



PUBLIC

WESM Manual

Market Operator Information Disclosure and Confidentiality Manual

Issue 5.1 | WESM-IDC

This manual presents the guidelines and procedures for the disclosure and protection of information received or generated by the Market Operator arising from or in the course of the performance of its functions of operating the Wholesale Electricity Spot Market.

Approval Date: 31-Mar-2021 | Publication Date: 01-Apr-2021

PEMC Website Posting Date: 25-June-2021 | Effective Date: 26-Jun-2021

In case of inconsistency between this document and the DOE Circulars, the latter shall prevail.

Document Change History

Issue No.	Proponent	Date of Effectivity	Reason for Amendment
1.0	PEMC-MO		Original document
2.0	PEMC	10 November 2008	Revised Sections 4, 5, 6 and 7 (and sub-sections) to amend list of confidential and non-confidential information, and add a section on classification of disclosure of market information. Revised Market Information Catalogue.
3.0	APC/ PEMC	20 June 2013	Revised subsection 5.3 to amend the list of permitted disclosures/exceptions to confidentiality
4.0	PEMC	15 June 2017	Implementation of Preferential Dispatch
5.0	PEMC	26 June 2021	Revised various sections to incorporate revisions related to the implementation of enhanced WESM design and operations
5.1	IEMOP		Reflect urgent amendments to the procedures between the Market Operator and the System Operator
	PEMC		Revised formatting for the commencement of the enhanced WESM design and operations per DOE Department Circular No. DC2021-06-0015.

Document Approval

Issue No.	RCC Approval	RCC Resolution No.	PEM Board Approval	PEM Board Resolution No.	DOE Approval	DOE Department Circular No.
1	07 September 2006	2006-32	27 September 2006	2006-51	N/A	N/A
2	02 June 2010	2010-06	25 August 2010	2010-56	N/A	N/A
3	15 May 2013	2013-04	20 June 2013	2013-33	N/A	N/A
4	01 June 2016	2016-07	10 November 2016	2016-30	20 March 2017	2017-03-0002
5	07 July 2017	2017-09	26 October 2017	2017-29	28 March 2018	2018-04-0011
5.1	30 March 2021	2021-02	31 March 2021	2021-34-09	N/A	N/A
	N/A	N/A	N/A	N/A	25 June 2021	2021-06-0015*

**Declaring the Commercial Operations of Enhanced WESM Design and Providing Further Policies*

Reference Documents

Document ID	Document Title
	WESM Rules

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SECTION 1 PURPOSE

This Manual presents the guidelines and procedures for the protection and disclosure of market information by the *Market Operator* and by the *WESM Members*. It includes the Market Information Catalogue and the procedure for updating the same.

This Manual implements Chapter 5 of the WESM Rules.

SECTION 2 SCOPE

This Manual covers market information furnished to or received by, or produced or provided by the *Market Operator* in the course of or arising from its operations of the WESM, including information that is required by the *WESM Rules* and the various WESM manuals to be published, disclosed or protected by the *Market Operator* or the *WESM members*.

This Manual does not cover the disclosure or protection of information relating to, furnished to or arising from the processes and activities relating to the governance of the WESM, including those of the PEM Board and its Committees, the Enforcement and Compliance Office and the Market Assessment Group. These will be covered by procedures or guidelines specific for these purposes.

SECTION 3 DEFINITIONS, REFERENCES AND INTERPRETATION

3.1 Definitions

3.1.1. Unless otherwise defined, the terms used in this Market Manual which are defined in the WESM Rules and Market Manuals shall bear the same meaning as defined in the WESM Rules and Market Manuals.

3.1.2. The following words and phrases as used in this Market Manual shall have the following meaning:

- a. **Disclose** means to directly or indirectly reveal, distribute report, publish or otherwise transfer information to any party other than to the party that originally provided the information.
- b. **Disclosing Party** is the party that owns, furnishes or provides confidential information.
- c. **Market information** means any information in written, oral, electronic or other form that is furnished to or received by or produced or provided by the *Market Operator* in the course of or arising from its operations of the WESM that is related to *market transactions* including but not limited to forecasting, projections, scheduling, pricing and dispatch of electricity, and to the metering and settlements of *market transactions*.
- d. **Market Transaction** means the sale or purchase of electricity or other services made through the *spot market*.
- e. **Recipient** is the party that receives confidential information.

3.2 References

This *Market Manual* shall be read in association with the *WESM Rules* and other relevant *Market Manuals*.

