

INDEPENDENT VERIFICATION CONFIRMS STRONG RESULTS

Strong performance results from the integration of enhancements to the Solar Tower concept have been reported to EnviroMission by independent specialist engineering consultants Connell Mott MacDonald (CMM).

CMM was commissioned to undertake technical validation of the Solar Tower concept at 200MW with and without enhancing technologies for a typical January day as indicated at the proposed NSW site.

The addition of a heat storage system has been found to achieve substantial performance increases over the periods 06:00 to 10:00 and 16:00 to 20:00 on the same January day. Technical methods, including advanced computational fluid dynamics (CFD) modeling has indicated a potential increase of 155% of the capped output with a tenfold increase over the original concept at 06:00. These findings are based on the capped installed capacity of a 200MW power plant.

Integration of a heat storage facility will also enable a Solar Tower power station to operate more efficiently over extended periods with newfound efficiency at night and periods of lower solar radiation – this efficiency will equate to greater commercial benefits.

Reengineering of the Solar Tower's collector zone (greenhouse structure) to incorporate a temperature enhancing technology system was evaluated over a trial period 10:00 to 16:00 and indicated a capped power generation capacity increase of approximately 7% with a maximum increase measured in excess of 30%.

These findings confirm the strategy to integrate the Australian developed and owned technologies with the Solar Tower concept will achieve greater efficiency and greater market access provided by realistic shoulder and peak operation tailored to meet the consumer demand profile.

"The decision to reengineer the Solar Tower concept for scalability and improved performance has required independent technical verification to evaluate the benefit from integrating the enhancements that effect the business case and EnviroMission's overall competitiveness as an applicant to the Federal Government's Low Emissions Technology Demonstration Fund (LETDF)," EnviroMission CEO, Roger Davey, said in releasing details of the independent report.

"It is vital the shift in EnviroMission's development strategy can be supported by independent technical verification to provide funding and investment decision makers with confidence as the next stages of development are approached.

Front end engineering and design (FEED) continues towards the optimum configuration for a scaled Solar Tower with a 50MW demonstration plant now forming the basis of EnviroMission's application to round one of the Australian Federal Government's Low Emissions Technology Demonstration Fund, (lodged March 31, 2006).

The 50MW Solar Tower demonstration proposal lodged with the LETDF programme is intended to lead a commercialisation pathway to meet and exceed the Federal Government's emissions abatement objectives and overall programme criteria well ahead of the policy target date based on these latest independent findings.

EnviroMission has pursued this development strategy to maximise commercial benefits and market opportunities in Australia and diverse international markets including China and the United States.

Ends.

A handwritten signature in black ink, appearing to read 'Ian Riley', with a long horizontal stroke extending to the right.

Ian Riley
Company Secretary
Chief Financial Officer