MINUTES OF THE RULES CHANGE COMMITTEE 131st REGULAR MEETING (No. 2017-09)	
Meeting Date & Time:	07 July 2017, 9:00 AM to 1:00 PM
Meeting Venue:	19/F PEMC Conference Room, Robinsons Equitable Tower, Ortigas Center, Pasig City
Attendance List	
In-Attendance	**Not In-Attendance**
Rules Change Committee **Principal Members:** Maila Lourdes G. de Castro, Chairperson – Independent Francisco Leodegario R. Castro, Jr. – Independent Allan C. Nerves–Independent Abner B. Tolentino – Generation (PSALM) Jose Ildebrando B. Ambrosio – Generation (Northwind) Ciprinilo C. Meneses – Distribution (MERALCO) Juanito O. Tolentino, Jr. – Distribution (MECO) Jose P. Santos –Distribution (INEC) Ludovico D. Lim – Distribution (ANTECO) Lorreto H. Rivera – Supply (TPEC) Ambrocio R. Rosales – System Operator (NGCP) Isidro E. Cacho – Market Operator (PEMC)	Concepcion I. Tanglao – Independent Theo Cruz Sunico – Generation (1590 EC)
PEMC – Market Assessment Group (MAG) Geraldine A. Rodriguez Ma. Delia B. Arenos Karen A. Varquez Divine Gayle C. Cruz Kenneth Rae Rosales	

PEMC – Legal

Atty. Caryl Miriam L. Mateo
Atty. Sheryll M. Dy

PEMC – Billing and Settlement

Renato B. Afurong
Richard Glenn C. Araullo

PEMC – Enforcement and Compliance

Hazel M. Gubaton – Lopez

PEMC – Corporate Planning and Communication

Jonathan B. dela Vina

PEMC – Trading and Operations

Edward I. Olmedo

DOE Observers

Ferdinand B. Binondo

There being a quorum and as requested by Chairperson Maila G. de Castro, Mr. Francisco Leodegario R. Castro, Jr. called the meeting to order at approximately 9:15 AM. On the review of the proposed agenda, the Secretariat proposed for the inclusion of the review of the RCC work plan. The RCC agreed with the suggested additional item in the agenda and thereafter adopted the proposed agenda, as revised.

1. Review of the Minutes of the Previous Meetings

Mr. Castro led the review of the minutes of the RCC meeting. The Secretariat informed the RCC that the minutes already incorporated the comments of Messrs. Ferdinand B. Binondo, Ambrocio R. Rosales and Ciprinilo C. Meneses.

On lines 193-209 of the minutes, Mr. Rosales raised his concern regarding the statement which provides that generators can voluntarily shut down to address the excess generation in

the system because he thinks that no generators are expected to do the same. He also added that there are still no downward ancillary services in the WESM which may aid in addressing the excess generation in the grid. Considering the concerns raised, Mr. Castro recommended discussing the concerns raised when the WESM Manual on Dispatch Protocol is discussed later in the agenda.

Minor corrections to the minutes, as raised by the body, were adopted by the RCC. Upon, motion made and seconded, the RCC approved the minutes of the 130th RCC Meeting, held on 09 June 2017, as revised.

Agreements/Action Plans
The RCC approved the minutes of 130th RCC meeting, as revised.

2. Business Arising from Previous Meetings

2.1. Finalization of the Proposed Amendments to the Information Disclosure and Confidentiality (IDC) Manual

Mr. Isidro E. Cacho Jr. requested clarification from the RCC on its approval, during the 130th RCC Meeting, on the re-classification of over-riding constraints, contingency limits and outages as public information from its current classification as "confidential with expiration". Noting that the timeline for the said publication was not clarified during the deliberation, Mr. Cacho inquired if the publication of the data in the market information website will still be one (1) day after the relevant trading day, as currently practised. There being no objection, the RCC approved the timeline as previously provided in the manual.

Noting that there were no other matters for deliberation, the RCC approved the endorsement to the PEM Board of the proposed amendments to the IDC Manual for the implementation of WESM design enhancements.

