures 	11	11.5	

Section	Topic	Information required	Chapter	Section	Notes
Air quality	Avoidance, mitigation and management	<ul style="list-style-type: none"> compliance with any statutory or policy basis for the proposed measures. 	11	11.5	
Air quality	Monitoring and reporting	<p>Outline any proposed monitoring and reporting activities related to potential impacts and risks, and mitigation and management measures.</p> <p>The proposed monitoring and reporting should specify which project phase it relates to, i.e. construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	11	11.5	
Air quality	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	11	11.6	
Air quality	Offsets	Where a significant residual impact may remain after applying the environmental decision- making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	11	11.8	
Atmospheric processes	Environmental values	Describe the current energy mix of the NT with reference to greenhouse gas (GHG) emissions and proportion of renewables in use.	12	12.3	
Atmospheric processes	Potential impacts and risks	<p>Describe the proposal's impact on:</p> <ul style="list-style-type: none"> direct GHG emissions due to Scope 1 and Scope 2 emissions (e.g., land clearing, diesel exhaust/etc. during construction and operation) for each financial year (for industrial emissions) and land clearing actions - and for total life of the proposal 	12	12.4.2	
Atmospheric processes	Potential impacts and risks	<ul style="list-style-type: none"> comparison with NT and national emissions 	12	12.4.2	
Atmospheric processes	Potential impacts and risks	<ul style="list-style-type: none"> contribution to the NT target of net zero greenhouse gas emissions by 2050 and broader efforts to reduce global greenhouse gas emissions 	12	12.4.3	
Atmospheric processes	Potential impacts and risks	<ul style="list-style-type: none"> improvements in the supply of renewable energy and meeting NT renewable energy targets. 	12	12.4.3	
Atmospheric processes	Avoidance, mitigation and management	Describe any energy efficiency and mitigation and management measures that will be adopted during the construction and operation phase of the proposal to reduce or minimise GHG emissions and demonstrate best practice.	12	12.5	
Atmospheric processes	Monitoring and reporting	<p>Outline any proposed monitoring and reporting activities related to potential impacts and risks to atmospheric processes, and mitigation and management measures.</p> <p>The proposed monitoring and reporting should specify which proposal phase it relates to, i.e., construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	12	12.5	
Atmospheric processes	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	12	12.6	
Atmospheric processes	Offsets	Where a significant residual impact may remain after applying the environmental decision- making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	12	12.8	
Community and economy	Environmental values	<p>Describe the existing socio-economic profile of the proposal's areas of influence, including reference to:</p> <ul style="list-style-type: none"> key landowners/custodians/stakeholders/communities, and other persons with overlapping or intersecting interests 	13	13.5 13.6	Appendix I SIA

Section	Topic	Information required	Chapter	Section	Notes
Community and economy	Environmental values	<ul style="list-style-type: none"> social values as identified by stakeholders 	13	13.6	
Community and economy	Environmental values	<ul style="list-style-type: none"> demographics, including skills audit of affected communities and workforce characteristics 	13	13.5 13.6	
Community and economy	Environmental values	<ul style="list-style-type: none"> relevant accommodation type and quantity 	13	13.5 13.6	
Community and economy	Environmental values	<ul style="list-style-type: none"> existing and required local businesses relevant to supply chain, construction and operations 	13	13.5 13.6	
Community and economy	Environmental values	<ul style="list-style-type: none"> primary economic characteristics within the proposal area 	13	13.5 13.6.3	
Community and economy	Environmental values	<ul style="list-style-type: none"> primary employment source/s of townships/cities/communities within or in proximity to the proposal area 	13	13.5.2	
Community and economy	Environmental values	<ul style="list-style-type: none"> proximity to existing infrastructure and associated operators (e.g., rail, gas pipeline, cables etc.) 	13	13.5	
Community and economy	Environmental values	<ul style="list-style-type: none"> social amenity and use of the proposal area and adjacent areas for other purposes, including, residential, commercial, industrial, recreational/leisure, tourism, and traditional land use. 	13	13.5 13.6	
Community and economy	Potential impacts and risks	<p>Describe potential impacts to the NT EPA's environmental objective (including net positive benefits, particularly to local communities) associated with the proposed construction and operational activities, including:</p> <ul style="list-style-type: none"> changes to population (local and NT), employment market and businesses and indirect impacts to housing market, community and social services, infrastructure and economy. Inclusion of Sun Cable's Territory Benefit Plan may be included in the EIS to satisfy the consideration of potential impacts and risks relevant to local content 	13	13.6.1	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> social integration of non-local construction personnel during construction 	13	13.6.1	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> direct and indirect impacts to recreational and commercial areas and industries including Lake Woods, Middle Arm peninsula in Darwin Harbour, and offshore areas (e.g. fisheries) 	13	13.5.2.1 13.6.5	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> impacts to waste management facilities, particularly from disposal or recycling of solar panels and batteries during the life of the proposal and following decommissioning 	17	17.2.5.3	Table 17-11
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> changes or restrictions on railway access by local traffic due to transmission line corridor during construction, operation and maintenance 	13	13.6.6	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> changes or restrictions to local traffic due to development of new roads and intersections and construction vehicles resulting in delays or inconvenience to local communities and other road users 	13	13.6.6	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> potential future land use conflicts within the footprint e.g. mineral and petroleum titles 	13	13.6.3	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> visual impact of infrastructure 	13	13.6.6	

