

# MRP Implementation: Summary of Changes – Final Alignment

In order to facilitate the implementation of the Market Renewal Program (MRP), changes are required to both *market rules* and *market manuals*. This document describes the changes included as part of Final Alignment.

## Final Alignment

This document describes proposed market rule and market manual amendments introduced as part of Final Alignment. These proposed amendments include both changes newly proposed as part of Final Alignment, as well as modifications to proposed amendments included in prior batches of provisionally approved rules for the Market Renewal Project. For greater clarity, changes to the current baseline of the market rules and market manuals that are part of previous batches are not included in this Summary of Changes document.

The changes to the market rules included in this document have been categorized in the following manner:

- 1) **Final Alignment Change – July 2024** – changes introduced as part of the Final Alignment batch at the Technical Panel in July, 2024;
- 2) **Final Alignment Change – June 2024** – changes introduced as part of the Final Alignment batch in June, 2024;
- 3) **Settlements – January 2024 Update** – updates to the Settlements market rules, published in January, 2024;
- 4) **MPM - March 2023 Update** – updates to the Market Power Mitigation market rules, published in March, 2023;
- 5) **MPM - December 2023 Update** – updates to the Market Power Mitigation market rules, published in December, 2023.

## Prior MRP Batch Specific Summary of Changes

Each prior batch of MRP included a batch specific summary of changes document describing the changes to the market rule and market manuals that occurred within the batch. As each batch progressed through stakeholder engagement and the Technical Panel, the summary of changes was updated to reflect revisions to the market rules and manuals. Below are the latest versions of the batch specific summary of changes documents:

- [Market Entry and Prudentials – Summary of Changes](#) (March 2021)
- [Market Power Mitigation – Summary of Changes](#) (December 2023)

- **Calculation Engines – Summary of Changes** (March 2024)
- **Interim Alignment – Summary of Changes** (January 2023))
- **Market Settlements, Metering and Billing – Summary of Changes** (January 2024)
- **Market and System Operations - Summary of Changes** (May 2024)

## Summary of Final Alignment Changes to Market Rules

### Chapter 1

Chapter	Section	Topic	Type of Change	Description
Chapter 1	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Revised <i>market rule</i> cross-references to new convention;</li> <li>• As a matter of clean-up, deleted certain instances of "[Intentionally left blank – section deleted]"; renumbered sections as required;</li> <li>• Italicized defined terms.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 1	A	Chapter Scope and Operation	New  Final Alignment Change - Jun 2024	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 1	7	Interpretation and Rules of Construction - General	Modified New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• section 7.1.1.8 (new) – inserted new section to specify meanings of the new <i>market rule</i> conventions;</li> <li>• Section 7.1.1.14c (new) – inserted new section to define the meaning of "EPT";</li> <li>• Section 7.1.1.16 (move) – inserted new section to specify the meaning of "maintaining" <i>reliability</i> – existing section in MR Ch.4 s.1.1.3 has been moved here.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 1	11	Information Disclosure	Modified	Section 11.1 – Minor edit to change the title heading from "Disclosure Must be Made Where

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	Required by Market Rules” to “Mandatory Disclosure”.  This change was made in response to internal feedback.
Chapter 1, Appendix 1.1	Appendix 1.1	Intentionally Left Blank	Deleted  Final Alignment Change - Jun 2024	As a matter of clean-up, deleted the “Intentionally Left Blank” Appendix 1.1.  This change was made in response to internal feedback.

## Chapter 2

Chapter	Section	Topic	Type of Change	Description
Chapter 2	Throughout	All	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>As a matter of clean-up, deleted certain instances of “[Intentionally left blank – section deleted], renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> This change was made in response to internal feedback.
Chapter 2	A, B	Chapter Scope and Operation and Exceptions	New  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the “0 Series” <i>market rules</i> and <i>market manuals</i>;</li> <li>Inserted new section B to specify exceptions, or temporal sections during the <i>market transition</i>: <ul style="list-style-type: none"> <li>Section B.1.1(new) – Calculation of Actual Exposure for Physical Transactions. Inserted new section to specify that until such time as the Prudential Monitoring tool and required data for the tools are</li> </ul> </li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>available, daily <i>actual exposure</i> calculations for <i>market participants</i> to trigger the <i>IESO's</i> issuance of <i>margin call warnings</i> and <i>margin calls</i> will follow a modified process;</p> <ul style="list-style-type: none"> <li>- Estimated <i>actual exposure</i> for prudential monitoring purposes will be calculated using an average of the three most recent invoices in which a <i>market participant</i> has conducted <i>physical transactions</i> for <i>energy</i>, in order to determine a daily <i>actual exposure</i> estimate.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 2	1.2	Participation	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Section 1.2.0 – inserted missing word “<i>Act</i>” in “<i>Ontario Energy Board Act, 1998</i>”;</li> <li>• Section 1.2.2.7 – broadened the requirement for providing <i>market control entity</i> information as a condition for participant authorization to all persons seeking authorization to participate in the <i>IESO-administered markets</i> (previously limited to one or a combination of an <i>energy trader</i> or a <i>virtual trader</i>), pursuant to MR Ch.7 s.22.9.2;</li> <li>• Section 1.2.4 – modified section to clarify that the section is applicable to a person who is authorized “prior to a <i>market transition</i>”. A person who is authorized prior to a <i>market transition</i> shall be authorized to participate in the <i>real-time market</i> and the <i>day-ahead market</i>. Added additional clarify in the section to specify that “nothing in this provision shall be construed to permit a <i>market participant</i> to change its <i>facility</i> or <i>resource</i> registration, except as otherwise permitted by the <i>market rules</i>.”</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 2	3	Authorization	Modified	<p>Minor, editorial change - throughout section 3, replaced “application” with the defined term “<i>application for authorization to participate</i>”.</p>

