**AGENDA**

**Wholesale Market Subcommittee (WMS) Meeting**

7620 Metro Center Drive / Austin, Texas / 78744

Wednesday, August 3, 2016 – 9:30am

<http://ercot.webex.com>

Meeting Number: 629 930 178

Meeting Password: WMS

Audio Dial-in: 1.877.668.4493

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| --- | --- | --- | --- | --- | --- |
| 1. | Antitrust Admonition |  | J. Carpenter | | 9:30 a.m. |
| 2. | Agenda Review |  | J. Carpenter | 9:32 a.m. | |
| 3. | **Approval of WMS Meeting Minutes (Vote)**   * July 6, 2016 |  | J. Carpenter | 9:34 a.m. | |
| 4. | ERCOT Operations and Market Items |  | R. Surendran | 9:35 a.m. | |
|  | * July 7, 2016 EMS Event |  |  |  | |
| 5. | Technical Advisory Committee (TAC) Update and Assignments |  | J. Carpenter | 9:40 a.m. | |
|  | * Develop communication issue list during SCED/Operational anomalies |  |  |  | |
| 6. | **VCMRR013, Clarifications to Verifiable Cost Appeals Process (RCWG 06/08/16) (Vote)** |  | J. Carpenter | 9:45 a.m. | |
| 7. | New PRS Referrals (Possible Vote) |  | J. Carpenter | 9:55 a.m. | |
|  | *No referrals from July 2016 PRS* |  |  |  | |
| 8. | Revision Requests Tabled at PRS, Referred to WMS (Possible Vote) |  | J. Carpenter | 9:55 a.m. | |
|  | * NPRR759, Segmentation of the Total New Capacity Estimate in the ERCOT CDR (SAWG 05/04/16) |  |  |  | |
|  | * NPRR768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories |  |  |  | |
|  | * NPRR769, Alignment with VCMRR013, Clarifications to Verifiable Cost Appeals Process (RCWG 05/12/16) |  |  |  | |
|  | * NPRR772, Clarification of Process for Transmission Outages Related to a Service Disconnection Request for a Generation Resource (QMWG 07/06/16) |  |  |  | |
|  | * NPRR775, Enhanced Implementation of Limits for Fast Responding Regulation Service (QMWG 07/06/16) |  |  |  | |
|  | * NPRR776, Voltage Set Point Communication QMWG 07/06/16) |  |  |  | |
|  | * NPRR777, ERCOT-directed Dispatch of Price-Responsive Distributed Generation |  | G. Thurnher | 10:05 a.m. | |
|  | * Settlement |  |  |  | |
| 9. | Market Credit Working Group (MCWG) |  | B. Barnes | 11:05 a.m. | |
| 10. | QSE Managers Working Group (QMWG) |  | E. Goff | 11:15 a.m. | |
| 11. | Resource Cost Working Group (RCWG) |  | P. Vinson | 11:30 a.m. | |
|  | * **Applicability of Incentive Factor to Reservation and Transportation costs associated with firm fuel supplies (Waive Notice – Vote)** |  |  |  | |
| 12. | Outage Coordination Improvement Task Force (OCITF) |  | L. Jones | 11:40 a.m. | |
| 13. | Other Business |  | J. Carpenter | 11:55 a.m. | |
|  | * Annual TAC/TAC Subcommittee Structural and Procedural Review |  |  |  | |
|  | * October 5, 2016 WMS Meeting |  |  |  | |
|  | * Locational Reserve/Values of Lost Load as Cost Benefit |  |  |  | |
|  | * Review of Open Action Items |  |  |  | |
|  | * No Report |  |  |  | |
|  | * Congestion Management Working Group (CMWG) * Demand Side Working Group (DSWG) * Emerging Technologies Working Group (ETWG) * Meter Working Group (MWG) * Supply Analysis Working Group (SAWG) |  |  |  | |
|  | Lunch |  |  | 12:00 p.m. | |
| 14. | **Reliability Must-Run (RMR) Issues (Waive Notice – Vote)** |  | J. Carpenter | 1:00 p.m. | |
|  | * ERCOT/WG Updates |  |  |  | |
|  | * Draft NPRR, RMR Capital Costs |  | ERCOT |  | |
|  | * Draft NPRR, RMR process |  | ERCOT |  | |
|  | * NPRR793, Clarifications to RMR RUC Commitment and Other RMR Cleanups |  | ERCOT |  | |
|  | * NPRR788, RMR Study Modifications |  | R. Stephenson |  | |
|  | * Coastal Forecast Methodology |  |  |  | |
|  | * RMR Issues Prioritization |  | J. Carpenter |  | |
|  | Adjourn |  | J. Carpenter | 3:00 p.m. | |
|  | Future Meetings   * September 7, 2016 * October 6, 2016 |  |  |  | |