3.3 Interpretation

3.3.1. Any reference to a clause in any section of this Market Manual shall refer to the particular clause of the same section in which the reference is made, unless otherwise specified or the context provides otherwise.

3.3.2. Where there is a discrepancy or conflict between this Market Manual and the WESM Rules, the WESM Rules shall prevail.

3.3.3. Standards and policies appended to, or referenced in, this Market Manual shall provide a supporting framework.

SECTION 4 CONFIDENTIAL OR PROTECTED INFORMATION

4.1 Criteria for confidentiality

Confidential information is information that is determined by the Market Operator to meet any of the following criteria and which are not otherwise available to the public, the Market Operator or the WESM Members without restriction from any other source -

- a. commercially sensitive information is -
 - (1) any information that relates to or may affect price, quantity or any other aspect of market transactions or transactions related to purchase or sale of electricity; or
 - (2) any proprietary information or material or information relating to or associated with the business, product or services of a person or entity which have been developed by the owner
- b. security information is information which if disclosed, altered or misused may threaten the security and reliability of the power system.

Confidential information includes the information disclosed by the disclosing party, any copies of said information and anything that the recipient derives from the confidential information.

4.2 Information considered as confidential

Without limiting the generality of the foregoing definition and criteria and subject to permitted disclosures set forth in the *WESM Rules* and in this *Manual*, the following market information shall be considered confidential:

- a. bids and offers information identifiable to a specific *Trading Participant* or *WESM member*;
- b. energy and reserve dispatch projections and schedules identifiable to a specific *Trading Participant* or *WESM member*;
- c. dispatch instruction identifiable to a specific *Trading Participant* or *WESM member*;

- d. transmission network data or information provided and classified by the *System Operator* as confidential information;
- e. metering installation information identifiable to a specific *Trading Participant*;
- f. raw, adjusted and edited metered data identifiable to a specific *Trading Participant* or *WESM member*;¹
- g. settlement amounts, settlement statements and any other information contained in such statements and other settlement information identifiable to a specific *Trading Participant* or *WESM member*;
- h. bilateral contract data declared by or identifiable to a specific *Trading Participant* or *WESM member*;
- i. line rental information identifiable to a specific *Trading Participant* or *WESM member*;
- j. prudential security information identifiable to a specific *Trading Participant*;
- k. projected output provided by *Trading Participants* in respect of their must dispatch generating units or priority dispatch generating units that are identifiable to that *Trading Participant*; and
- l. nomination of loading levels for non-scheduled generating units.

This list is a non-exhaustive list.

4.3 Information not considered as confidential

4.3.1. The following information shall not be considered confidential:

- a. for *real-time dispatch* and *market projections*:
 - i. *nodal energy dispatch prices, zonal energy prices, and reserve prices* for each reserve category in each region
 - ii. reserve requirements
 - iii. load forecasts
- b. actual system demand;
- c. *final nodal energy dispatch prices* and *reserve dispatch prices* used for settlements;
- d. *net settlement surplus* or deficit allocation;
- e. participant registration data and changes thereto, specifically, the following:
 - i. maximum generation capacity (Pmax)
 - ii. minimum generation stable loading (Pmin)
 - iii. generator ramp up and ramp down rates
 - iv. customer peak and off-peak loads;
- f. Information on (i) *settlement amounts* unpaid by the end of each month, and (ii) the specific *WESM Member* that failed to pay the *settlement amounts* shall be disclosed by the *Market Operator*;
- g. Information on real-time system condition contained in advisories and notices received by the *Market Operator* from the *System Operator*;
- h. *market network model* technical data and parameters;
- i. *over-riding constraints*, contingency limits and outage schedules; and
- j. other information that are generally and publicly available from any other source

This list is a non-exhaustive list.