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 2	5 - Throughout	Prudential Requirements	Modified  Final Alignment Change - Jun 2024	Throughout section 5 - For clarity and consistency, replaced instances of " <i>billing period</i> " with " <i>energy market billing period</i> ".  This change was made in response to internal feedback.
Chapter 2	5.2	Prudential Requirements - Market Participant Obligations	Modified  Final Alignment Change - Jun 2024	Section 5.2.1 – Editorial change – replaced "participating in" with "conducting" <i>physical transactions</i> .  This change was made in response to internal feedback.
Chapter 2	5.3	Prudential Requirements – Calculation of Participant Trading Limit, Default Protection Amount and Maximum Net Exposure for Physical Transactions	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Section 5.3.3A – for clarity, added "as would be required based on the <i>market participant's</i> revised <i>self-assessed trading limit</i> pursuant to the <i>market rules</i>";</li> <li>• Section 5.3.8B – editorial: replaced "the <i>day-ahead market</i> or <i>real-time market</i>" with "<i>physical transactions</i>";</li> <li>• Sections 5.3.10A, 5.3.10A.1 and 5.3.10A.2 – edits to the calculation of the price basis for <i>market participants</i> based on <i>resource</i> type, to incorporate further refinement on the methodology of calculating the prices basis with percentiles specified in the applicable <i>market manual</i>;</li> <li>• Section 5.3.10A.3(new) – inserted new section to specify price basis methodologies prior to and following the requisite three-year availability of applicable <i>locational marginal prices</i> and <i>Ontario zonal prices</i>;</li> <li>• Section 5.3.10A.4(move) – relocated previous section 5.3.10C to new section 5.3.10A.4;</li> <li>• Section 5.3.10B – edits to clarify the <i>IESO's</i> obligations to review the price basis established in section 5.3.10A.</li> </ul> This change was made in response to internal feedback.

Chapter	Section	Topic	Type of Change	Description
Chapter 2	5.5	Calculation of Actual Exposure for Physical Transactions	Editorial  Final Alignment Change - Jun 2024	Editorial changes, replacement of "payment date" with the defined term " <i>IESO payment date</i> ".  This change was made in response to internal feedback.
Chapter 2	5.6	Prudential Requirements - Margin Call Requirements and the No Margin Call Option for Physical Transactions	Modified  Final Alignment Change - Jun 2024	Section 5.6.7 – revised language to clarify that a <i>market participant</i> authorized to conduct <i>physical transactions</i> shall not be eligible to use the <i>no margin call option</i> if it is also authorized to conduct <i>virtual transactions</i> .  This change was made in response to internal feedback.
Chapter 2	5.7	Prudential Requirements – Obligation to Provide Prudential Support for Physical Transactions	Modified  Final Alignment Change - Jun 2024	Section 5.7.2A – this section obligates <i>market participants</i> who have provided a prudential guarantee to re-execute the new form of prudential guarantee. Deleted "such replacement <i>prudential support</i> for <i>physical transactions</i> shall be dated no earlier than January 1, 2023" – this language was the earliest proxy date as to when the guarantee may be available for execution prior to the go live date for MRP. This language is unnecessary and has been deleted.  This change was made in response to internal feedback.
Chapter 2	5.8	Prudential Requirements – Reductions in Prudential Support Obligations for Physical Transactions	Modified  Final Alignment Change - Jun 2024	Section 5.8.3 – as a matter of clean-up, deleted the historical cross reference to section 5.3.4B which is "intentionally left blank – section deleted".  This change was made in response to internal feedback.
Chapter 2	5B	Capacity Prudential Requirements	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>Sections 5B.2.2, 5B.4.7 and 5B.4.9 – within the context of "participation in the <i>real-time market</i>," added references to the "<i>day-ahead market</i>."</li> </ul> This change was made in response to internal feedback.

