**AGENDA**

**Wholesale Market Subcommittee (WMS) Meeting**

ERCOT Austin / 7620 Metro Center Drive / Austin, Texas / 78744

Wednesday, February 1, 2017 – 9:30am

<http://ercot.webex.com>

Teleconference: 1-877-668-4493

Meeting number: 624 741 775

Meeting password: WMS

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| 1. | Antitrust Admonition | J. Carpenter | 9:30 a.m. |
| 2. | Agenda Review | J. Carpenter |  |
| 3. | **Approval of WMS Meeting Minutes (Vote)**   * **January 11, 2017** | J. Carpenter | 9:35 a.m. |
| 4. | Technical Advisory Committee (TAC) Update and Assignments | J. Carpenter | 9:40 a.m. |
|  | * 2% Resettlement Rule |  |  |
|  | * Reliability Unit Commitment (RUC) for Capacity Discussion |  |  |
| 5. | **2017 WMS Working Group Leadership (Vote)** | J. Carpenter | 9:50 a.m. |
| 6. | Open Action Items/QSE Issue List/2016 WMS Goals | J. Carpenter | 10:00 a.m. |
| 7. | **2017 WMS Goals (Vote)** | J. Carpenter | 10:05 a.m. |
| 8. | WMS Procedures (Possible Vote) | J. Carpenter | 10:15 a.m. |
| 9. | ERCOT Operations and Market Items | R. Surendran | 10:20 a.m. |
|  | * Reporting on any Reliability Must-Run (RMR) usage and any contract changes |  |  |
|  | * RFP for a Natural Gas and Fuel Oil Index Price Provider Update | I. Gonzalez |  |
| 10. | New PRS Referrals (Possible Vote) | J. Carpenter | 10:25 a.m. |
|  | * NPRR811, Two Day Cure Period for Foreign Market Participant Guarantee Agreements |  |  |
| 11. | Revision Requests Tabled at PRS, Referred to WMS (Possible Vote) | J. Carpenter | 10:30 a.m. |
|  | * NPRR768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories |  |  |
|  | * NPRR776, Voltage Set Point Communication (QMWG 07/06/16) |  |  |
|  | * NPRR798, Additional CRR Accounts Request (CMWG 10/17/16) |  |  |
|  | * NPRR799, Updates to Outages of Transmission Facilities (CMWG/QMWG 10/17/16) |  |  |
|  | * NPRR802, Settlements Clean-up (QMWG 10/17/16) |  |  |
|  | * NPRR777, ERCOT-directed Dispatch of Price-Responsive Distributed Generation | G. Thurnher |  |
|  | * NPRR807, Day-Ahead Market Price Correction (QMWG) |  |  |
|  | * NPRR809, GTC or GTL for New Generation Interconnection (QMWG /CMWG) |  |  |
| 12. | Reliability Must-Run (RMR) Issues (Possible Vote) |  | 10:45 a.m. |
|  | * TAC Assignment |  |  |
|  | * RMR Issue: Long Term Solution – Alternatives to NPRR784, Mitigated Offer Cap for Reliability Must-Run (RMR) Units * Motion to: Endorse RMR pricing options, as specified at the January 11, 2017 WMS Meeting (see Key Documents below) | D. Maggio |  |
| 13. | Resource Cost Working Group (RCWG) | P. Vinson | 11:25 a.m. |
|  | * Draft NPRR, Significant Capital Costs for RMR (Possible Vote) |  |  |
| 14. | Market Credit Working Group (MCWG) | B. Barnes | 11:40 a.m. |
| 15. | QSE Managers Working Group (QMWG) | E. Goff | 11:50 a.m. |
|  | * **NOGRR166, Daily Grid Operations Summary Reports (Waive Notice – Vote)** |  |  |
|  | * Concept: Day Ahead Make Whole Adjustments due to Ancillary Infeasible MW in Real-Time | A. Rosel |  |
| 16. | Demand Side Working Group (DSWG) | T. Carter | 12:00 p.m. |
| 17. | Supply Analysis Working Group (SAWG) | B. Whittle | 12:10 p.m. |
|  | * Multi-Interval Real-Time Market Update | ERCOT |  |
| 18. | Congestion Management Working Group (CMWG) | G. Thurnher | 12:30 p.m. |
| 19. | Outage Coordination Improvements Task Force (OCITF) | M. Henson | 12:40 p.m. |
| 20. | Other Business | J. Carpenter | 12:55 p.m. |
|  | * No Report |  |  |
|  | * Emerging Technologies Working Group (ETWG) |  |  |
|  | * Metering Working Group (MWG) |  |  |
|  | Adjourn | J. Carpenter | 1:00 p.m. |

| Open Action Items | Responsible | Assigned |
| --- | --- | --- |
| Notice of GTLs Related to New Generation Interconnection | CMWG | 04/06/2014 |
| Market Continuity Workshop: CRRs with no corresponding RT and DAM what | CMWG | 06/08/2016 |
| CRR Deration Issue | CMWG | 10/17/16 |
| 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 | OCWG | 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 |
| 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 |
| * Switchable Generation Resource Demand Side Working Group (DSWG) Whitepaper | QMWG/RCWG | 07/06/2016 |
| Evaluate concerns with bringing RUC units earlier than required | QMWG | 10/17/2016 |
| Regional Reserves Concept | QMWG | 11/02/2016 |
| Review removal of PPA applied in Verifiable Cost from Protocol | RCWG | 10/29/2014 |
| TAC Assignment: 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 |
| PRS Assignment: Aging Projects – NPRR664, Index Fuel Price | RCWG | 11/10/2016 |
| 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 |
| TAC Assignment: Develop communication issue list during SCED anomalies | WMS/ERCOT | 07/28/2016 |
| TAC Assignment: 2% Resettlement Rule | WMS/COPS | 12/01/2016 |