Section	Topic	Information required	Chapter	Section	Notes
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> impacts to amenity (e.g. noise and dust) 	13	13.6.6	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> interference with aviation/flight paths and shipping channels (current and planned) 	13	13.6.1	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> economic assessment of the proposal's impact on the NT economy 	13	13.5	Appendix G Economic Assessment
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> details of the financial capacity to implement the proposal and the potential risks to project implementation 	13	13.6.3	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> total contribution to Gross Territory Product and Gross Domestic Product over the economic life of the proposal 	13	13.6.3	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> expected employment and availability of appropriately skilled labour during construction and operation phases of the proposal 	13	13.6.3	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> potential adverse impacts to local and regional industries due to competition for limited skilled labour resources. 	13	13.6.3	Appendix G Economic Assessment
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> use of non-local workforce 	13	13.6.3	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> estimated capital and annual operational expenditure 	13	13.6.3	
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> value of residual infrastructure at end-of-life of the proposal 	Not included	-	Value is of residual infrastructure is currently unknown due to the long project life span (70 years). However, this value does not alter the outcome of the EIA so therefore has not been included.
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> impact on the local and NT energy market and energy prices 	13	13.6.3	Appendix G Economic Assessment
Community and economy	Potential impacts and risks	<ul style="list-style-type: none"> future NT Government infrastructure within utility corridors e.g. future electricity transmission. 	13	13.6.3	
Community and economy	Potential impacts and risks	Provide a social impact assessment including assessment of potential impacts, benefits and risks to communities and the economy utilising modelling, outcomes of investigations, and/or other relevant information.	13	13.6	

Section	Topic	Information required	Chapter	Section	Notes
Community and economy	Potential impacts and risks	The assessment must quantify the significance of potential impacts and risks to communities and the economy.	13	13.6	
Community and economy	Avoidance, mitigation and management	Outline the measures for preferentially avoiding, mitigating, or offsetting adverse impacts, and maximizing benefits identified above.	13	13.7	Appendix J SIMP
Community and economy	Avoidance, mitigation and management	Develop a stakeholder engagement plan and communication strategy.	13	13.7	Appendix J SIMP
Community and economy	Avoidance, mitigation and management	Discuss adaptation to a changing climate including design and resultant viability of the proposal.	2	2.9	
Community and economy	Monitoring and reporting	Outline proposed monitoring and reporting activities related to potential impacts and risks to community and economy, and mitigation and management measures. The proposed monitoring and reporting should specify which project phase it relates to i.e., construction or operations. All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.	13	13.7	Appendix J SIMP
Community and economy	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	13	13.6	
Community and economy	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	13	13.8	
Culture and heritage	Environmental values	Describe the local Aboriginal communities and traditional owners within (or in proximity to) the proposal area and any native title claims.	14	14.3.1	
Culture and heritage	Environmental values	Describe the nature and location of Aboriginal and non-Aboriginal historic cultural heritage sites/values within the proposal area, including: • areas listed on Commonwealth and Northern Territory registers of historic and/or cultural heritage.	14	14.3.1 14.3.2	
Culture and heritage	Environmental values	• a description and location of Aboriginal and non-Aboriginal sites, places or objects of natural, historic or cultural heritage significance, current utilisation and spiritual significance. Information sources should include published archaeological and anthropological information, respective registers, consultations and other research.	14	14.3	Multiple sections
Culture and heritage	Environmental values	• Describe traditional land use or industry within or in proximity to the proposal area (if any).	14	14.3	Multiple sections
Culture and heritage	Potential impacts and risks	Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including: • direct and indirect disturbance to significant Aboriginal cultural heritage sites and values (e.g. artefact scatters, shell middens, earth mounds, quarries, stone arrangements, petroglyphs, rock shelters, rock art, etc.) during construction, operation, and maintenance activities including vegetation clearance, topsoil stripping and subsoil excavation.	14	14.4.4	
Culture and heritage	Potential impacts and risks	• direct and indirect disturbance to traditional and/or contemporary Aboriginal values (including sacred sites) or uses of land (e.g. hunting and ceremonial use) due to construction, operation or maintenance activities	14	14.4.4	