Chapter	Section	Topic	Type of Change	Description
Chapter 2	5C.1	Virtual Transactions – Calculation of Participant Trading Limit, Default Protection Amount and Maximum Net Exposure	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 5C.1.4 – for additional clarity, added “as would be required based on the <i>virtual trader’s</i> revised <i>maximum daily trading limit</i> pursuant to the <i>market rules</i>”;</li> <li>Sections 5C.1.9, 5C.1.9.1 – revised this section to add further detail on the price delta used in the calculation of the <i>minimum trading limit</i> and <i>default protection amount</i>; removed the hardcoding of the 97<sup>th</sup> percentile for the price delta in the section – the price delta will be specified in the applicable <i>market manual</i> - MM5.4 – Prudential Support;</li> <li>Section 5C.1.9.2 – replaced “neighbouring jurisdictions” with “neighbouring electricity systems”; for clarity, replaced “day-ahead and real-time price delta” with “price deltas (<math>\Delta DAP_{VT}</math>, <math>ARTP_{VT}</math>)”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 2	5C.2	Monitoring of Actual Exposure and Trading Limit for Virtual Transactions	Modified Deleted  Final Alignment Change - Jun 2024	<p>Section 5C.2.3 – deleted this section which specifies that the <i>IESO</i> shall reject a <i>virtual trader’s bid or offer</i> if (i) the absolute sum of a <i>virtual trader’s virtual transaction bids/offers</i> in MWh exceed the <i>virtual trader’s daily trading limit</i> for a trade day; or (ii) the <i>IESO’s</i> estimated daily cumulative dollar exposure exceeds the <i>virtual trader’s trading limit</i> – these two screening methods are specified in Chapter 7, sections 3.10.1.6 and 3.10.1.4 respectively, and have been deleted from section 5C.2 due to redundancy.</p> <p>This change was made in response to internal feedback.</p>
Chapter 2	5C.3	Calculation of Actual Exposure for Virtual Transactions	Modified New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 5C.3.1.1a. – replaced “the payment date” with the defined term “<i>market participant payment date</i>”;</li> <li>Section 5C.3.1.2 – inserted “<i>IESO</i>” before “<i>payment date</i>”;</li> <li>Section 5C.3.2 - revised this section to add further detail on the daily publication of the price delta for the purposes of calculating the daily cumulative <i>actual exposure</i> for <i>virtual</i></li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p><i>transactions</i>; removed the hardcoding of the 97<sup>th</sup> percentile for the price delta in the section – the price delta will be specified in the applicable <i>market manual</i> - MM5.4 – Prudential Support;</p> <ul style="list-style-type: none"> <li>Section 5C.3.3(new) – inserted new section to specify the price delta methodology when the requisite amount of historical data is unavailable.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 2	5D.3	Monitoring of Consolidated Actual Exposure and Consolidated Trading Limit	Modified Deleted  Final Alignment Change - Jun 2024	<p>Section 5D.3.3 – deleted this section which specifies that the <i>IESO</i> shall reject a <i>virtual trader's bid or offer</i> if (i) the absolute sum of a <i>virtual trader's virtual transaction bids/offers</i> in MWh exceed the <i>virtual trader's daily trading limit</i> for a trade day; or (ii) the <i>IESO's</i> estimated daily cumulative dollar exposure exceeds the <i>virtual trader's trading limit</i> – these two screening methods are specified in Chapter 7, sections 3.10.1.6 and 3.10.1.4 respectively, and have been deleted from section 5D.3 due to redundancy.</p> <p>This change was made in response to internal feedback.</p>
Chapter 2	8.6	Apportionment and Invoicing of Default Levy	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 8.6.1.1 – replaced “in the <i>real-time market</i> <b>or</b> the <i>day-ahead market</i>” with “in the <i>real-time market</i> <b>and</b> the <i>day-ahead market</i>”; replaced “<i>real-time market</i> or the <i>day-ahead market billing period</i>” with “<i>energy market billing period</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 2 Appendix 2.2	Throughout	Technical Requirements: Voice Communication, Monitoring and Control, Workstations and Re-	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Spelling – replaced “<i>control center</i>” with “<i>control centre</i>”;</li> <li>Italicized defined terms.</li> </ul>



Chapter	Section	Topic	Type of Change	Description
		Classification of Facilities		
Chapter 2 Appendix 2.2	1.1	Voice Communications	Modified  Final Alignment Change - Jun 2024	Sections 1.1.5.1, 1.1.6.1 – replaced “that comprises <i>load facilities</i> ” with “that is comprised of sets of <i>load equipment</i> ”.  This change was made in response to internal feedback.
Chapter 2 Appendix 2.2	1.2	Technical Requirements for Monitoring and Control	Modified  Final Alignment Change - Jun 2024	Section 1.2.5.1b. – replaced “ <i>dispatchable load facilities</i> ” with “ <i>load facilities</i> associated with a <i>dispatchable load</i> ”.  This change was made in response to internal feedback.
Chapter 2 Appendix 2.2	1.3	Dispatch Workstations	Modified  Final Alignment Change - Jun 2024	Section 1.3.1 – modified the language to clarify <i>market participant resource</i> types that are obligated to install a <i>dispatch workstation</i> .  This change was made in response to internal feedback.
Chapter 2 Appendix 2.3	1.1	Additional Provisions Regarding Prudential Support	Modified  Final Alignment Change - Jun 2024	Section 1.1 – for the obligation on the <i>IESO</i> to specify via a Schedule A, <i>market participant prudential support obligations</i> , added a cross reference to new sections 5C and 5D of Chapter 2.  This change was made in response to internal feedback.
Chapter 2 Appendix 2.3	2.1	Pledge of Prudential Support in the form of Cash or Treasury Bills - Pledge	Modified  Final Alignment Change - Jun 2024	Section 2.1.2 – replaced “solicitor and client basis” which is a phrase no longer used, with the words “substantial indemnity basis”.  This change was made in response to internal feedback.
Chapter 2 Appendix 2.3	3.3	Application of Prudential Support against Actual Exposure	Modified  Final Alignment Change - Jun 2024	Section 3.3 – as a matter of clean-up, un-italicized “or its other obligations”, which is not a defined term in the <i>market rules</i> .  This change was made in response to internal feedback.
Chapter 2 Appendix 2.3	3.4	Payment of Expenses	Modified  Final Alignment Change - Jun 2024	Section 3.4 – replaced “solicitor and client basis” which is a phrase no longer used, with the words “substantial indemnity basis”.  This change was made in response to internal feedback.