¹ WESM Rules clause 4.8.4

4.3.2. Information otherwise classified as confidential will lose its confidentiality status under the following circumstances:

- c. At the time of disclosure, the relevant information is generally and publicly available other than as a result of a breach of confidence by a WESM Member or the Market Operator;²
- d. Information has lost its confidentiality status after a specific period of time as specified in this Manual or any other manual, the WESM Rules or any other issuance;
- e. Information is made available by or is legally and properly acquired from any other source on a non-confidential basis and the source of the information is likewise not bound by any confidentiality obligation to the disclosing party;
- f. Information is required to be published under the WESM Rules, market manuals or any other issuance;
- g. Disclosing party gives written consent to the disclosure, use or reproduction of the relevant information³; and
- h. Information falls within any of the exceptions set out in the WESM Rules or any market manual.⁴

4.4 Expiration of confidentiality

The following information shall lose their confidentiality classification after the expiration of the following periods:

Information	Expiry Period
Bids and offers identifiable to <i>Trading Participants</i> , including any and all information contained in the bids and offers submissions of the relevant <i>Market Participant</i>	Seven (7) days after the relevant trading day
Energy or reserve dispatch projections and schedules and dispatch instructions identifiable to a <i>Trading Participant</i>	One (1) day after the relevant trading day ⁵
<i>Projected output for must dispatch generating units or priority dispatch generating units</i> that are identifiable to <i>Trading Participants</i> including any and all information contained in <i>projected output</i> submissions of the relevant <i>Trading Participant</i>	One (1) day after the relevant trading day
The nomination of <i>loading levels</i> for <i>non-scheduled generating units</i> identifiable to a <i>Trading Participant</i>	One (1) day after the relevant trading day

² WESM Rules Clause 5.3.2 (b)

³ WESM Rules Clause 5.3.2 (d)

⁴ See, for example, WESM Rules Section 5.3.2

⁵ WESM Rules Clause 3.11.1.3

SECTION 5 CONFIDENTIALITY AND DISCLOSURE POLICY

5.1 Obligations to ensure confidentiality

The Market Operator or any WESM member and other recipients of confidential information are obliged to maintain confidentiality of any confidential information which comes into their control, possession or which otherwise they become aware of.⁶ They are obliged to -

- a. Use or reproduce confidential information only for the purpose for which it was disclosed or as contemplated in the WESM Rules or this manual;
- b. Not to disclose or permit to be disclosed, directly or indirectly, confidential information to any person or entity except as permitted in the WESM Rules or this manual and will not permit unauthorized persons to have access to confidential information;
- c. Disclose confidential information to their respective directors, officers, employees, representatives or agents only on a “need to know” basis, but must inform their directors, officers, employees, representatives and agents that the information is confidential and of their obligations under this Manual;
- d. If reasonably practicable, all copies of confidential information and any other material derived from such information whether in printed or electronic format or other form in the hands of the recipient will be marked confidential or properly identify information that is confidential.

The Market Operator, the WESM members and all other recipients of confidential information should adopt procedures within their respective organizations to maintain the confidentiality of all confidential information as well as their compliance with the above-listed obligations.

5.2 Breach of confidentiality

Other than where disclosure is permitted under the WESM Rules or this manual, confidentiality is violated once confidential information becomes known beyond the area of responsibility of the Market Operator or of the WESM Member or other entities receiving or furnished with the relevant information. Internal use of the confidential information that is inappropriate or not permitted under the WESM Rules or this manual is also considered breach of confidentiality.

5.3 Permitted disclosures/exceptions to confidentiality

- 5.3.1. Confidential information may be disclosed by the Market Operator or any WESM Member only to the recipients and under the circumstances permitted by WESM Rules clause 5.3.2 and other relevant provisions. Any such disclosure will not be considered a violation of the confidentiality policy under this manual or the WESM Rules.
- 5.3.2. Confidential information may also be disclosed by the Market Operator to parties other than those enumerated in the previous Section upon prior written

⁶ WESM Rules Clause 5.3.1.1

permission given by the WESM Member or participant who owns the confidential information sought to be disclosed.

- 5.3.3. The *confidential information* disclosed pursuant to the foregoing Sections shall, however, retain its confidentiality status and the recipient is obliged to maintain confidentiality as provided for in this *Market Manual*.

5.4 Protection of permitted disclosures

5.4.1. To ensure protection of confidential information, the Market Operator may agree with the recipients of permitted disclosure on certain protocols or procedures including those relating to the manner of transfer or transmittal of information, and the security and maintenance of monitoring systems.

5.4.2. The Market Operator shall require the recipient to execute confidentiality and non-disclosure agreements or undertaking with terms and conditions consistent with this Manual and the WESM Rules. Such terms and conditions will include the undertaking to -

- e. keep the information provided confidential, and not to disclose the same to any other person or entity;
- f. to use the information only for the purpose for which it is provided or for purposes permitted by the WESM Rules clause 5.3.2.

