Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Lockyer Conventional Gas Project
Proponent name	Energy Resources Limited, a wholly owned subsidiary of Mineral Resources Limited (MinRes)
Short description	The Lockyer Conventional Gas Project is located in the Mid-West region of Western Australia, approximately 312km north of Perth, 25 km east of Dongara, and 15 km west of Mingenew. It involves the construction and operation of up to six natural gas production wellheads and a Central Processing Facility. The gas produced from the wellheads will be transported via an infield gathering system for treatment in the Central Processing Facility. Once treated, the gas will be directed into an export pipeline connected to the Dampier Bunbury Natural Gas Pipeline. The condensate byproduct will be stored on-site prior to being transported off-site for export. The Proposal is a conventional gas project and as such there will be no potential impacts from unconventional gas activities such as fracking. The key components of the Proposal include: • Production wells • An infield gathering system comprising buried flowlines and collection hubs • A Central Processing Facility, including on-site infrastructure to support the operations phase including power generation, warehousing, workshops, switch room infrastructure and accommodation buildings • A gas export pipeline connecting the Central Processing Facility to the Dampier to Bunbury Natural Gas Pipeline.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Production wells and wellhead facilities (up to six conventional gas wells)	Figure 2-3	270.3 ha of disturbance, including 6.2 ha of remnant native vegetation clearing within a 304.5 ha Development Envelope.
Infield gathering system flowlines		
Export pipeline		
Central Processing Facility and supporting infrastructure: - Gas processing train		

- Condensate stabilisation, storage and truck-loading facilities - Produced water treatment facilities - Oily water treatment facilities - Power station and power distribution - Buildings (warehouse, workshop, administration offices, central control room) - Process control and communications infrastructure - Diesel fuel and chemical storage - Flare and safety systems - Bore water treatment and supply systems including potable water - Evaporation ponds - Sewage treatment plant - Temporary construction utilities and laydown area - Temporary and permanent accommodation camps		
Near-site support facilities and infrastructure - Existing road and railway level crossing upgrades - Access roads		
Construction elements		
Construction water supply	NA	Up to 0.3 Gigalitre (GL) from groundwater bores for a maximum of two years
Construction accommodation camp	Figure 2-3	Maximum 500 person capacity

Operational elements		
Natural gas production	NA	Up to 250 TJ/day sales gas
Condensate production		Up to 240m^3 per day
Operational water supply		Maximum of 0.025 GL per annum from groundwater bores for the life of the Proposal
Operations accommodation camp	Figure 2-3	24 person capacity
Operational power demands		Maximum output of 23.1 MW
Proposal elements with greenhouse gas emissions		
Construction elements:		
11,257 tCO_2-e	Scope 1	
N/A	Scope 2	
N/A	Scope 3	
Operation elements:		
78,198 tCO_2-e/year (at 250 TJ/day sales gas)	Scope 1	
N/A	Scope 2	
5,172,054 tCO_2-e	Scope 3	
Rehabilitation		
The Proposal utilises existing cleared areas (i.e., agricultural land and road reserves devoid of native vegetation) wherever possible, and horizontal directional drilling under Midlands Road, the railway line and the Lockyer and Irwin rivers to avoid impacts to native vegetation. Only minor areas of native vegetation necessary for operational use will be cleared. Rehabilitation of native vegetation prior to decommissioning is therefore not relevant to this Proposal.		
Commissioning		
Environmental commissioning will be implemented in stages under an Environment Plan approved by the Department of Energy, Mines, Industry Regulation and Safety (DEMIRS) and an Environmental Commissioning Plan that will be developed as a requirement of the works approval process (Part V of the EP Act).		
Decommissioning		
In general, all structures, pipelines and equipment will be removed, except where the removal may have a higher impact than leaving in situ (i.e., pipelines under rivers or roads). Wells will be permanently isolated (plugged). MinRes will rehabilitate disturbed areas to reestablish native vegetation, restore the existing land		

use (i.e., agriculture) that existed prior to the implementation of the Proposal, or establish the agreed post-closure land use.		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	20 years
	Construction phase	Approximately 24 months
	Operations phase	15 years
	Decommissioning phase	Approximately 36 months

** 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).*