Section	Topic	Information required	Chapter	Section	Notes
Culture and heritage	Potential impacts and risks	<ul style="list-style-type: none"> • direct and indirect disturbance to non-Aboriginal cultural heritage sites and values during project construction, operation, and maintenance activities including vegetation clearance, topsoil stripping and subsoil excavation 	14	14.4.4	
Culture and heritage	Potential impacts and risks	<ul style="list-style-type: none"> • change or permanent land use restrictions in areas of project infrastructure 	14	14.4.4.1	
Culture and heritage	Potential impacts and risks	<ul style="list-style-type: none"> • tangible and intangible impacts to cultural values and landscapes due to cultural connection to country and potential disturbance to flora and fauna, ecosystems, landscapes and landforms from construction, operation or maintenance activities 	14	14.4.4	
Culture and heritage	Potential impacts and risks	<ul style="list-style-type: none"> • details of unexploded ordinance clearance (marine). 	2	2.8.4.1	
Culture and heritage	Potential impacts and risks	Determine the proposal footprint and area of influence that could feasibly experience those impacts.	14	14.4.1	
Culture and heritage	Potential impacts and risks	Provide an assessment of potential impacts, benefits and risks to culture and heritage utilising outcomes of investigations and/or other relevant information.	14	14.4	
Culture and heritage	Potential impacts and risks	The assessment must identify potential impacts and risks to sacred sites, culture and heritage and quantify their significance.	14	14.4	
Culture and heritage	Potential impacts and risks	The assessment of each aspect should consider cumulative impacts and the reversibility of potential impacts.	14	14.4	
Culture and heritage	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above.	14	14.5	
Culture and heritage	Avoidance, mitigation and management	Outline approach to both substantial initial and ongoing consultation and engagement with traditional owners/representatives.	14	14.5	
Culture and heritage	Avoidance, mitigation and management	All mitigation measures should be substantiated and in accordance with best practice, including advice from relevant NTG advisory agencies and traditional owners.	14	14.5	
Culture and heritage	Monitoring and reporting	<p>Outline proposed monitoring and reporting activities related to potential impacts and risks and mitigation and management measures to culture and heritage.</p> <p>The proposed monitoring and reporting should specify which project phase it relates to i.e., construction or operations.</p> <p>All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.</p>	14	14.5	
Culture and heritage	Residual impact	Assess the significance of any residual impact or risk of the proposal to identified values.	14	14.6	
Culture and heritage	Offsets	Where a significant residual impact may remain after applying the environmental decision-making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	14	14.8	

Section	Topic	Information required	Chapter	Section	Notes
Human health	Environmental values	Describe the sensitive human populations in proximity to the proposal area. Provide maps to support descriptions as appropriate.	15	15.3	
Human health	Potential impacts and risks	Describe potential impacts to the NT EPA's environmental objective associated with the proposed construction and operation activities and development, including:	15	15.4	
Human health	Potential impacts and risks	<ul style="list-style-type: none"> human exposure to EMF 	15	15.4.1 15.4.2 15.4.3	
Human health	Potential impacts and risks	<ul style="list-style-type: none"> biting insects, ticks and mites. 	15	15.4.4	
Human health	Potential impacts and risks	FROM MEDICAL ENTOMOLOGY SUBMISSION TO DRAFT ToR	15	15.4.4	
Human health	Potential impacts and risks	<ul style="list-style-type: none"> impact to workers 	15	15.4.5	
Human health	Potential impacts and risks	<ul style="list-style-type: none"> impact of project creating new breeding sites for mosquitoes 	15	15.4.4	
Human health	Potential impacts and risks	<ul style="list-style-type: none"> potential to import dengue mosquito 	15	15.4.4	
Human health	Potential impacts and risks	The assessment should be based on outcomes of investigations and/or other relevant information and quantify the significance of impacts against relevant guideline thresholds.	15	15.4	
Human health	Potential impacts and risks	The assessment of each aspect should consider cumulative impacts and the reversibility of potential impacts.	15	15.7	
Human health	Avoidance, mitigation and management	Outline the measures for avoiding, mitigating, or offsetting impacts identified above. These should address at a minimum: <ul style="list-style-type: none"> facility design and layout 	15	15.5	
Human health	Avoidance, mitigation and management	<ul style="list-style-type: none"> construction/installation methods 	15	15.5	
Human health	Avoidance, mitigation and management	<ul style="list-style-type: none"> facility operations and maintenance. 	15	15.5	
Human health	Monitoring and reporting	Outline proposed monitoring and reporting activities related to potential impacts and risks to human health, and mitigation and management measures, for all phases of the proposal. All monitoring activities should be substantiated and in accordance with best practice advice from relevant NTG advisory agencies.	15	15.5	
Human health	Residual impact	Assess the significance of any residual impact or risk of the proposal human health.	15	15.6	
Human health	Offsets	Where a significant residual impact may remain after applying the environmental decision- making hierarchy, identify offsets and describe how any proposed offset is consistent with the <i>NT Offset Framework</i> (as published) and <i>EPBC Act environmental offsets policy</i> .	15	15.8	
Other		The proposal is a controlled action under the <i>EPBC Act</i> and is being assessed in accordance with an accredited assessment between the NT EPA and the Commonwealth in accordance with the <i>EPBC Act</i> .			

