



**Date:** August 11, 2009  
**To:** Board of Directors  
**From:** Mark Bruce, Technical Advisory Committee (TAC) Chair  
**Subject:** Loads acting as Resources (LaaRs) Capability Study

**Issue for the ERCOT Board of Directors**

**ERCOT Board of Director Meeting Date:** August 18, 2009

**Agenda Item No.:** 12g

**Issue:**

The Reliability and Operations Subcommittee (ROS) has completed a study of the amount of LaaRs capable of providing Responsive Reserve Service (RRS).

**Background:**

The study recommends ERCOT continue to allow no more than 50% of RRS to be provided by LaaRs, whether RRS is procured at the 2300 MW or 2800 MW level. The study further notes there is some reliability concern associated with “overshooting” frequency corrections because the Protocols allow LaaRs to provide up to 150% of the amount of response requested by ERCOT. Finally, the study identified areas for possible further study, including analysis of the geographic distribution of LaaRs and exploring the possibility of setting LaaRs to trip at different frequency “tiers”. As requested last month, a copy of the completed study is attached for your review.

**Conclusion:**

The completed study is attached for Board review. Ken Donohoo, ROS Chair, will be available at the Board meeting to answer any detailed questions you may have.