



# Nodal Program Update

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ERCOT Board of Directors

20 September 2010



# Nodal Parking Deck Items

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# Nodal Parking Deck – Prioritization Guidelines

Priority	Definition
Critical	Required by Statute, PUCT Order, NERC compliance or <u>critical</u> reliability of: <ul style="list-style-type: none"><li>• Grid Operations</li><li>• IT Infrastructure</li><li>• Commercial Settlement</li></ul>
High	<u>High</u> value for a majority of market segments or ERCOT
High / Medium	<u>High</u> value to one or two segments, or <u>Medium</u> value for a majority of market segments or ERCOT
Medium	<u>Medium</u> value for only one segment

## Nodal Parking Deck - Approved

Total Approved by BoD = 11

Source	Title	Priority	Current Status
NPRR208	Registration and Settlement of Distributed Generation (DG) Less Than One MW	Critical	BoD Approved 7/20/2010
SCR756	Enhancements to the MarkeTrak Application	Critical	BoD Approved 7/20/2010
NPRR131	Ancillary Service Trades with ERCOT	High	BoD Approved 1/19/2010
NPRR146	ICCP Telemetry Information Submittals	High	BoD Approved 6/15/2010
NPRR181	FIP Definition Revision	High	BoD Approved 1/19/2010
NPRR207	Unit Deselection	High	BoD Approved 7/20/2010
NPRR210	Wind Forecasting Change to P50, Synch PRR841	High	BoD Approved 6/15/2010
NPRR222	Half-Hour Start Unit RUC Clawback	High	BoD Approved 7/20/2010
NPRR153	Generation Resource Fixed Quantity Block Offer	Medium	BoD Approved 1/19/2010
NPRR164	Resubmitting Ancillary Service offers in SASM	Medium	BoD Approved 1/19/2010
SCR755	ERCOT.com Website Enhancements	Medium	BoD Approved 2/16/2010

The items above are sorted by Priority then by Source



# Nodal Parking Deck - Pending

Total Pending = 10

Source	Title	Suggested Priority	Current Status
NPRR240	Proxy Energy Offer Curve	High / Medium	Pending at Board TAC approved 9/2/2010
NPRR241	Aggregate Incremental Liability (AIL) Calculation and Credit Reports Publish Corrections	Medium	Pending at Board TAC approved 9/2/2010
NPRR251	Sync of PRR845, Definition for IDR Meters and Optional Removal of IDR Meters at a Premise Where an Advanced Meter Can be Provisioned	High	Pending at Board TAC approved 9/2/2010
NPRR256	Sync Nodal Protocols with PRR787, Add Non-Compliance Language to QSE Performance Standards	TBD	Pending at NATF
NPRR257	Synchronization with Nodal Operating Guide Section 9, Monitoring Programs	TBD	Pending at PRS
NPRR258	Sync with PRR824 and PRR833 and Additional Clarifications	TBD	Pending at PRS
NPRR260	Providing Access to MIS Secure Area to MIS Registered Users	TBD	Tabled at PRS
NOGRR034	Rescind Telemetry Performance Calculation Exclusions	Medium	Pending at Board TAC approved 8/5/2010
NOGRR050	Resolution of Reporting Issues Related to NPRR219	TBD	Pending at PRS ROS approved 8/12/2010
SCR759	acLineSegment Name Length Increase in Information Model Manager	High	Pending at PRS ROS approved 8/12/2010

The items above are sorted by Source



# Nodal Parking Deck –Additional Items for Consideration

Total "Other" = 19

Title	Current Status / Description
Wind Cost Allocation	Options discussed at March 2010 Board meeting WMS endorsed "Wind Plus Load Ratio Share" proposal
Deferred NOGRR025 Reports	Draft NPRR in progress to gray-box reports planned for delivery after Nodal go-live
NMMS API	Functionality to be considered for post-go-live development
CRR API	Functionality to be considered for post-go-live development
MMS Multiple Network Models	Functionality to be considered for post-go-live development
Add PSS Status to RARF	Automation of manual process as a result of NPRR156
Automated Default Uplift Invoice	Automation of manual process as a result of NPRR221
EILS Enhancements	Automation of manual process
Load Participation in SCED	Functionality to be considered for post-go-live development
EMS Upgrade	Upgrade EMS system from v2.3 to v2.5/v2.6
Deferred Defects	Defects not addressed during Nodal stabilization period Approximately 700 deferred defects as of July 2010 Review underway to confirm issues and confirm acceptable workarounds

# Nodal Parking Deck –Additional Items for Consideration

Title	Current Status / Description
Large Wind Power Production Ramp Forecasting Phase 2	Phase 2 of the project that built a display for ERCOT operators to indicate periods of time within the next 6 hours during which there is a high risk for a large wind power production ramp to occur
TML Transition to MIS	Upon go live, most applications that are currently available through TML will migrate to MIS and will only be accessible to MPs through the MIS portal. RMS has requested that Zonal Reports, Find ESI ID, Find Transactions, and Transaction submission be accessed through TML until MIS has had sufficient time to stabilize.
Decommission of Zonal Wholesale	After go-live of the redesigned ERCOT wholesale market, certain ERCOT systems and components that were only applicable to zonal wholesale operations will become disposable and need to be decommissioned.
Nodal Cutover Cleanup	Remove pre-go-live data from Nodal systems
Move Price Validation Tool (PVT) to a Server Application	Functionality to be considered for post-go-live development
PVT Enhancements	Enhancements to be identified during market testing and Nodal implementation
PVT Reporting Tools	Functionality to be considered for post-go-live development
Update Credit PFE Model (Potential Future Exposure)	Enhance PFE model to include the following risk factors: <ul style="list-style-type: none"> <li>• Price volatility analysis for the Day Ahead Market,</li> <li>• Bid and offer volume analysis in the Day Ahead Market, and</li> <li>• Value of Congestion Revenue Rights</li> </ul>