Section	Topic	Information required	Chapter	Section	Notes
Other requirements	MNES	It is expected that the following MNES that are protected under <i>Part 3 of the EPBC Act</i> will need to be addressed: - Listed threatened species and communities (section 18 and 18A)	16	16.3	
Other requirements	MNES	- Listed marine and/or migratory species (sections 20 and 20A)	16	16.4 16.3.2.2	
Other requirements	MNES	- Commonwealth marine environment (sections 23 and 24A), for the proposal component that extends from the edge of territorial waters (3 nautical miles) to the edge of the exclusive economic zone (EEZ).	16	16.5	
Other requirements	MNES	The draft EIS should include the following details	16		
Other requirements	MNES	a list of any matter protected by the controlling provisions that are known or likely to occur within the proposal according to the PMST (using a buffer of 5 km)	16	16.1	
Other requirements	MNES	a list of the relevant policy and guidance for the MNES	16	16.2	
Other requirements	MNES	discussion of the protected matters listed above addressing whether or not the impacts are significant	16	16	
Other requirements	MNES	discussion of protected matters should address uncertainty (where applicable) and in the absence of information about impacts a precautionary approach should be applied and the maximum potential impact assumed	16	16	
Other requirements	MNES	a significant impact assessment for the relevant protected matters using the Significant Impact Guidelines 1.1 to determine the level of significance of the impact on the MNES	16	16.3.2 16.4.2 16.5.2	
Other requirements	MNES	a summary of the impacts (direct, indirect and cumulative) on the MNES and relevant tables and maps	16	16.7	
Other requirements	MNES	description of proposed avoidance and mitigation measures	16	16.6	
Other requirements	MNES	how the mitigation hierarchy has been applied	16	16.6	
Other requirements	MNES	assurance that avoidance, mitigation and management measures are aligned with the requirements of all <i>EPBC Act</i> relevant policy and guidance	16	16.6	
Other requirements	MNES	a summary of whether offsets are required in relation to the MNES and if so, details of the proposed offset and how the offset addresses the Australian Government's <i>Environmental Offset Policy</i> .	16	16.8	
Other requirements	MNES	The draft EIS should address all relevant MNES, including but not limited to the updated record of EPBC listed species in sections 3.2 and 3.7 of these TOR. The draft EIS should explain how the conservation advices of each EPBC listed species that is likely to impacted have been adequately considered, and that the project is not inconsistent with any Threat Abatement Plans, Bioregional Plans or Recovery Plans.	16	16.3 16.4 16.5	
Other requirements	MNES	This includes list - See TOR for list	16	16.3 16.4 16.5	
Other requirements	Whole of environment considerations	Provide a holistic assessment of the impacts of the proposal on the whole of the environment, including a description of the connections and interactions between the environmental factors, and cumulative impacts. Succinctly discuss predicted outcomes in relation to the principles of environment protection and management (as set out in <i>Part 2 of the EP Act</i>) and the NT EPA's environmental objectives.	18		
Other requirements	Offsets	Provide details of an overall offset strategy for the residual impacts on the terrestrial and marine environments. If a requirement for offsets is identified in the draft EIS, details of a draft implementation plan for the offset/s may be required as part of the Supplement to the EIS. Offsets may be required as a condition of any approval under the <i>EPBC Act</i> .	N/A		The EIA did not identify any residual impacts that would require offsets

Section	Topic	Information required	Chapter	Section	Notes
Stakeholder engagement and consultation	Stakeholder engagement and consultation	<p>Proponents have a general duty under <i>section 43 of the EP Act</i> to provide communities that may be affected by a proposal with an opportunity for consultation to assist community understanding of the proposed action and its potential impacts and benefits.</p> <p>The Proponent must engage and consult with stakeholders who are affected by and interested in the Proposal. The Proponent must document the following in the EIS:</p> <ul style="list-style-type: none"> • identified stakeholders 	Appendix I & J		
Stakeholder engagement and consultation	Stakeholder engagement and consultation	<ul style="list-style-type: none"> • the stakeholder consultation undertaken and the outcomes, including decision-making and any adjustments to the proposal as a result of consultation 	Appendix I & J		
Stakeholder engagement and consultation	Stakeholder engagement and consultation	<ul style="list-style-type: none"> • future engagement activities intended during the assessment process and post-approval, including during construction and operation of the proposal. 	Appendix I & J		