

Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Port Hedland Solar Project
Proponent name	Alinta Energy Development Pty Ltd
Short description	The Proposal is to develop a 90 MW AC Solar Facility situated on Unallocated Crown Land near Alinta Energy's existing Port Hedland Power Station. The Proposal consists of a 90 MW AC solar farm and a short (~2 km) transmission connection to the existing Port Hedland Power Station 66 kV switchyard. The Proposal will supply power to the 66 kV Port Hedland power system for which Alinta Energy is the network service provider. Access to the site will be approximately 750 m south of the intersection of Great Northern Highway and Boodarie Station Access Road. The Proposal may be constructed and operated in a staged manner.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Solar Farm <ul style="list-style-type: none">• 90 MW AC solar farm• ~220,000 solar panels• Control room• Access roads• Laydown area• Temporary construction compound	Figure 1	Clearing of no more than 275 ha within the 342.8 ha Solar Development Envelope.
Transmission and Access Approx. 2 km of 66 kV double circuit line from the step-up transformers to the PHPS 66 kV switchyard.	Figure 1	Clearing of no more than 5 ha within the 62.19 ha Transmission Access Corridor Development Envelope.
Construction elements		
Not Applicable		
Operational elements		
Solar Farm	Figure 1	Up to 90 MW
Proposal elements with greenhouse gas emissions		

Construction elements:		
Scope 1	The disturbance of up to 280 ha of vegetation may result in the loss of carbon storage potential in soil and vegetation of approximately 30,800 tCO ² -e.	
Scope 2	There will be no Scope 2 emissions associated with the construction of the Proposal.	
Scope 3	There are no significant ongoing Scope 3 emissions associated with the construction of this Proposal.	
Operation elements:		
Scope 1	There are no significant ongoing Scope 1 emissions associated with the ongoing operation of this Proposal.	
Scope 2	There will be no Scope 2 emissions associated with the operation of the Proposal.	
Scope 3	There are no significant ongoing Scope 3 emissions associated with the ongoing operation of this Proposal.	
Rehabilitation		
Areas temporarily cleared for laydown during the construction phase will be rehabilitated following construction. Final closure and rehabilitation to commence within one year of cessation of operations.		
Commissioning		
There are no environmental impacts specific to commissioning.		
Decommissioning		
Removal of all above surface infrastructure within two years of cessation of operations.		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	30 years
	Construction phase	Approximately 18 months for each stage.
	Operations phase	30 years
	Decommissioning phase	Approximately two years after operations, or subject to terms of Crown Lease.

* Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).