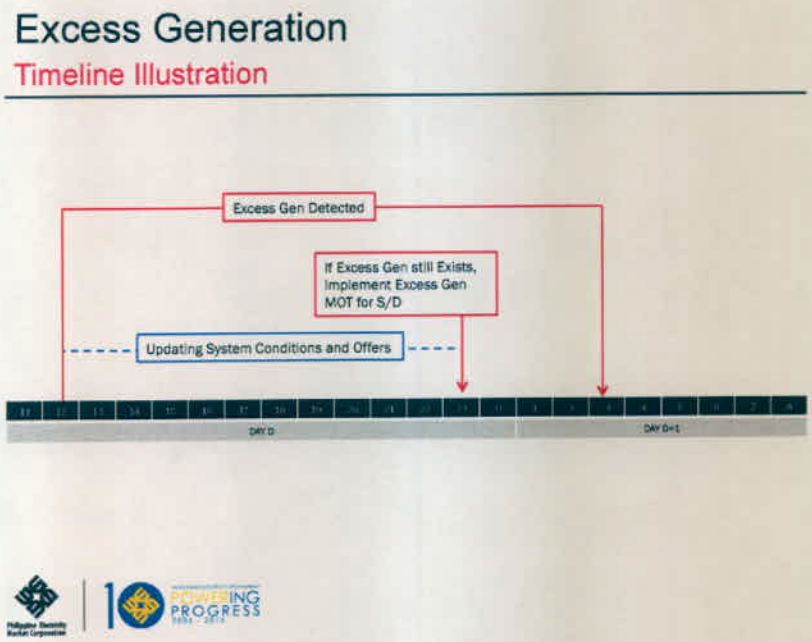
Agreements/Action Plans
The RCC approved the proposed amendments to the IDC Manual for submission to the PEM Board for its subsequent transmittal to the DOE.

2.2. Finalization of the Proposed Amendments to the WESM Rules and Various Manuals for the Implementation of WESM Design Enhancements to the Dispatch Protocol Manual Issue 12 (Proposed Dispatch Protocol Manual Issue 13)

Mr. Edward I. Olmedo spearheaded the discussion on the finalization of the proposed amendments to the WESM Rules and WESM Manual on Dispatch Protocol for the Implementation of WESM Design Enhancements. Taking off from the discussions of the previous meeting, Mr. Olmedo presented PEMC's recommendation on the procedures to be observed to address anticipated excess generation determined during day-ahead projection.

On the criteria using the Day-Ahead Projection (DAP) to determine if there is foreseen excess generation, Mr. Olmedo explained that it may be assumed that there is excess generation if: (1) the market results reflect the offer floor price; and (2) if the aggregate unscheduled technical Pmin of generating units offered at floor price is greater than or equal to the secondary reserve requirement. Once these two conditions are met, the Market Operator shall then provide notice to the Trading Participants regarding the foreseen excess generation.

Mr. Olmedo then proceeded with the presentation of PEMC's proposed shutdown procedure upon occurrence of the foreseen excess generation as follows:



- Projections, through the DAP, shall be continuously updated hourly to determine if excess generation persists given updates on system conditions and offers from generators

- Should there be any indication of excess generation four (4) hours prior to the affected hour, the Market Operator shall then inform the System Operator to prescribe the shutdown of generating units based on the WESM excess generation merit-order table provided by the Market Operator

- The excess generation merit-order table shall be based on the average loss factor computed every six (6) months.

On the average loss factor, Mr. Olmedo explained that PEMC computed for the minimum, maximum and mean values of the loss load factor. Mr. Meneses opined that the average loss factor should be computed for the day, at the very least, since the values should be for the present state of the system. Mr. Cacho explained that the variation on the values of the average loss factor will not be significant within the 6-month timeline. Mr. Meneses opined, on the other hand, that the values will differ considering the current state of the system such as when there are transmission lines on outage. Mr. Olmedo then suggested that the average loss factor be computed every 1200H and used for that particular day.

