
2011 ERCOT Nodal Electricity Market Report

LCG Consulting (LCG) of Los Altos, California has released a report on ERCOT Electricity Market 2011 - Simulation of Nodal Market under the proposed nodal protocol. This report summarizes the results of extensive hourly simulations of the projected nodal ERCOT electricity market. The report includes forecasts for LMPs, A/S prices, hub prices, zonal prices, and congestion costs (CRRs). The report can be customized to include additional details such as generator performance, hourly LMPs, transmission congestion, and other information of interest.

UPLAN Network Power Model replicates the behavior of regional power markets and power systems to simulate the financial and physical operations of entire grids. It simulates the bidding process for the Energy and Ancillary Service markets and dispatches generators hourly, using region-specific protocols. UPLAN is extensively used in ERCOT for zonal and nodal studies for various stakeholders including ERCOT ISO. It is typically utilized to assess business risks associated with capital investments in new and existing generation and transmission assets.

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The simulation of the ERCOT market was conducted using UPLAN Network Power Model, which is used extensively by most market participants including ERCOT ISO for transmission project evaluation.

Deliverables

The 2011 ERCOT Market Report contains the following:

- Summary of Input Assumptions:
 - ✓ Electricity Demand Forecast
 - ✓ Generation Capacity by Fuel Type and by zone
 - ✓ Transmission Constraints
- Hourly hub prices for West 345, North 345, South 345, Houston 345, ERCOT bus average and ERCOT hub average
- Hourly zonal prices

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Should you be interested in a preview of the report via webcast, please contact Julie.Chien@energyonline.com

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