

BASSGAS

BassGas provides Victoria with gas from the Yolla gas field in Bass Strait and is expected to meet around 10% of the State’s demand for the next 15 years.

Background

The BassGas facility is located in southern Victoria, Australia. It consists of the Yolla Gas field and an off-shore, un-manned wellhead platform, connected via undersea and underground pipelines to the on-shore processing facility at Lang Lang, approximately 100 kilometres south east of the Melbourne CBD.

Origin and other parties to the BassGas joint venture invested \$750 million over six years to develop the Project.

The project is contracted to supply up to 20 petajoules per annum of gas, together with associated condensate and LPG.

Since commissioning in 2006, annual production has averaged approximately 16 petajoules of sales gas, 700,000 barrels of condensate and 50,000 tonnes of LPG.

The platform

The 8,000 tonne Yolla off-shore platform measures 50 x 50 metres, stands 120 metres high and is installed in 80 metre-deep water in Bass Strait. It operates unmanned, however personnel visit the structure via helicopter to carry out maintenance and repair work as required.

The pipelines

Over 150 kilometres of undersea pipeline transports the gas and liquids from the Yolla field to shore, intersecting land near Kilcunda beach. There, it joins the 32 kilometre ‘raw gas’ pipeline to the processing plant. To avoid environmental disturbances near the shoreline, a horizontal directional drilling (HDD) program was used to connect the undersea and onshore, underground pipelines. The HDD passed under the beach, coastal dune area and Bass Highway.

The processing plant

The Lang Lang gas processing plant processes the raw gas to sales gas specifications before it is transported through the 35 kilometre on-shore, underground ‘sales gas pipeline’ to the Victorian Principal Gas Transmission Pipeline near Pakenham, Victoria.

The processed condensate and LPG are transported by road tankers to customers. The Shell Refinery in Geelong Victoria purchases the condensate, and the LPG is sold to a large customer base.



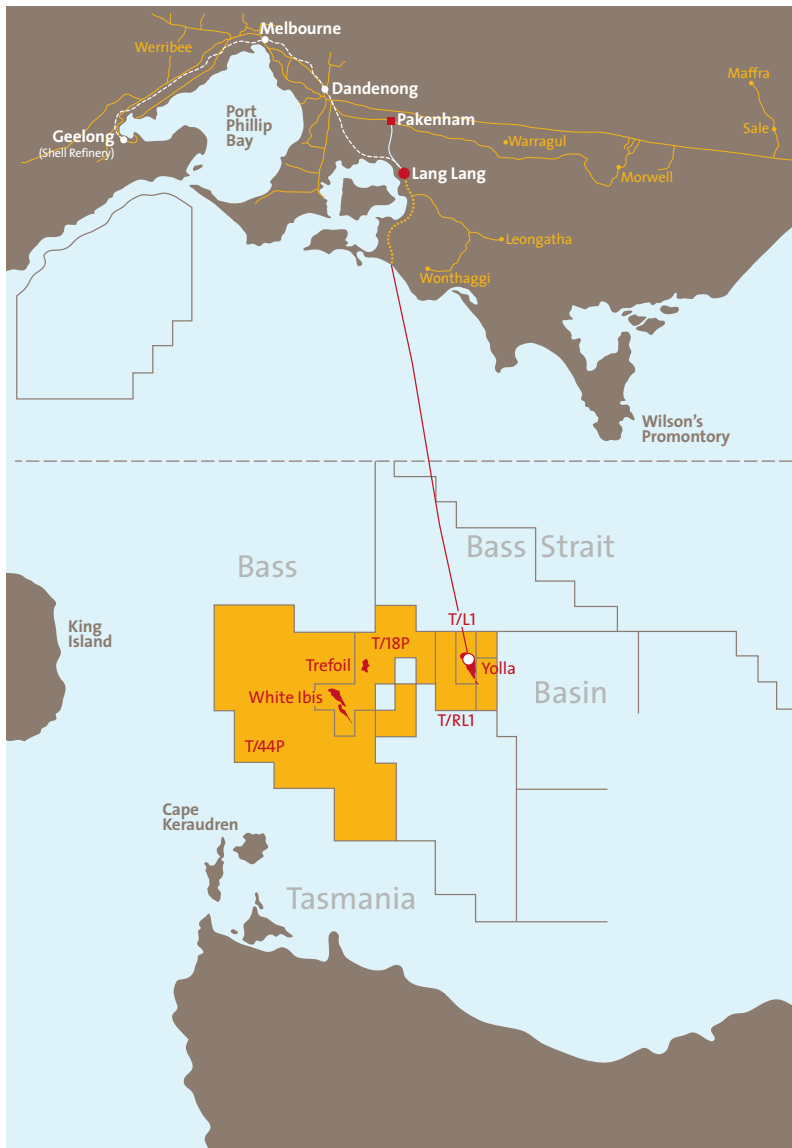
Mid-life enhancement project (MLE)

In late 2009 the BassGas joint venture approved Stage 1 of a MLE project to help meet the growing demand for gas in south east Australia. It involves installing compression and pumping facilities and living quarters on the offshore platform and upgrading safety equipment. Stage 1 of the MLE project will be undertaken in the summer of 2011/12 at a cost of \$360 million.

Detailed planning continues for Stage 2, involving the drilling of the Yolla 5 and 6 development wells. The drilling campaign is expected to proceed in the summer of 2012/13, subject to remaining technical considerations and rig availability.

THE JOINT VENTURE:

Origin Energy Limited (Operator)	42.5%
AWE Limited	57.5%



- Origin permit
- Undersea gas pipeline (Origin interest)
- Gas field
- Lang Lang Gas Plant
- Gas pipelines
- Raw gas pipeline
- Entry point to the Victorian Principal Gas Transmission pipeline
- Underground sales gas pipeline
- Condensate +LPG trucking route

OUR COMMITMENT

Origin respects the rights and interest of the communities in which we operate by working safely and being mindful of, and attentive to, the environmental and social impact of the resources, products and services we use or provide to others.

INVESTING IN THE COMMUNITY

In original community investment plans, BassGas committed to investing more than \$180,000 in a 10-year revegetation project. The Project has now gone beyond these obligations, carrying out the rehabilitation of an area of land around 4.5 times the original area specified. Origin also continues to be involved in a range of local community events, including Landcare events.

ABOUT ORIGIN

Origin is the leading integrated energy company in Australia focused on gas exploration and production, power generation and energy retailing. Listed in the S&P/ASX 20 index, the company has approximately 4,700 employees and is a leading producer of gas in eastern Australia. Origin is Australia's largest energy retailer with 4.6 million electricity, natural gas and LPG customer accounts and has one of the country's largest and most flexible generation portfolios with more than 5,800 MW of capacity, through either owned generation or contracted rights. Origin has a strong focus on ensuring the sustainability of its operations, and has significant investments in renewable energy technologies.



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