On the dispatch conformance standards, Mr. Olmedo discussed that should an excess generation be detected for an affected hour, the reaction period (currently 4 dispatch intervals) shall be suspended for that hour. This means that any non-compliance during the affected hour shall immediately be flagged for possible breach. He explained that the generators may still commit its capacity to the market even though the Market Operator has already released a notice on excess generation. Atty. de Castro inquired if there will be corresponding amendments to other WESM Manuals for this procedure. Mr. Olmedo informed the RCC that PEMC shall present afterwards, the amendments to the WESM Manual relevant to the discussed procedures.

Mr. Rosales inquired about the dispatch schedule of the generators when the reflective price in the market is already at the offer floor price. Mr. Olmedo explained that even though all the generators have already offered at the offer floor price, the WESM excess generation merit-order table shall still be used in determining the order of shutting-down generators. Mr. Rosales explained that currently, the procedure is to dispatch all online generators at its Pmin upon occurrence of excess generation. Considering the zero Pmin in the new Market Management System, the dispatching of generators will depend on its offers. He also opined that the implementation of the zero Pmin is intended to address the non-compliance on the must-offer rule.

Regarding the concerns on the abrupt scheduling of generators to zero Pmin, Mr. Olmedo explained that this case may not happen in the market since the new Market Management System already considers the ramping limits of the generators in the optimization. Explaining more about the commitment and de-commitment of generators, Mr. Olmedo, stated that upon notice of an excess generation, a generator may adjust its offers in the market depending on its intention to be scheduled at a particular interval. Considering the commitment and de-commitment, Mr. Rosales inquired if generators may opt not to submit its offers, anymore. Mr. Olmedo explained that the adjustments shall still be done through offers in order to comply with the must-offer rule. Mr. Rosales opined that setting the online generators at its Pmin will help in shutting down generators. He recommended the order of the shutdown to be from the fast-start generators until generators which are left are those running on its technical Pmin. Mr. Olmedo stated that the system is not capable of scheduling generators

at its Pmin, since the Pmin is currently set at zero. Meanwhile, those generators that still want to commit and be scheduled during the hour where an excess generation is foreseen shall offer at the offer floor price and shall have a low average loss factor, in order to be scheduled and dispatched.

To finalize the agreements, Mr. Cacho discussed as follows:

- Excess generation is foreseen in the day-ahead projection (DAP) when:
  - ✓ the market results would reflect the offer floor price; and
  - ✓ the demand is below the technical Pmin

- The procedures in addressing the excess generation during DAP are as follows:
  - ✓ the excess generation merit-order table shall be determined using the 1200H average loss factor during the day-ahead projection, giving due consideration to fast-start generating units

Mr. Binondo then inquired on the possibility that all generators will offer their respective technical Pmin at another price other than the floor price. Considering the inquiry, the RCC agreed to remove the offer floor price as a criteria in determining an excess generation during the DAP and retain the criteria which provides that an excess generation is existent during DAP when the aggregate technical Pmin of generating units is greater than the forecasted demand.

After further deliberation with inputs from the System Operator, the RCC agreed on the following procedures for inclusion in the Dispatch Protocol Manual (DPM) and the corresponding revisions to the enumerated sections:

Agreed Procedures	Proposed Amendments
Excess generation was defined as the situation when the aggregate technical Pmin of generating units is greater than the forecasted demand	***18.3.1 There is an impending excess generation when the aggregate Technical Pmin generating units is greater than the forecasted demand.***
If there is still an indication of the occurrence of excess generation five (5) hours from the affected hourly interval, the System Operator shall prescribe the restriction of must-dispatch and priority dispatch generating units	***18.3.5 Should there be any indication of an excess generation five (5) hours prior to the affected hourly interval, the System Operator shall prescribe the restriction of must dispatch and priority dispatch generating units.***
If there is still an indication of the occurrence of excess generation three (3) hours from the affected hourly interval, the System Operator shall prescribe the shut-down of generating units based on the excess generation merit order table to be provided by the Market Operator.	***18.3.6 Should there still be any indication of an excess generation three (3) hours prior to the affected hourly interval, the System Operator shall prescribe the shutdown of generating units based on the WESM excess generation merit order table provided by the Market Operator. The excess generation merit order table shall consider the latest 1200H DAP's loss***

