

# Kipper Tuna Turrum project

The Kipper Tuna Turrum Project is the largest single investment ever into supplying Australia's domestic gas needs.

Production from the Kipper Tuna Turrum project will help maintain current gas production levels from the Gippsland Basin, which has been producing since 1969.

The first stage of the project was started up in 2013 with production of natural gas from the Tuna field via two new pipelines in June 2013 and first oil being produced from the Turrum field through the new Marlin B platform in October 2013.

Due to the complex chemical composition of the natural gas from the deeper Kipper and Turrum fields, additional treatment facilities were installed at Longford, including the new Gas Conditioning Plant.

Kipper and Turrum gas production came on line on March 2017, following completion of the Gas Conditioning Plant.

## Turrum

**Field discovered:** February 1966

**Exploration vessel:** Glomar III

**Field size:** 1550 hectares

**Distance from shore:** 42 kilometres

**Water depth:** 60 metres

**Facilities:** Marlin B steel jacket platform with bridge connected to Marlin A.

**Resources:** 1 trillion cubic feet of gas and 110 million barrels of oil and gas liquids.

## Tuna

**Field discovered:** June 1968

**Exploration vessel:** Glomar III

**Field size:** 2707 hectares

**Distance from shore:** 43 kilometres

**Water depth:** 59 metres

**Facilities:** Tuna A steel jacket platform and West Tuna concrete gravity platform.

**Resources:** The Tuna reservoir, which has been producing oil since 1979, has been further developed to produce additional gas and associated liquids.

This has been done by converting existing West Tuna facilities, and also using new pipelines to deliver production into the existing gas system.

## Kipper

**Field discovered:** March 1986

**Exploration vessel:** Southern Cross

**Field size:** 4000 hectares

**Distance from shore:** 45 kilometres

**Distance to host platform:** 18 kilometres

**Water depth:** 100 metres

**Facilities:** Subsea wellheads and associated equipment with pipelines and umbilical control lines tied to West Tuna platform 18 kilometres away.

**Resources:** Approximately 620 billion cubic feet of recoverable gas and 30 million barrels of condensate/LPG.

## Gas Conditioning Plant

**Facilities:** 12,000 cubic metres of concrete; over 3.5 thousand tonnes of structural steel; 4.5 thousand tonnes of process equipment including 7 key vessels; 46 kilometres of piping; 391 kilometres of electrical and communication cabling.

**Workforce:** More than 1800 construction and fabrication workforce

**Construction work hours:** Around 2.2 million

**Local content:** Australian labour, materials and equipment comprising approximately 70 percent of total project spend.

*The Turrum and Tuna projects are part of the Gippsland Basin Joint Venture, in which Esso Australia Resources Pty Ltd, as operator, and BHP Billiton Petroleum (Bass Strait) Pty Ltd each have a 50 percent interest. The Kipper venture participants are Esso Australia Resources Pty Ltd (32.5 percent and operator) and subsidiaries of BHP Billiton (32.5 percent) and Mitsui E&P Australia Pty Ltd (MEPAU A Pty Ltd).*

