**AGENDA**

**Wholesale Market Subcommittee (WMS) Meeting**

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

Wednesday, November 2, 2016 – 9:30am

<http://ercot.webex.com>

Teleconference: 1-877-668-4493

Meeting number: 623 605 776

Meeting password: WMS

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|  1. | Antitrust Admonition | J. Carpenter |  9:30 a.m. |
|  2.  | Agenda Review  | J. Carpenter |  9:35 a.m.  |
|  3.  | **Approval of WMS Meeting Minutes (Vote)*** **October 17, 2016**
 | J. Carpenter |  9:40 a.m.  |
|  4.  | Technical Advisory Committee (TAC) Update and Assignments | J. Carpenter |  9:45 a.m.  |
|  | * Market Continuity Update
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|  | * Incorporation of Other Binding Documents into Protocols/Guides – Next Steps
 | K. Landry |  |
|  | * Proposed Revision Request Process Changes
 | K. Landry |  |
|  5.  | ERCOT Operations and Market Items | R. Surendran |  9:55 a.m.  |
|  | * **CRR Activity Calendar (Vote)**
 | C. Bivens |  |
|  | * SSR Update
 |   |  |
|  | * Greens Bayou Study Update
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|  6.  | New PRS Referrals (Possible Vote) | J. Carpenter | 10:05 a.m.  |
|  | *No referrals*  |   |  |
|  7.  | Revision Requests Tabled at PRS, Referred to WMS (Possible Vote) | J. Carpenter | 10:05 a.m.  |
|  | * NPRR768, Revisions to Real-Time On-Line Reliability Deployment Price Adder Categories
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|  | * NPRR776, Voltage Set Point Communication (QMWG 07/06/16)
 |  |  |
|  | * NPRR798, Additional CRR Accounts Request (CMWG 10/17/16)
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|  | * NPRR799, Updates to Outages of Transmission Facilities (CMWG/QMWG 10/17/16)
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|  | * NPRR802, Settlements Clean-up (QMWG 10/17/16)
 |  |  |
|  | * NPRR804, Remove Posting Requirement for One-Line Diagram
 |  |  |
|  | * NPRR777, ERCOT-directed Dispatch of Price-Responsive Distributed Generation
 | G. Thurnher |   |
|  8. | Reliability Must-Run (RMR) Issues (Possible Vote) |   | 11:05 a.m. |
|  | * TAC Assignment
 |  |  |
|  | * **RMR Issue: Long Term Solution – Alternatives to NPRR784, Mitigated Offer Cap for Reliability Must-Run (RMR) Units** **(Vote)**
 | B. Barnes |   |
|  | * Concept of Regional Reserves
 |  |  |
|  | Lunch |  | 12:00 p.m. |
|  9. | Market Credit Working Group (MCWG) | B. Barnes  |  1:00 p.m.  |
|  | * **NPRR800 Revisions to Credit Exposure Calculations to Use Electricity Futures Market Prices (Vote)**
 | S. Pabbisetty |   |
|  | * Credit Document Review
 |  |  |
| 10.  | Metering Working Group (MWG) | D. Sumbera |  1:30 p.m.  |
|  | * **SMOGRR018, EPS Metering for Three-Wire Wye Configurations (Vote)**
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|  | * **SMOGRR019, Clarifications and Updates to Paralleling Current Transformers, Instrument Transfer Name Plate Photos and Loss Potential Event Logging Requirements (Vote)**
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| 11.  | Resource Cost Working Group (RCWG) | P. Vinson |  1:35 p.m.  |
|  | * Switchable Generation Resources Concept; Option 1, Optional Switch and Option 2, Required Switch and Settlement (Possible Vote)
 |  |  |
| 12.  | QSE Managers Working Group (QMWG) | E. Goff |  2:05 p.m.  |
|  | * **AS Concepts (Vote)**
* **Direction to QMWG (Vote)**
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| 13. | Supply Analysis Working Group (SAWG) | B. Whittle |  2:50 p.m.  |
| 14. | Emerging Technologies Working Group (ETWG) | C. Blevins |  3:00 p.m.  |
| 15.  | Outage Coordination Working Group (OCWG) | L. Jones  |  3:10 p.m.  |
| 16.  | Other Business | J. Carpenter |  3:20 p.m.  |
|  | * Review of Open Action Items
 |   |  |
|  | * No Report
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|  | * Congestion Management Working Group (CMWG)
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|  | * Demand Side Working Group (DSWG)
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|  | Adjourn | J. Carpenter | 3:30 pm.  |

| Open Action Items | Responsible  | Assigned  |
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| 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 |
| 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 |
| Switchable Generation Resource Whitepaper  | QMWG/RCWG | 07/06/2016 |
| Evaluate concerns with bringing RUC units earlier than required | QMWG | 10/17/2016 |
| Review removal of PPA applied in Verifiable Cost from Protocol | 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 |
| TAC Assignment: Develop communication issue list during SCED anomalies | WMS/ERCOT | 07/28/2016 |