5.5 Limitations on access to confidential information

The members of the PEM Board, its officers and Committees, who are officers, directors or employees of any *WESM member* shall have no access to confidential information that are classified as commercially sensitive information. The determination as to whether any specific information is commercially sensitive will be made by the *Market Operator* in accordance with Section 4.2 of this Manual.

SECTION 6 MARKET INFORMATION CATALOGUE

6.1 Background

The Market Information Catalogue lists the market information in the possession of the *Market Operator* and indicates for each type of information the means of disclosure and the permitted recipient.

6.2 Categories of market information

Market information in the possession of the Market Operator are classified as:

- a. market information input data are information furnished to or received by the *Market Operator* from *WESM members*, service providers and other parties and entities which are used in the performance of various market processes including but not limited to market projections, pricing, scheduling and settlements.

- b. market information output data are information produced by or provided by the *Market Operator* resulting from the operations of the various market processes.
- c. other market data are information received and published by the *Market Operator* from service providers and other parties.

6.3 Means of disclosure

6.3.1. Market information shall be made available by the *Market Operator* through any of the following means:

- d. Market Information Website at www.wesm.ph.
- e. Market participant interface of the Market Management System (the “MMS”) for registered market participants only in respect to information inputted to or generated by the MMS. This will require subscription to and maintenance of the appropriate digital certificate issued by the Market Operator.
- f. Data sharing or file transfers of MMS-generated and other market data and/or reports to the monitoring systems of the DOE, ERC and the PEMC Market Assessment Group, WESM members and other persons or entities.
- g. Market data and reports may also be provided either in printed or electronic copies, or by electronic means.

The Market Operator may require the requesting party or recipient to pay for the reasonable cost of production, reproduction, printing or copying of the requested information or documents, or the cost of electronic transmittal or data transfer.

6.4 Classification of Disclosure of Market Information

Classification or levels of disclosure of market information are classified as follows:

- b. Strictly confidential information is confidential information which is not covered by the succeeding paragraphs or have not lost its confidentiality status pursuant to Section 4.4.2 of this *Market Manual*, relevant provisions of the WESM Rules and other relevant issuances. This information shall only be disclosed by the Market Operator to the data owner or under the exceptions provided for in *WESM Rules* clause 5.3.2 and this *Market Manual*.
- c. Confidential information with expiration of confidential status is information that loses its confidentiality status after a specified period as provided for in the WESM Rules, this Manual and other relevant issuances. While retaining its confidentiality status, this information may only be disclosed to the data owner or under the exceptions provided for in WESM Rules clause 5.3.2 and in this Manual. This information becomes public information upon expiration of the specified period.
- d. Confidential information with permitted disclosure is confidential information but is permitted to be disclosed to qualified recipients. This information may only be disclosed to the data owner or qualified recipients pursuant to and under the conditions provided for in *WESM Rules* Clause 5.3.2, Section 5 of this *Market Manual* and other relevant issuances that permits its disclosure. This information retains its confidentiality

notwithstanding its disclosure to qualified recipients and the recipients are obliged to maintain confidentiality pursuant to the conditions set forth in Section 5 of this *Market Manual*.

- e. Public Information or non-confidential information is information which is not classified as confidential information and, as such, may be disclosed or provided to the general public.

6.5 Updating of the market information catalogue

a. Updates by the Market Operator

The Market Operator shall review and update the market information catalogue annually or as may be necessary.

b. Requests for updates or revisions by the WESM members and other parties

A WESM member or any interested party may request that certain information be included in or excluded from the catalogue or that the level of access to any information be reclassified. Requests shall be submitted to the Market Operator which shall review the proposal and include the same for review and approval either separately or as part of its regular updates of the catalogue.

SECTION 7 AMENDMENTS

Any amendments to this *Market Manual* shall be approved by the DOE, in accordance with Chapter 8 of the *WESM Rules* and corresponding *Market Manual* on rules change process.

SECTION 8 PUBLICATION AND EFFECTIVITY

This Market Manual, as it may be amended from time to time, shall be published in the market information website maintained by the Market Operator.

This Market Manual or any amendments thereto shall become effective upon approval of the DOE in accordance with the WESM Rules Clause 8.6.4. The date of effectivity shall be indicated in this document.