Agreed Procedures	Proposed Amendments
The excess generation merit order table shall consider the transmission loss factors determined through the 1200H day-ahead projection, including the order of shutdown as referred in the WESM Rules.	***factor, including the following order for shutdown:*** ***a. Fast start scheduled generating units;*** ***b. Must dispatch generating units;*** ***c. Priority dispatch generating units;*** ***d. Non-scheduled generating units; and*** ***e. Scheduled generating units.***

125

126 Mr. Olmedo also added that the section on Provision for Non-Reliability Must Run Dispatch
127 Auction is proposed to be deleted since it is already addressed in the agreed upon procedures
128 for excess generation.

129 The RCC likewise adopted the following further amendments to the WESM Rules and other
130 sections of the Dispatch Protocol Manual, for consistency:

131 **WESM Rules**

WESM Rules Clause	Proposed Amendment	RCC Discussion
During the hour ahead projection and/or dispatch Interval, if Excess Generation is imminent or is detected in the Power System by the System Operator in accordance with the Grid Code and it is established that the Excess Generation is being caused by a Generating System that is not following its dispatch schedule or observing a linear ramp rate, then the Generation Company representing the Generating System in the market may be liable of a sanction under Clause 7.2. The Generation Company representing the Generating System that is not following its Dispatch Schedule or observing linear ramp rate, however, shall compensate other Generation System that has been constrained-off by the System Operator. Such conditions shall also be considered in the procedures to be developed under Clause 3.9.8.2.	**If** ~~During the hour ahead projection and/or dispatch Interval, if~~ Excess Generation is imminent **as determined based on the day-ahead projection, all generating units shall comply with their dispatch schedules during such period of excess generation.** ~~or is detected in the Power System by the System Operator in accordance with the Grid Code and it is established that the Excess Generation is being caused by a Generating System that is not following its dispatch schedule or observing a linear ramp rate, then the Generation Company representing the Generating System in the market may be liable of a sanction under Clause 7.2. The Generation Company representing the Generating System that is not following its Dispatch Schedule or observing linear ramp rate, however, shall compensate other Generation System that has been constrained-off by the System Operator. Such conditions shall also be considered in the procedures to be developed under Clause 3.9.8.2.~~	Mr. Olmedo explained that the clause provides that all generating units must comply with their dispatch schedules during periods of excess generation.

132 **WESM Manual on Dispatch Protocol**

Original Provision	Proposed Amendment	RCC Discussion
12.5.2. NEW	12.5.2. xxx e. If the unit becomes compliant ~~immediately~~ after the reaction period, counting of non-compliance shall be stalled and the non-compliance count shall thus not be incremented. Counting of non-compliance will continue and the non-compliance count will again be incremented when the generating unit is flagged as non-compliant in the succeeding interval. In this case, the non-compliance count shall only be stopped and be reset to zero if the generating unit is able to sustain dispatch compliance or is not flagged as non-compliant pursuant to Section 12.5.2 (b) for at least three (3) consecutive dispatch intervals. xxx **g. However, if there is an impending excess generation as determined under Section 18.3 of this Dispatch Protocol, no reaction period will be applied and the Trading Participant shall comply with the dispatch schedules within the allowed dispatch threshold. In such cases, the counting of probable breach will start on the first non-compliance.** ~~g~~ **h.** xxx ~~h~~ **i.** xxx	Mr. Olmedo explained that the proposed revision is to state that no reaction period will be applied if there is impending excess generation, and that Trading Participants shall comply with the dispatch schedules within the allowed dispatch threshold. Further, Mr. Olmedo explained that the deletion of the term "immediately" is for clarity.
NEW	Appendix F. Counting the Non-Compliance and Possible Breach	*Please see the attached Annex A. Appendix F. Counting the Non-Compliance and Possible Breach*

133 There being no other matters for deliberation, the RCC approved the endorsement to the PEM
134 Board of the proposed amendments to the DPM for the implementation of WESM design
135 enhancements.

Agreements/Action Plans
The RCC approved the proposed amendments to the DPM for the implementation of WESM design enhancements for endorsement to the PEM Board.

