**MSWG Meeting Notes**

**Meeting Date: May 28, 2019**

##### Agenda

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| 1. | Antitrust Admonition |
| 2. | Agenda Review and Roll CallAdmonition read; Role taken; All agenda items discussed. |
| 3. | Review of March meeting notesNo comments/changes. |
| 4. | a. NPRR885 Must-Run Alternative (MRA) Topic: Performance Evaluation Carl Raish and Ino Gonzales from ERCOT provided a presentation on the details and revisions made in NPRR885. The presentation focused on performance metrics for MRA Service provided by Demand Response and Other Generation. Some highlights are listed below. Please see the original file posted on the meeting page for the complete presentation:* MRA deployment event does not last more than a day.
* Demand Response MRAs may not be deployed more than once per day. Generation Resources may.
* MRA obligations end at either the end of contracted hours or ERCOT’s release instruction, whichever comes earlier.
* A QSE can offer MRA for hours that its Resource has ERS obligations. If awarded MRA, the Resource will be excused of its ERS obligations for those hours (NPRR846).
* Substitutions are not in the MRA contract. Substitutions have to be like the original MRA. Reliability benefit must be greater than or equal to the original MRA.
* Generation Resources cannot have substitutions.
* Registered Resource QSE is MRA QSE. If in NOICE territory, may have different QSE.
* ERCOT will work with MSWG to provide more clarification language later on Generator Site Shift Factor.
* Performance evaluation report is provided no later than 45 days after an event. MRAARF is one for the Initial Settlement. Corrections of meter data may make to the Final Settlement.
* The squaring will not be in the settlement matrix. (MRAIPF be reduced for an MRA<0.95)
* Co-located DR and OG will be deployed together.

MSWG will revise its Questions/Comments document (Clarify 885NPRR MSWG.docx) based on the clarifications made and continue the deep dive on MRA in the next MSWG meeting. |
| 4. | b. NPRR885 MRA Question List Will delay it to June MSWG meeting |
| 5. | Settlement Stability Report 100% disputes resolved timely. All settlements stability evaluations look normal. CRR Balancing Account is back to $10 million since Feb 2019. A special slide in TAC ERCOT reports (Monthly Board Operations Report Update) has the CRR Balancing Account balance history. |
|   | Possible lunch break |
| 6. | 2019 Release Targets with Settlement Impacts May & June * NPRR910 – Clarify treatment of RUC Resource that has a DAM Three-Part Supply Award. No shadow impact.
* NPRR912 – Settlement of Switchable GR instructed to switch to ERCOT. Possibly no shadow impact
* NPRR821 – Elimination of CRR Deration process for Resource Node to Hub or Load Zone CRRs. Calculation impact.
* NPRR887 – Monthly posting of default uplift exposure information. New report. No impact to settlement.
* NPRR895 – Inclusion of PVGRs in Real Time AS Imbalance payment or charge. Impact AS imbalance. Shadow settlement impact.
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| 7. | Matrix Updates Added language for NPRR912. Will be posting soon with language added for NPRR821. Please note change log at the end of the document.Settlement Matrix is currently 214 pages, mainly of copy paste protocol formulas. Also, the Matrix is not the optimal way to review formulas, as they are difficult to maintain. ERCOT suggests to downplay duplicative info, and focus on things not documented in the protocols. Need to decide what to remove/keep/add. Will continue looking at proposed changes in June meeting. |
| 8. | UFE Report – Should MSWG be target audience? This UFE report was presented at last PWG meeting. Needs a home audience. The previously deemed appropriate subcommittee was COPS. Probably more appropriate for WMS because of its broad feel.Negative UFE indicates load/loss are overestimated. Advanced meters (2009-2013 transition period) contributed to the improvement/stabilization of UFE. |
| 9. | WMS Update * Can we add Balancing Account Fund to the settlement stability report? Probably not. Everything in the stability report is from the Protocols requirements.
* There should be an ERO invoice next month. ERCOT invoices will go to Notice\_Settlements, Accounts Payable and Authorized Representatives. Confirm and give feedback if not as expected.
* Possible assignment on energy storage from WMS.
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| 10 | Status of NPRR917 Grandfathering issue continues. |
| 11 | Energy Storage Workshop & RTC Update (4/4, 4/18, 4/30, 5/13)* Energy Storage Workshop on 4/23/19: The workshop included technical discussions such as the automation, chemistries, operating characteristics, and degradation of Battery Energy Storage Resources (BESR). All market data inputs are measured at the Point of Interconnection (POI).
* RTC Update: RTCTF had meetings on 4/22, 4/30 and 5/13. Settlement included as the endpoint of each facet of the changing market design. The 5/13 meeting has three increasingly complex Settlement scenario spreadsheets.
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| 12 | Evaluation of New NPRRs for Settlement Impacts |
| 13 | Other business Next meeting will be in the afternoon of June 25. |
| 14 | Adjourn |