## Chapter 3

Chapter	Section	Topic	Type of Change	Description
Chapter 3	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>As a matter of clean-up, deleted certain instances of "[Intentionally left blank – section deleted]", renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 3	A	Chapter Scope and Operation	New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 3	2.2	Application	Modified  Final Alignment Change - Jun 2024	<p>Section 2.2.3/2.2.3.9 – modified section 2.2.3.9 to clarify the applicability of the dispute resolution process to the independent review process described in MR Ch.7 s.22.8.</p> <p>This change was made in response to internal feedback.</p>
Chapter 3	2.5	Notice of Dispute, Negotiation and Response	Modified  Final Alignment Change - Jun 2024	<p>Section 2.5.1A.4H(move) – moved provision related to a dispute related to an independent review previously in section 2.5.1A.6 to new section 2.51A.4H.</p> <p>This change was made in response to internal feedback.</p>
Chapter 3	2.6	Mediation	Modified  Final Alignment Change - Jun 2024	<p>Sections 2.6.9 and 2.6.11 – editorial change to replace references to "him or her" to "the mediator".</p> <p>This change was made in response to internal feedback.</p>

Chapter	Section	Topic	Type of Change	Description
Chapter 3	4.4	Rule Amendments Initiated by the Technical Panel	Modified  Final Alignment Change - Jun 2024	Section 4.4.2 – as a matter of clean-up and clarification, inserted “(the “ <i>review notice</i> ”) which is defined within section 4.4.2.  This change was made in response to internal feedback.
Chapter 3	6.3	Events of Default	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Section 6.3.3.2 – inserted “or <i>capacity prudential support</i>” which is referenced by section 5B.2.4;</li> <li>• Section 6.3.3.3 – deleted unnecessary/obsolete cross reference to section 4.8.2 of Chapter 9;</li> <li>• Section 6.3.7 – inserted cross references to new prudential sections 5C.1 and 5D.2.</li> </ul> This change was made in response to internal feedback.

## Chapter 4

Chapter	Section	Topic	Type of Change	Description
Chapter 4	Throughout	All	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Revised <i>market rule</i> cross-references to new convention;</li> <li>• As a matter of clean-up, deleted certain instances of “[Intentionally left blank – section deleted], renumbered sections as required;</li> <li>• Editorial - corrected spacing errors;</li> <li>• Corrected minor, grammatical errors;</li> <li>• Italicized defined terms.</li> </ul> This change was made in response to internal feedback.
Chapter 4	A	Chapter Scope and Operation	New  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Inserted new section A to specify the scope and operation of the “0 Series” <i>market rules</i> and <i>market manuals</i>.</li> </ul> This change was made in response to internal feedback.
Chapter 4	1	Introduction	Modified	Section 1.1.3 (move) – moved this section to Chapter 1, section 7.1.1.15 since the concept of

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	<p>"maintaining" <i>reliability</i> are applicable to all chapters of the <i>market rules</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 4	3	Obligations of Market Participants	Modified  Final Alignment Change - Jun 2024	<p>Section 3.2.3 – replaced "<i>generating units</i>" with "<i>generation units</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 4	4	Connection Agreements	Modified Editorial  Final Alignment Change - Jun 2024	<p>Section 4.1.2 – editorial change to replace "each <i>embedded facility</i> that is a <i>market participant</i> shall have a signed connection agreement" to "<i>Market participants</i> shall have signed <i>connection agreements</i> for each <i>embedded facility</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 4	5.3	IESO-Required Tests of Interconnections	Modified  Final Alignment Change - Jun 2024	<p>Section 5.3.3 – replaced "the <i>generation facility</i>" with "any associated <i>generation resource</i>"; replaced "<i>electricity storage facility</i>" with "<i>electricity storage resource</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 4	6.4	Disconnection During an Emergency or For Safety or Reliability Reasons	Modified  Final Alignment Change - Jun 2024	<p>Section 6.4.2B – replaced "<i>generation unit</i>" with "<i>generation resource</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 4	7.1	Provision of Information	Modified  Final Alignment Change - Jun 2024	<p>Sections 7.1.7, 7.1.8 – editorial change to replace "shall provide to the <i>IESO</i> the information described in Part A of Appendix 4.6" to "shall provide to the <i>IESO</i> <i>connection-related reliability information</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 4	7.3	Monitoring Information Provided by Generators to the IESO	Modified  Final Alignment Change - Jun 2024	<p>Section 7.3.5:</p> <ul style="list-style-type: none"> <li>within the context of the <i>IESO</i> providing a confidential forecast produced by the <i>forecasting entity</i>, replaced "endeavour to provide" with "use reasonable efforts to provide";</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>as a matter of clean-up, deleted "The <i>IESO</i> shall determine and <i>publish</i> the date when the confidential forecasts will first become available" - the forecasts are currently available.</li> </ul> <p>This change was made in response to internal feedback.</p>

## Chapter 5

Chapter	Section	Topic	Type of Change	Description
Chapter 5	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>As a matter of clean-up, deleted certain instances of "[Intentionally left blank – section deleted]", renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	A, B	Chapter Scope and Operation and Exception	New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>;</li> <li>Inserted new section B to specify exceptions, or temporal sections during the <i>market transition</i>:</li> </ul> <p>Section B.1.1(new) – exception related to requests for <i>one-day advance approval</i> of a <i>planned outage</i> submitted pursuant to section 6.4.1E prior to the commencement of the <i>market transition</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 5	1.1	Purposes of Chapter 5 and Interpretation	Modified	<p>Section 1.1.2 (move) – moved this section to Chapter 1, section 7.1.1.15 since the concept of</p>

