1 INTRODUCTION

This volume, *Volume 2: Project Description*, of the Environmental Impact Statement (EIS) describes in detail the principal Components of the Queensland Curtis LNG (QCLNG) Project and provides an overview of the proposed phases of development.

The volume is structured in four sections:

- *Chapters 2-6*, provide an overview of the Project. It defines the EIS Reference Case, or the basis for assessing physical, social, cultural, economic and built environment risks and impacts. A summary of Project Components and their location, construction, operation timeframes and workforce numbers is also provided.
- *Chapters 7-10*, describe the Project as built and its Operations Phase, encompassing the Gas Field, Pipeline, LNG Components and Swing Basin/Shipping Channel.
- *Chapters 11-14*, describe the Construction Phase of the Project. It describes the construction process and activities for the Gas Field, Pipeline, LNG Components and Swing Basin/Shipping Channel.
- *Chapters 15-17*, describes to the Decommissioning and Rehabilitation phases of the Project. It outlines the decommissioning and rehabilitation plans for the Gas Field, Pipeline and LNG Components.

1.1 AUSTRALIAN LNG PROJECTS

Liquefied natural gas, or LNG, is natural gas that has been cooled to -162ºC, at which point it becomes a liquid. In this form it can be easily transported and stored. LNG technology is a safe, proven and efficient method used around the world to deliver natural gas, the cleanest of all fossil fuels, to markets where it is needed.

Australia is a leading supplier of LNG through two existing projects (the North West Shelf and Darwin LNG) which export a combined 19.6 million tonnes per annum (mtpa) of LNG. The Project proposed by QGC, is designed with production capacity of up to 12 mtpa.

Through the application of advanced designs and the most efficient technology available, QGC proposes to develop one of the least greenhouse gas-intensive LNG production facilities in the world.

1.2 PROJECT COMPONENTS

The core components of the Project detailed in *Volume 2* are:

- significant coal seam gas (CSG) fields in the Surat Basin of southern Queensland (Gas Field Component) and associated gas processing infrastructure
- aggregation of the gas from the fields through a network of pipelines and its transport via a 380 km underground pipeline to a LNG export terminal (Pipeline Component)
- a LNG export terminal located on Curtis Island, adjacent to Gladstone, and supporting infrastructure including a propane unloading facility and export jetty (LNG Component)
- LNG shipping operations to load the LNG and ship cargoes to global export markets (Shipping Operations)
- development of a new Shipping Channel and Swing Basin to service the LNG Component.