| Open Action Items | Responsible | Assigned |
| --- | --- | --- |
| Notice of GTLs Related to New Generation Interconnection | CMWG | 04/06/2014 |
| Monitor bid results upon implementation of SCR 779 increase in bid limits | CMWG | 03/04/2015 |
| Pricing and Stability Limits | CMWG | 07/08/2015 |
| Dynamic Ratings in Off-Peak CRR Models | CMWG | 10/07/2015 |
| Market Continuity Workshop: CRRs with no corresponding RT and DAM what | CMWG | 06/08/2016 |
| Switchable Generation Resource Whitepaper | CMWG/QMWG/RCWG | 07/16/2016 |
| Integration of ERS and Load Shed in price formation intended in NPRR626/Validations for Telemetry | DSWG/QMWG | 01/07/2015 / 07/06/2016 |
| Monitor/Review List of HITEs | OCITF | 06/08/2016 |
| Review testing requirements for all Resources and impact on price formation | QMWG | 03/05/2014 |
| Notification requirements of Resources switchable to other Control Areas | QMWG | 10/29/2014 |
| Alternatives for extreme cold weather RUC | QMWG | 01/07/2015 |
| Impact on RRS from NERC-BAL-003, Ancillary Service Procurement | QMWG | 01/07/2015 |
| Review application of Wind Chill for short-term capacity sufficiency | QMWG | 03/04/2015 |
| Ancillary Service Replacement due to Transmission Constraints | QMWG | 07/08/2015 |
| Market Transparency Notification for Market Model Error | QMWG | 09/02/2015 |
| Methodology to Prorate Share of SCED offsets for return of SCED after Failure | QMWG | 09/02/2015 |
| Quick Start Generation Resources impact to operational reserves | QMWG | 11/04/2015 |
| Voltage reduction during EEA and impact to market | QMWG | 11/04/2015 |
| Pre-Positioning the Transmission System for Planned Outages | QMWG | 12/02/2015 |
| COP/Wind Forecast Issue | QMWG | 05/04/2016 |
| Refine the Process for Identifying High Impact Outages re NPRR758, Improved Transparency for Outages Potentially Having a High Economic Impact | QMWG | 05/04/2016 |
| Prioritization of RMR Issues | QMWG | 06/08/2016 |
| Market Continuity Workshop: RT/DAM Issues | QMWG | 06/08/2016 |
| Should payment by ERCOT be made to generators during outage event issues from Market Continuity Workshop | QMWG | 06/08/2016 |
| Ancillary Service Enhancements (System Inertia, NonSpin issues, etc.) / include LR Percentage in RRS | QMWG | 06/08/2016 / 07/06/2016 |
| Market Continuity Workshop: Uplift Methodology | QMWG | 06/08/2016 |
| RRGRR010, Seasonal Net Max Sustainable Rating Definitions – unintended consequences | QMWG | 07/06/2016 |
| RMR Issue: NSO Notification Timeline (in 25.502 Substantive Rule)  Is 90 day notice enough | QMWG | 07/06/2016 |
| RMR Issue: Obligation or Incentive For Early Notification | QMWG | 07/06/2016 |
| RMR Issue: Transmission Planning Assumptions – should ERCOT forecast retirements   * Develop potential alternatives to potential retirements | QMWG/PLWG | 07/06/2016 |
| RMR Issue: ORDC capacity calculation | QMWG | 07/06/2016 |
| Review removal of PPA applied in Verifiable Cost from Protocol | RCWG | 10/29/2014 |
| Selection process for Fuel Index Vendor | RCWG | 10/29/2014 |
| Alternative to NPRR664, Fuel Index Price for Resource Definition… | RCWG | 01/07/2015 |
| Fixed Cost issues – Pipeline Capacity and Penalties | RCWG | 06/08/2016 |
| Coal Index – Long Term Solution | RCWG | 06/08/2016 |
| Market Continuity Workshop: How verifiable costs for renewables are addressed | RCWG | 06/08/2016 |
| RMR Issue: Contract length   * “significant investment” language | RCWG | 07/06/2016 |
| Real-Time Co-optimization – Multi-interval SCED | SAWG | 10/29/2014 |
| Monitor RDF re PRC vs ORDC (Review in 2017) | WMS | 06/08/2016 |
| MRA Issues (Reconsider in September) | WMS | 07/06/2016 |
| RMR Issue: Get rid of transmission exit strategy for RMRs | WMS | 07/06/2016 |
| RMR Issue: RMR for capacity criteria | WMS/ROS | 07/06/2016 |