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	<p>"maintaining" <i>reliability</i> are applicable to all chapters of the <i>market rules</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 5	3.2	Obligations of the IESO	Modified  Final Alignment Change - Jun 2024	<p>Modified section 3.2.1:</p> <ul style="list-style-type: none"> <li>Replaced "instructions" with "<i>dispatch instructions</i>";</li> <li>Replaced "generation, <i>electricity storage facilities</i>, <i>dispatchable loads</i>, distribution transmission <i>facilities</i> on the <i>IESO-controlled grid</i>" with "<i>facilities</i> and any associated <i>resources</i>".</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	3.2A	Technical Feasibility Exceptions	Modified Editorial  Final Alignment Change - Jun 2024	<p>Editorial - replaced "<i>TFE</i>" with "<i>technical feasibility exception</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 5	3.2B	Bulk Electric System Exceptions	Modified Editorial  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Editorial - replaced "<i>BES</i>" with "<i>bulk electric system</i>";</li> <li>Corrected numbering – inserted 3.2B.7.1 [Intentionally left blank].</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	3.5, 3.6, 3.8	Obligations of Wholesale Customers, Generators, Electricity Storage Participants,	Modified  Final Alignment Change - Jun 2024	<p>Sections 3.5.1.2, 3.6.1.3, 3.6.1.5, 3.8.1.3 – inserted "is associated with the <i>resource</i>/the <i>resource</i> associated with".</p> <p>This change was made in response to internal feedback.</p>
Chapter 5	4.3	Generic Performance Requirements for Ancillary Services	Modified  Final Alignment Change - Jun 2024	<p>Section 4.3.1 – inserted "<i>resources</i>/or <i>resources</i>".</p> <p>This change was made in response to internal feedback.</p>

Chapter	Section	Topic	Type of Change	Description
Chapter 5	4.4A	Assistance to Other Control Areas	Modified  Final Alignment Change - Jun 2024	Section 4.4A.1 – replaced general cross reference to Chapter 9 with cross reference to MR Ch.9 s.4.14.13.  This change was made in response to internal feedback.
Chapter 5	4.5	Operating Reserve	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Section 4.5.1 - Editorial – replaced “<i>operating reserves</i>” with “<i>operating reserve</i>”;</li> <li>• Section 4.5.1.3 – replace “<i>facilities</i>” with “<i>resources</i>”;</li> <li>• Section 4.5.6 – editorial – replaced “<i>interconnection systems</i>” with “<i>interconnected systems</i>”;</li> <li>• Section 4.5.10 – editorial – replaced “<i>reserve</i>” with “<i>operating reserve</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	4.6	Reactive Support and Voltage Control	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Section 4.6.1A – replaced “<i>dispatch of reactive power resources</i>” with “<i>dispatch of resources</i> associated with the provision of reactive power”;</li> <li>• Section 4.6.2 – editorial - replaced “sufficient resources are available” with “sufficient <i>reactive support service</i> and <i>voltage control service</i> is available”;</li> <li>• Section 4.6.4 – replaced “reactive power resources” with “reactive power capability”; replaced “reactive resources” with “reactive power”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	4.9	Auditing and Testing of Ancillary Services	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>• Section 4.9.1 - inserted “and any associated <i>resources</i>”;</li> <li>• Section 4.9.2 – editorial - replaced “or” with “and”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	5.3	The Use of Tie-Lines and	Modified	Modified the following:

Chapter	Section	Topic	Type of Change	Description
		Associated Facilities	Final Alignment Change - Jun 2024	<ul style="list-style-type: none"> <li>Section 5.3.2 – replaced “the <i>IESO</i> shall endeavour” with “the <i>IESO</i> shall use reasonable efforts”;</li> <li>Section 5.3.3 – replaced “<i>boundary entity</i>” with “<i>boundary entity resource</i>”;</li> <li>Section 5.3.4.2 – updated cross reference from “section 3.5 of Chapter 9” to “MR Ch.9 ss.33.4 and 3.5”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	5.4	Reliability Policy for Area Supply	Modified  Final Alignment Change - Jun 2024	<p>Section 5.4.2 – deleted unnecessary language “the delivery point demarcating”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 5	6.4	Submission of Outage Schedules and IESO Approval of Outage Schedules	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Sections 6.4.13.1, 6.4.13.2, 6.4.14 – replaced cross reference to section “6.4.14A” with “6.4.14”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	8.2	Responsibilities of the IESO	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 8.2.2A – replaced cross reference to section 8.4.3 to 8.4.2;</li> <li>Section 8.2.6 – for clarity, replaced “in which the application for compensation was received” with “on the next <i>preliminary settlement statement</i> in which the <i>IESO</i> can reasonably incorporate the compensation”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	8.4	Responsibilities of Market Participants Whose Facilities Form Part of An RAS	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 8.4.1 – within the context of <i>non-quick start resources</i> that are part of an <i>RAS</i>, inserted “<i>facility</i> associated with/associated with such <i>facility</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 5	10.4	Under-Frequency Load Shedding	Modified Editorial	<p>Section 10.4.3.2 – replaced “island” with the defined term “<i>electrical island</i>”.</p>



Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 5, Appendix 5.1	1.1	Regulation	Modified  Final Alignment Change - Jun 2024	Section 1.1.2.1 – inserted “associated with a <i>facility</i> ”.  This change was made in response to internal feedback.
Chapter 5, Appendix 5.1	1.3	Reactive Support and Voltage Control – Generation Facilities and Electricity Storage Facilities	Editorial  Final Alignment Change - Jun 2024	Section 1.3 – editorial change to replace “AVR” with “ <i>automatic voltage regulation</i> ”.  This change was made in response to internal feedback.
Chapter 5, Appendix 5.1	1.5	Black Start	Modified  Final Alignment Change - Jun 2024	Section 1.5.6.2 – deleted “regulation” which redundant as it is included in “ <i>applicable law</i> ”.  This change was made in response to internal feedback.