2.3. Finalization of Proposed Amendments to the WESM Manual on Metering Standards and Procedures relative to WESM Design Enhancements

Ms. Geraldine A. Rodriguez informed the RCC that the presentation of the sample computations for Site-Specific Loss Adjustment (SSLA) using individual 5-minute meter readings and 15-minute meter readings divided by three in one (1) hour based on three metering points, is in line with the request of the body during its previous meeting. She also recalled that upon transmittal of the sample computation to the RCC, Mr. Meneses provided comments on the same regarding the discrepancies in the values of the computation, which were immediately clarified as clerical errors by PEMC – Billing, Settlement and Metering Department (PEMC – BSMD).

Mr. Richard Glenn C. Araullo PEMC – BSMD presented the sample computation which used actual data from NGCP where the main revenue meter and back-up meter simultaneously recorded 5-minute data and 15-minute data, respectively, for the same 1-hour interval.

A comparison of the computations using 5- and 15-minute meter data resulted to small differences, with actual 5-minute meter readings yielding slightly more losses. Mr. Ludovico Lim opined that this may be caused by the conversion of kiloWatt-hour readings to kiloWatt values to add the transformer losses. He further suggested to try and convert the transformer losses to kiloWatt-hour values. Mr. Meneses added that this may be done by dividing the transformer losses by twelve (12). Mr. Araullo explained that there would be a difference in the line currents if the suggested computation is to be adopted. He further explained that the readings for each interval vary significantly from the other which may somehow cause the discrepancies since the line currents, as used in the computation, have exponents. The RCC noted the information.

Considering the discussion above, the RCC found the results of the computations, specifically the differences in SSLA, to be reasonable. The body hence agreed to include in the WESM Metering Manual the sample computations. Mr. Meneses requested PEMC to list the assumptions used to arrive at the actual numbers and provide corresponding schematic diagrams to qualify the accuracy of the computations. The same shall then be included in the market manual. The RCC also requested PEMC to provide said information via e-mail for their approval.

There being no further matters for deliberation and subject to PEMC's submission of the sample computation diagrams through email as requested, the RCC adopted the proposed amendments to the WESM Metering Manual.

Please find the attached Annex B. Site Specific Loss Adjustment Sample Computation

Agreements/Action Plans
The RCC to approve the sample site specific loss adjustment computation and the corresponding schematic diagrams through e-mail for inclusion in the WESM Manual on Metering Standards and Procedures.

2.4. RCC Resolution No. 2017-08 – Proposed Amendments to the WESM Rules and Market Surveillance, Compliance and Enforcement Market Manual

The RCC reviewed the draft RCC Resolution approving the Proposed Amendments to the WESM Rules and Market Surveillance, Compliance and Enforcement Market Manual for its review and approval. Clerical amendments were incorporated in the resolution, for clarity.

Agreements/Action Plans
The RCC approved the draft RCC Resolution No. 2017-08 approving the Proposed Amendments to the WESM Rules and Market Surveillance, Compliance and Enforcement Market Manual for submission to the PEM Board.

2.5. RCC Resolution No. 2017-09 – Proposed Amendments to the WESM Rules and Proposed New WESM Manual on Enforcement and Compliance

The RCC reviewed the draft RCC Resolution approving the Proposed Amendments to the WESM Rules and Proposed New WESM Manual on Enforcement and Compliance. Atty. De Castro inquired about the date of approval provided in the draft resolution. The Secretariat raised that the approval date shall be revised as there were still some concerns thereafter raised that required the approval of the RCC.

On the proposed amendments to WESM Rules related to the responsibilities of the Market Operator on the possible incidents for non-compliance in the WESM, the "anti-competitive

behaviour" was proposed to be deleted since it was not within the jurisdiction of the Market Operator but with the Energy Regulatory Commission.

Agreements/Action Plans
The RCC approved draft RCC Resolution No. 2017-09 approving the Proposed Amendments to the WESM Rules and Proposed New WESM Manual on Enforcement and Compliance for submission to the PEM Board.