SECTION 9 APPENDICES

Appendix A. Market Information Catalogue

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
INPUT DATA						
Rules and regulatory information	Structure and Level of Market Fees	Market Operator	Public	Public	- market information website - Other means as required by the ERC	Upon approval by the ERC
	Price Determination Methodology and its revisions, including the formulation of <i>Market Dispatch Optimization Model</i>	Market Operator	Public	Public	market information website	Upon approval by the ERC
Market Network Model (MNM) and related information	MNM Bus-Oriented Single Line Diagram	Market Operator	Public	Public	- market information website - (MNM Documentation)	Updated as necessary
	Registry of market trading nodes	Market Operator	Public	Public		
	List of customer pricing zones (CPZ)	Market Operator	Public	Public		
	Reserve cost recovery zones	Market Operator	Public	Public		
	MNM Technical Data and Parameters ⁷	Market Operator	Public	Public	- market information website	

⁷ Please see Appendix B for the non-exhaustive list of information to be published for the Market Network Model Technical Data and Parameters

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
Registration and Market Participant Data	Registration Lists (e.g. list of participants/members, applicants and former members) and new metering installation	Market Operator	Public	Public	- market website information	Updated as necessary
	Generator Pmax, Pmin, Ramp Up and Ramp Down Rates	Trading Participant	Public	Public	- market website information	Updated as necessary
	Customer Peak and Off-peak Demand	Trading Participant	Public	Public	- Electronic copies on request	Updated as necessary
	Prudential security information (i.e. trading limits, net exposure, prudential security deposit form and amount)	Trading Participant/ Market Operator	Confidential	Data owner and exceptions under WESM Rules 5.3.2.	- Electronic copies on request	N/A
Energy Forecast and Reserve Information	Real-time dispatch, Hour-Ahead, Day-Ahead and Week-Ahead Demand Forecast and Reserve requirement	Market Operator/ System Operator	Public	Trading Participants, DOE, ERC, PEMC	- Market Management System Market Participant Interface (MMS MPI)	Immediately after relevant market run
				Public	- market website information	Within the next trading day
	VRE Aggregated Generation Forecast	System Operator	Public	Public	- market website information	Within the next trading day
	Initial Loss Percentage	Market Operator	Public	Public	- market website information	Updated as necessary
Generation Offers and Demand Bids	Energy and reserve offers and demand bids including all information contained in the submitted offers	Trading Participants	Confidential with expiration (Confidentiality expires after seven days)	Prior to expiration of confidentiality: data owner and exceptions under WESM Rules 5.3.2.	- Electronic copies on request	N/A

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
				Public after expiration	- market website information	Updated Daily (after expiration of confidentiality)
	Projected Output of Must Dispatch and Priority Dispatch generating units	Trading Participants	Confidential with expiration (Confidentiality expires after a day)	Prior to expiration of confidentiality; data owner and exceptions under WESM Rules 5.3.2	- Electronic copies on request	N/A
				Public after expiration	- market website information	Updated Daily (after expiration of confidentiality)
	Nominated Loading Levels of Non-Scheduled generating units	Trading Participants	Confidential with expiration (Confidentiality expires after a day)	Prior to expiration of confidentiality; data owner and exceptions under WESM Rules 5.3.2	- Electronic copies on request	N/A

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
				Public after expiration	- market website information	Updated Daily (after expiration of confidentiality)
Transmission System Information provided by System Operator to the Market Operator	Over-riding Constraints, Contingency Limits and outage schedules as submitted by System Operator through the MMS	System Operator	Public	Public	- market website information	After the trading day
	Status of generating units (refers to generator snapshot data)	System Operator	Public	Public	- market website information	After the trading day
Revenue Meter Data	Raw or adjusted meter data	Metering Services Provider	Confidential	Data owner, other permitted recipients (subject to sec.4.3.2 of this manual) and exceptions under WESM Rules 5.3.2.	- Electronic copies on request	N/A

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
OUTPUT DATA						
Energy and Reserve Schedules	Week-ahead (WAP), day-ahead (DAP) and hour-ahead projections (HAP), and real-time dispatch schedules	Market Operator	Confidential with expiration (Confidentiality expires after trading day)	Trading Participants, DOE, ERC, PEMC	- MMS MPI - (WAP, DAP, HAP and real-time dispatch)	In accordance with the WESM Timetable
				Public after expiration of confidentiality	- market information website (real-time dispatch schedules only) - Electronic copies on request	Updated Daily (after expiration of confidentiality)
Energy and Reserve Prices	WAP, DAP, HAP and real-time dispatch prices	Market Operator	Public	Trading Participants, DOE, ERC, PEMC	- MMS MPI (WAP, DAP, HAP & real-time dispatch)	In accordance with the WESM Timetable
				Public	- market information website - Electronic copies on request	Within the next trading day
	Load Weighted Average Price (LWAP) and Generator Weighted Average Price (GWAP)	Market Operator	Public	Public	- market information website - Electronic copies on request	Within the next hour after the relevant dispatch interval
	Administered prices	Market Operator	Public	Public	- market information website - Electronic copies on request	Within the next trading day