## Chapter 6

Chapter	Section	Topic	Type of Change	Description
Chapter 6	Throughout	All	Modified  Final Alignment Change - Jun 2024	Modified the following: <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>As a matter of clean-up, deleted certain instances of “[Intentionally left blank – section deleted]”, renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> This change was made in response to internal feedback.
Chapter 6	A	Chapter Scope and Operation	New	Modified the following:

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	<ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 6	2	Requirements for Metering Installations	Modified  Final Alignment Change - Jun 2024	<p>Section 2.1.4 – updated cross reference from section 2.1A.1 of Chapter 9 to MR Ch.9 s.2.2.</p> <p>This change was made in response to internal feedback.</p>
Chapter 6	4	Metering Installation	Modified  Final Alignment Change - Jun 2024	<p>Section 4.1.1.6 – as a matter of clean-up, deleted cross reference "subject to section 10.3.2" which is "[Intentionally left blank]".</p> <p>This change was made in response to internal feedback.</p>
Chapter 6	4.1A	Metering Installations for Segregated Mode of Operation	Modified  Final Alignment Change - Jun 2024	<p>Section 4.1A.1 – replaced "<i>metering installation</i> for that <i>facility</i>" with "<i>metering installation</i> for the associated <i>facility</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 6	4.2	Defined Meter Point and Error Correction Factors	Modified  Final Alignment Change - Jun 2024	<p>Revised sections 4.2.5.1 and 4.2.5.2 for clarity and consistency with the relationship between <i>meter point</i> and <i>defined meter point</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 6	5.1	Metering Service Providers - Registration	Modified  Final Alignment Change - Jun 2024	<p>Section 5.1.11.2 – replaced cross reference to Appendix 6.6 to section 5.2.3.</p> <p>This change was made in response to internal feedback.</p>
Chapter 6	7.3	Testing and Auditing of Metering Installations – Costs of Tests and Audits	Modified  Final Alignment Change - Jun 2024	<p>Sections 7.3.2 and 7.3.5 – replaced cross reference to Chapter 9, section 2.1A.3 with MR Ch.9 s.2.2.3.</p> <p>This change was made in response to internal feedback.</p>
Chapter 6	7.4	Safety Requirements and Practices During Audits	Modified  Final Alignment	<p>Section 7.4.1 – replaced "reasonable endeavors" with "reasonable efforts".</p>

Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	This change was made in response to internal feedback.
Chapter 6	11	Performance of Metering Installation	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 11.1.1 – as a matter of clean-up, deleted cross reference to section 10.3.2 which is “[Intentionally left blank]”;</li> <li>Section 11.1.4A – replaced “<i>generation facility</i>” with “<i>generation resource</i>”; replaced “load” with “<i>load resource</i>”; for section 11.1.4A.3 related to <i>electricity storage resources</i>, replaced “<i>electricity storage facility</i>” with “<i>electricity storage resource</i>”, and “load” with “<i>electricity storage resource</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 6, Appendix 6.1	1.2	Obligations of Metered Market Participants	Modified  Final Alignment Change - Jun 2024	<p>Section 1.2.1.7 – revised section to be consistent with MR Ch.6 s.9.3.2A.</p> <p>This change was made in response to internal feedback.</p>
Chapter 6, Appendix 6.4	1.1	Metering Service Provider Qualifications	Modified  Final Alignment Change - Jun 2024	<p>Section 1.1.1.1 and, 1.1.1.8 – replaced cross reference to Appendix 6.6 with MR Ch.6 s.5.2.3.</p> <p>This change was made in response to internal feedback.</p>
Chapter 6, Appendix 6.5	1.3	Metering Registry and Meter Point Documentation	Modified  Final Alignment Change - Jun 2024	<p>Section 1.3.4 – replace cross reference to section 2.1A.1.1 of Chapter 9 with MR Ch.9 s.2.2.1.1; replaced cross reference to section 2.1A.4.1(a) or 2.1A.4.2(a) with MR Ch.9 s.2.2.4.1 or 2.2.4.2(a).</p> <p>This change was made in response to internal feedback.</p>

## Chapter 7

Chapter	Section	Topic	Type of Change	Description
Chapter 7	Throughout	All	Modified  Final Alignment	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> </ul>

Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	<ul style="list-style-type: none"> <li>As a matter of clean-up, deleted certain instances of "[Intentionally left blank – section deleted]";</li> <li>Renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> <p>These changes were made in response to internal feedback.</p>
Chapter 7	A	Chapter Scope and Operation and Exceptions	New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 7	1.6.4	IESO Authorities and Obligations Regarding the Operation of the IESO Administered Markets	Modified  Final Alignment Change - Jun 2024	<p>Section 1.6.4.3 which requires the <i>IESO</i> to apply <i>administrative prices</i> when the market has been suspended is now subject section 13 to account for the <i>administrative price</i> methodologies contemplated under section 13.6.3, related to the market transition suspension.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	1.6.5	IESO Authorities and Obligations Regarding the Operation of the IESO-Administered Markets	Modified  Final Alignment Change - Jun 2024	<p>Section 1.6.5 – replaced "MRP commencement date" with the new defined term "<i>market transition completion</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	2.2.11	Facilities and Associated Resources Registration	Modified  Final Alignment Change - Jun 2024	<p>Broadened the applicability the <i>IESO</i> shall approve beyond self-scheduling electricity storage to all <i>electricity storage facilities</i>, to be consistent with market manual 1.5.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	2.2.16	Facilities and Associated Resources Registration	Modified  Final Alignment	<p>For clarity, replaced "an <i>intermittent generator</i>" with "a <i>generator</i> with an <i>intermittent generation resource</i>".</p>

Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	This change was made in response to internal feedback.
Chapter 7	2.2A	Registration of Commissioning Generation Facilities	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 2.2A.2 – inserted “except for section 2.2.9.1” which is a reference to <i>self-scheduling generation facilities</i> that have a name-plate rating of individual components of equipment that collectively adds up to 1MW or more but it less than 10MW;</li> <li>Section 2.2A.6 – inserted new section 2.2A.6.1 which specifies that for purposes of the <i>settlements process</i>, the <i>commissioning generation facility</i> shall be treated as the type of <i>resource</i> for which it has sought registration;</li> <li>Inserted new section 2.2A.6.2 which specifies that for the purposes of the <i>day-ahead market</i>, <i>pre-dispatch process</i> and <i>real-time dispatch process</i>, the <i>IESO</i> will treat the <i>resource</i> as a <i>self-scheduling generation resource</i>.</li> </ul> <p>These changes were made in response to internal feedback.</p>
Chapter 7	2.2D	Registration of Commissioning Electricity Storage Facilities	Modified  Final Alignment Change - Jun 2024	<ul style="list-style-type: none"> <li>Section 2.2D.2 – inserted “except for section 2.2.9A.1” which is a reference to <i>electricity storage units</i> with <i>electricity storage unit sizes</i> that collectively add up to a total <i>electricity storage facility size</i> of 1MW or more but it less than 10MW and meets the condition of section 2.1.3.4;</li> <li>Section 2.2D.6 – inserted new section 2.2D.6.1 which specifies that for purposes of the <i>settlements process</i>, the <i>commissioning generation facility</i> shall be treated as the type of <i>resource</i> for which it has sought registration;</li> <li>Inserted new section 2.2D.6.2 which specifies that for the purposes of the <i>day-ahead market</i>, <i>pre-dispatch process</i> and <i>real-time dispatch process</i>, the <i>IESO</i> will treat the <i>resource</i> that is registered to inject as a <i>self-scheduling electricity storage resource</i>, and the <i>resource</i> registered to withdraw, as the</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>type of <i>resource</i> for which it has sought registration.</p> <p>These changes were made in response to internal feedback.</p>
Chapter 7	7.6.4	Dispatch Scheduling Error	Clarification  Final Alignment Change - Jun 2024	<p>Clarified the compensation that may be included as part of an arbitrator's determination of damages suffered due to a <i>dispatch scheduling error</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	11.1.2.2	Generation Resource and Electricity Storage Resource Synchronization Procedures	Modified  Final Alignment Change - Jun 2024	<p>Section 11.1.2.2 – for clarity, inserted “with <i>intermittent generation resources</i>”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	13.2.4.5	Market Suspension Events	Addition  Final Alignment Change - Jun 2024	<p>Added <i>market transition</i> as an event under which the <i>IESO</i> may suspend <i>market operations</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	13.2A	Market Transition Suspensions	New  Final Alignment Change - Jun 2024	<p>Introduced new section 13.2A to codify the obligations of the <i>IESO</i> under a <i>marker transition</i> suspension.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	13.3.1	Reasons for Market Suspension	Modified  Final Alignment Change - Jun 2024	<p>Section 13.3.1 – replaced “notwithstanding section 13.2.4” with “with respect to sections 13.2.4.1, 13.2.4.2, 13.2.4.3 and 13.2.4.4”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	13.5.1.3	IESO Responsibilities During Market Suspension	Modified  Final Alignment Change - Jun 2024	<p>Section 13.5.1.3 – inserted “subject to section 13.6”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	13.6	Participant Responsibilities	Modification/Addition	Modified section 13.6.1 to account for <i>market participant</i> obligations under a <i>market transition</i>

Chapter	Section	Topic	Type of Change	Description
		and Compensation	Final Alignment Change - Jun 2024	<p><i>error</i> where <i>dispatch</i> could occur under <i>legacy market rules</i>.</p> <p>Added new sections 13.6.3 and 13.6.4 to specify how <i>market participants</i> will be compensated when the <i>market operations</i> have been suspended due to a <i>market transition</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	18 & 19	Capacity Auction	Modified  Final Alignment Change - Jun 2024	<p>Changed the defined term <i>commitment period</i> to <i>capacity auction commitment period</i> throughout section 18 and 19.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	20.3.1	Called Capacity Exports	Editorial  Final Alignment Change - Jun 2024	<p>Removed the italics from the term “adequacy” as the defined term <i>adequacy</i> is related to Ontario facilities and equipment.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	21.3.2	Provision of Regulation Service	Clarification  Final Alignment Change - Jun 2024	<p>Clarifying the provision which allows electricity storage to request registration as a <i>self-scheduling electricity storage facility</i> for the purposes of providing regulation.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.1.1	Reference Levels – General	Modified  Dec 2023 Update	<p>This section has been amended in response to internal stakeholder feedback to specify that the trigger for the <i>IESO</i> determining a <i>resource’s reference levels</i> is the <i>resource’s</i> owner requesting that the <i>IESO</i> do so.</p>
Chapter 7	22.1.2	Reference Levels – General	Editorial  Mar 2023 Update	<p>Changed “<i>market participant</i>” to “<i>registered market participant</i>” for accuracy.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.1.5	Reference Levels – General	Organizational  Mar 2023 Update	<p>Moved section 22.1.5 to section 22.2.3.1 to keep like content together.</p> <p>This change was made in response to internal feedback.</p>