3. New Business

3.1. Proposed Amendments to the WESM Rules and Manuals on the Change in the Location of Metering Points

Mr. Jonathan B. dela Vina presented the subject proposal, which intends to set the ideal location of metering points at connection points of Trading Participants and improve the accounting of losses in the transmission system. Aside from the WESM Rules, the affected Manuals were the following:

- WESM Metering Standards and Procedures Issue 11.0
- Market Network Model Development and Maintenance – Criteria and Procedures Issue 3.0
- Registration, Suspension and De-registration Criteria and Procedures Issue 3.0

Mr. Binondo inquired about the requirement for a metering point to be considered as a market trading node. This will result to the removal of the need calculate for the SSLA. He also recalled that during the discussion with Mr. Olmedo, he was informed that there are no remote-terminal units (RTU) in the market trading nodes. Mr. dela Vina explained that for the load customers, the implementation for the metering point to be the market trading node may be possible. Mr. Cacho further explained that the metering location shall be transferred to the point where the RTU is installed.

Following initial discussions, the RCC approved the publication of the proposal in the market website, as submitted.

Please find the attached Annex C. Presentation on the Proposed Amendments to the WESM Rules and Manuals on the Change in the Location of Metering Points

3.2. Proposed Amendments to the WESM Rules, Retail Rules and Retail Manuals for Clarifications on Retail Market Integration

Mr. dela Vina presented the subject proposal, which intends to clarify the application of market processes on retail market participants. The proposed amendments specifically aim to provide in the WESM Rules relevant references to the Retail Rules, clarify the treatment of retail market participants in the WESM Rules, and clarify that the standards under the Philippine Distribution Code apply to contestable customers within distribution utilities, with interval metering the only additional requirement by the market. Amendments were proposed on the following:

- WESM Rules
- Retail Rules (as amended under RCC Resolution No. 2017-04
- Retail Manual on Metering Standards and Procedures Issue 2.0

Mr. Meneses inquired if generators can declare bilateral contracts for a customer's specific node in order to reduce the line rental cost. Mr. dela Vina explained that the generator and customer can specify two (2) nodes: (1) reference node for the pricing; and (2) node for the calculation of line rental. Regarding the response of Mr. Dela Vina, Mr. Jose P. Santos stated that he tried specifying nodes but the same was not considered/ applied by PEMC. Mr. Binondo opined that specifying the nodes may affect the actual metered quantity of the generator and the load customer. He further suggested that only the reference pricing be specified in the settlement.

Following initial discussions, the RCC approved the publication of the proposal in the market website, as submitted.

Please find the attached Annex D. Presentation on the Proposed Amendments to the WESM Rules, Retail Rules and Retail Manuals for Clarifications on Retail Market Integration

4. Other Matters

4.1. DOE Department Circulars

Ms. Rodriguez provided updates on the DOE's recent promulgations of proposed amendments, as follows:

DOE Department Circular	Details
DC2017-03-0001 (20 March 2017) – Adopting Further Amendments to the WESM Rules and Market Manuals for the Implementation of Enhancements to WESM Design and Operations	Includes the adoption of the Price Determination Methodology Manual Issue 1.0 and further amendments to the Constraint Violation Coefficient an Pricing Re-run Manual Issue 5.0

DOE Department Circular	Details
DC2017-03-0002 (20 March 2017) – Further Amendments for the Implementation of Must-Dispatch and Priority Dispatch Generating Unit	The following Manuals took effect on 15 June 2017: a. Billing and Settlement Manual Issue 5.0 b. MO Information and Disclosure and Confidentiality Manual Issue 4.0 c. Metering Standards and Procedures Issue 11.0 d. Registration, Suspension and De-registration Criteria and Procedures Issue 3.0 e. Guidelines on Significant Variations In and Between Trading Intervals Issue 3.0 f. Procedures for Monitoring of Forecast Accuracy Standards for Must-Dispatch Generating Units Issue 1.0
DC2017-04-0003 (20 April 2017) – *Adopting the WESM Manual on Guidelines Governing the Constitution of PEM Committees and its Further Amendments*	
DC2017-04-0004 (20 April 2017) – *Adopting Further Amendments to the WESM Rules and Market Manuals (Provisions on Registration)*	The approved amendments reflect that the non-approval or rejection of WESM Membership application is no longer a subject of dispute resolution in the WESM.
DC2017-04-0005 (20 April 2017) – *Adopting the WESM Manual on the Management of Net Settlement Surplus and its Further Amendments*	
DC2017-04-0006 (20 April 2017) – Adopting Further Amendments to the WESM Rules and Market Manuals	Amendments to the WESM Manuals on Management of Must-Run and Must-Stop Units and Administered Price Determination Methodology are as regards the timeline of submission of claims for additional compensation.
DC2017-04-0007 (20 April 2017) – *Adopting the WESM Manual on Dispatch Protocol and its Further Amendments*	The Dispatch Protocol Manual Issue 12.0 took effect on 17 June 2017.