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
	Marginal plants and market clearing prices	Market Operator	Confidential with expiration (Confidentiality expires after trading day)	Public after expiration of confidentiality	- market information website - Electronic copies on request	Updated Daily (after expiration of confidentiality)
	Substitute prices for cases of nodal price separation due to congestion ⁸	Market Operator	Public	Trading Participants, DOE, ERC, PEMC	- MMS MPI - Electronic copies on request	Within the next trading day
				Public	- market information website (Market Results Page) - Electronic copies on request	Within the next trading day
	Final Nodal Energy Dispatch Prices	Market Operator	Public	Public	Market information website	Prior the issuance of the final settlement statement
Automatic Pricing Re-runs	Constraints violated and the corresponding non-zero constraint violation variable values	Market Operator	Public	Public	- market information website (Market Results Page) - Electronic copies on request	Within the next trading day
Pricing Errors	Pricing error notice (PEN)	Market Operator	Public	Public	- market information website	Within two (2) working days after the trading day
	Market Re-runs results (i.e. resulting market re-run prices)	Market Operator	Public	Public	- market information website	In accordance with the timetable under the WESM Manual on

⁸ Price Determination Methodology Manual Section 6

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
						Constraint Violation Coefficient and Pricing Re-run
Settlements	Settlement amounts, including energy, reserve amounts identifiable to a specific <i>Trading Participant</i> or <i>WESM member</i>	Market Operator	Confidential	Data owner and exceptions under WESM Rules Clause 5.3.2.	- Electronic Copies	N/A
	Unpaid settlement amounts as of month-end, specific <i>WESM member</i> that failed to pay settlement amounts as of month-end	Market Operator	Public	Public	- market information website	Within the month following the end of the billing period
	Quantities used for settlement (i.e. settlement-ready meter data, spot and bilateral contract quantities declared to the Market Operator) identifiable to a specific <i>Trading Participant</i> or <i>WESM member</i>	Market Operator	Confidential	Data owner and exceptions under WESM Rules Clause 5.3.2.	- Electronic Copies	N/A
	Line rental trading amount and other line rental information identifiable to a specific <i>Trading Participant</i> or <i>WESM member</i>	Market Operator	Confidential	Data owner and exceptions under WESM Rules 5.3.2.	- Electronic Copies	N/A
	Net settlement surplus and deficit levels and allocations	Market Operator	Public	Public	- market information website	Monthly, after the issuance of final settlement
	Underlying factors affecting NSS	Market Operator	Public	Public	- market information website	Annual

Market Information			Information Access			
Category	Specific Information	Information/ Data Source	Classification	Recipient	Means of Provision	Publication Timeline
Market Operator Performance	Market Operator Performance Indicators and Performance Report	Market Operator	Public	Public	- market website information	Annual
Metering Service Provider (MSP) Performance	Wholesale and Retail MSP Performance Reports	Market Operator	Public	Public	- market website information	In accordance with the timetable under the applicable Metering Manuals
OTHERS						
Transmission System Information	Real-time system conditions or System Operator advisories on Transmission System conditions, including but not limited to, adverse system condition, outages, load shedding, congestions, and actual system demand based on system snapshot data, etc as provided	System Operator	Public	WESM members	- MMS Advisories/MMS MPI - E-mail	Published near real-time or as provided by the System Operator
	Dispatch Instruction Report by the System Operator (in CSV)	System Operator	Public	Public	- market website information	Weekly report to be submitted within the following week

Appendix B. Non-Exhaustive List of Information to be Published on the Market Network Model Technical Data and Parameters

The following technical data and parameters shall be published in relation to the Market Network Model.

Equipment	Technical Data/Parameters Available
Transformer	Rating
Lines	Rating
Generators	Pmin/Pmax
Other Shunt and Series Devices (i.e. inductors, capacitors, and voltage regulators)	Rating

The above information shall be prepared in a PSS/E “raw” data file format, which includes how each equipment is connected among each other in the power system as represented in the Market Network Model.