Australian Branch
Western Australia Panel

LMS100 HIGH EFFICIENCY GAS TURBINES

KWINANA POWER STATION

Wed, 5 December 2012

Time:	3:00pm – 4:00pm
Venue:	Verve Energy Kwinana Power Station Leath Road Naval Base 6166
Cost:	Free
RSVP:	Essential
Contact:	Mark Smart
Email:	mark.smart@verveenergy.com.au
Notes:	Places offered on first-come, first-served basis

SUMMARY

This is a tour of the site that houses the most efficient open cycle gas turbines in Western Australia – the GE LMS100.

The machines, derivatives of the engines on large passenger aircraft, combine excellent efficiency and extremely flexible operating capabilities. In particular their fast-start capability (10 minutes to full load) is perfect for the South West Interconnected System (SWIS) and Verve Energy's system balancing obligations, particularly in supporting wind power in the system. Their efficiency will be up to 43% at full-load. This compares to other open-cycle gas turbines in Verve Energy's current portfolio (such as those at Pinjar) which record efficiencies of 38% at full-load.

The tour will take around 60-minutes to complete. Parking is available at the site. Visitors are requested to report to the security building upon arrival.

Visitors must wear long trousers, long sleeved shirts and closed-in shoes to gain entry to the site. PPE (hard hats, safety glasses, etc.) will be issued to visitors. Cameras or recording devices are not permitted on the site.

Numbers for this visit will be limited and booking will be on a first-come first-served basis. It is essential that you register your attendance by emailing mark.smart@verveenergy.com.au.