



**WEATHERATE**

March 27, 2012

Australian Energy Market Commission  
PO Box A2449  
Sydney South NSW 1235

## **EPR0027 - Review of Distribution Reliability Outcomes and Standards**

To whom it may concern,

It is understood that this letter has been prepared after the 1<sup>st</sup> December 2011 submission date. Consequently, it is understood that this is not a formal submission to the AEMC. However, WeatheRate would like to identify the potential to defer capital expenditure by increasing the utilisation of existing overhead distribution and transmission lines.

Most transmission line ratings are calculated from IEC, IEEE, CIGRE or local line rating standards. The application of each method incorporates a variety of assumptions, such as an assumed ambient temperature and a transverse wind speed.

Our analysis has shown that line ratings can be improved significantly when the network loads are high. This occurs due to the strong correlation between temperature and convective wind speeds, which result in improved line ratings.

Consequently, we would request that the AEMC consider the installation of ambient condition monitors for use with real-time rating systems in this review. Specific attention should be given to the use of ten minute short-time line ratings as these provide adequate time to manually transfer load.

Yours Sincerely,

Kelly Paul

Marketing Manager  
WeatheRate