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246 The RCC noted the information.

4.2. Review of the 2017 RCC Work Plan

The Secretariat facilitated the brief review and update of the 2017 RCC Work Plan.

On the Financial Penalty Manual, Ms. Rodriguez informed the RCC that during its deliberation on the Proposed Amendments to the WESM Rules and Market Manual on Market Surveillance, Compliance and Enforcement, the body agreed that the Financial Penalty Manual shall go through the rules change procedures as provided in the Chapter 8 of the WESM Rules. However, a review of the provisions in the WESM Rules regarding the Financial Penalty Manual indicated that the same shall be promulgated by the Market Surveillance Committee (MSC). She stated that the said manual is, however, intended to be submitted by the MSC to the DOE. The RCC noted the information.

For the proposals that were originally lined-up for submission to the RCC within Q2 2017 but have yet to be received by the RCC, the concerned proponents moved their respective target timeliness of submission of their proposals at a later period. Atty. De Castro also recommended that the proposed submission of the RCC be adjusted accordingly with the expected submission of the proposals.

The RCC agreed with the revisions to the Work Plan.

Please find the attached Annex E. RCC Work Plan 2017

5. Next Meeting

The RCC agreed to hold subsequent meetings on the following schedules:

- **August 4**
- **September 1**
- **October 6**

6. Adjournment

There being no other matter to be discussed, the meeting was adjourned at around 2:00 PM.

Prepared By:	Reviewed By:	Noted By:
[redacted]	[redacted]	[redacted]
Aldjon Kenneth M. Yap	Geraldine A. Rodriguez	Elaine D. Gonzales
Analyst *– Market Governance Administration Unit*	***Assistant Manager*** *– Market Governance Administration Unit*	***Manager*** *– Market Data and Analysis Division*
Market Assessment Group	***Market Assessment Group***	***Market Assessment Group***

Approved by: RULES CHANGE COMMITTEE [redacted] **Maila Lourdes G. de Castro** Chairperson Independent	
Members:	
Concepcion I. Tanglao Independent	[redacted] **Francisco L.R. Castro, Jr.** Independent
[redacted] **Allan C. Nerves** Independent	[redacted] **Isidro E. Cacho, Jr.** Market Operator Philippine Electricity Market Corporation (PEMC)
[redacted] **Ambrocio R. Rosales** Transmission Sector National Grid Corporation of the Philippines (NGCP)	[redacted] **Abner B. Tolentino** Generation Sector Power Sector Assets and Liabilities Management Corporation (PSALM)
[redacted] **Jose Ildebrando B. Ambrosio** Generator Sector NorthWind Power Development Corp. (NorthWind)	**Theo C. Sunico** Generation Sector Vivant Corporation
[redacted] **Ciprinilo C. Meneses** Distribution Sector (PDU) Manila Electric Company (MERALCO)	[redacted] **Jose P. Santos** Distribution Sector (EC) Ilocos Norte Electric Cooperative, Inc. (INEC)
Juanito O. Tolentino, Jr. Distribution Sector (PDU) Mactan Electric Company (MECO)	[redacted] **Ludovico D. Lim** Distribution Sector (EC) Antique Electric Cooperative, Inc. (ANTECO)
Lorreto H. Rivera Supply Sector TeaM (Philippines) Energy Corporation (TPEC)	