

## ERCOT Impact Analysis Report

<b>PRR Number</b>	756	<b>PRR Title</b>	Distributed Renewable Generation Modifications
<b>Impact Analysis Date</b>	April 30, 2008		
<b>Cost/Budgetary Impact</b>	Between \$500,000 and \$1,000,000.		
<b>Estimated Project Time Requirements*</b> <small>*Unless otherwise indicated, project time requirements begin upon project initiation.</small>	This project requires approximately six to nine months to complete, with an implementation date of January 1, 2009.		
<b>ERCOT Staffing Impacts (across all areas)</b>	No additional staffing required. ERCOT will likely use external resources to augment the project team to meet the implementation date of January 1, 2009, as mandated by HB 3693, relating to energy demand, energy load, energy efficiency incentives, energy programs, and energy performance measures.		
<b>ERCOT Computer System Impacts</b>	Impacts to Lodestar and Paperfree.		
<b>ERCOT Business Function Impacts</b>	<p>Distributed Renewable Generation (DRG) Electric Service Identifiers (ESI IDs) that are on non-Interval Data Recorder (IDR) meters will be settled using Load Profiles generated consistent with Load Profiling Guide Revision Request (LPGRR) 030, Distributed Renewable Generation Modifications.</p> <p>ERCOT will modify the 867_03 monthly usage business processes in addition to creating and supporting the new DRG load profiles.</p>		
<b>Grid Operations &amp; Practices Impacts</b>	There are no impacts to grid operations and practices as a result of this Protocol Revision Request (PRR).		

<b>Implementation Alternatives</b> <i>(include explanation of impacts)</i>
<p><u>Use ESI ID for Load and Resource Identifier (RID) for Resource:</u> This option would require Market Participants to submit Settlement data to ERCOT for DRG units using an ESI ID for Load and a RID for Generation. It would require DRG owners or their Retail Electric Providers (REPs) to register DRG units as a Resource with ERCOT. Market Participants may have to modify their systems to implement this solution. A cost-benefit analysis has not been completed for this option.</p> <p>Commercial Operations Subcommittee (COPS) discussed this alternative (and other variations) at length on 4/8/2008. COPS decided that the Load Profile solution it recommends is the optimal approach.</p>

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<b>Evaluation of Interim Solutions</b> <i>(e.g., manual workarounds)</i>
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None.
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<b>Feasibility of Implementation</b>
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<b>Impact on Resource Availability:</b>
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<b>Impact on Other Projects:</b>
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As noted above, HB 3693 requires ERCOT to settle DRG less than 50 kW, by January 1, 2009. Depending upon when PRR756 and LPGRR030 are approved, there may be an impact on ERCOT resources and other projects to comply with the deadline of January 1, 2009.
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<b>Comments</b>
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Currently there are fewer than 100 ESI IDs associated with DRG. The proposed Load Profile solution, although expensive for a few ESI IDs, is expected to be cost-effective in the long run when DRG is more widely used.
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