Chapter	Section	Topic	Type of Change	Description
Chapter 7	22.2.1.4	Reference Levels for Financial Dispatch Data Parameters	Editorial  Dec 2023 Update	<p>This section has been amended to clarify that <i>reference levels</i> are determined for each class of <i>operating reserve</i> that a <i>resource</i> is registered to provide.</p> <p>This change was made in response to internal stakeholder feedback.</p>
Chapter 7	22.2.2	Reference Levels for Financial Dispatch Data Parameters	Clarification  Mar 2023 Update	<p>Added to address limited situations where certain related <i>resources</i> require reference levels that do not reflect their <i>short-run marginal costs</i> in order to be dispatched in the proper order, such as hydroelectric <i>resources</i> in a cascade system and steam turbines at thermal <i>facilities</i> where the <i>facility</i> does not use <i>pseudo-unit</i> modeling.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.2.3	Reference Levels for Financial Dispatch Data Parameters	Organizational  Mar 2023 Update	<p>Reorganized to accommodate moving content from section 22.1.5.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.3.2	Reference Levels for Non-Financial Dispatch Data Parameters	Clarification  Mar 2023 Update	<p>Added to address limited situations where certain related <i>resources</i> require <i>reference levels</i> that do not reflect their operational characteristics in order to be dispatched in the proper order.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.3.3.4	Reference Levels for Non-Financial Dispatch Data Parameters	Clarification  Mar 2023 Update	<p>Changed to reflect design intent.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.4.5	Resources with Multiple Sets of Reference Levels	Addition  Mar 2023 Update	<p>This section was added to implement storage integration by specifying that the <i>IESO</i> may determine one <i>operating reserve reference level</i> for use when an <i>electricity storage resource</i> proposes to inject and one when it proposes to withdraw.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.5.1.1	Changes to Reference Levels	Clarification	Changed for clarity to reflect design intent.



Chapter	Section	Topic	Type of Change	Description
			Mar 2023 Update	This change was made in response to internal feedback.
Chapter 7	22.5.1.5	Changes to Reference Levels	Modification Dec 2023 Update	This rule has been amended in response to internal stakeholder feedback to remove the restrictions on when a <i>market participant</i> may request the <i>IESO</i> review a <i>resource's reference levels</i> .
Chapter 7	22.5.2	Changes to Reference Levels	Modification Dec 2023 Update	This section has been amended to incorporate content that was previously in section 3.4.1.1 of Market Manual 14.2.  This change was made in response to internal stakeholder feedback.
Chapter 7	22.5.7	Changes to reference levels	Addition/Clarification  Final Alignment Change - Jun 2024	Clarifying that a <i>market participant</i> may request a temporary revision to their <i>reference levels</i> pursuant to either section 22.5.5 or 22.5.6, but not both.  This change was made in response to internal feedback.
Chapter 7	22.5.10.3	Changes to Reference Levels	Clarification Mar 2023 Update	Updated to specify that rejections would be made for 20 <i>business days</i> , rather than 30 calendar days, in response to internal stakeholder feedback.
Chapter 7	22.6.1	Reference Quantities	Modification Dec 2023 Update	This section has been amended to specify that the trigger for the <i>IESO</i> determining a <i>resource's reference quantities</i> is the <i>resource's</i> owner requesting that the <i>IESO</i> do so.  This change was made in response to internal stakeholder feedback.
Chapter 7	22.6.7.1, 22.6.7.2	Reference Quantities	-- Mar 2023 Update	These changes were previously published as part of Market Rule Amendment Proposal <a href="#">MR457-R02</a> .
Chapter 7	22.7.1.1	Changes to Reference Quantities	Clarification Mar 2023 Update	Changed for clarity to reflect design intent.  This change was made in response to internal feedback.
Chapter 7	22.7.1.2	Changes to Reference Quantities	Correction Mar 2023 Update	Changed to correct section reference.  This change was made in response to internal feedback.

Chapter	Section	Topic	Type of Change	Description
Chapter 7	22.7.3	Changes to Reference Quantities	Correction  Mar 2023 Update	This change corrects a typographical error.  This change was made in response to internal feedback.
Chapter 7	22.8	Independent Review Process	Response to Stakeholder Feedback  Dec 2023 Update	The <i>IESO</i> has made changes to section 22.8 in response to stakeholder feedback. The <i>IESO</i> must now only reject a review if: (a) it contains a manifest error, or (b) implementing it would require the IESO to breach the <i>market rules</i> . A right to request that a reviewer correct errors and omissions was also added. Other small changes were also added to add further details on procedure and clarify obligations.
Chapter 7	22.8.1.1, 22.8.1.2	Independent Review	Addition  Dec 2023 Update	This content was moved from the <i>market manual</i> to the <i>market rules</i> in response to external stakeholder feedback (OPG 8) from March 2023.
Chapter 7	22.8.3	Independent review	Addition  Final Alignment Change - Jun 2024	Clarified that section 22.8.3 also applies when the <i>IESO</i> is required to request proposals pursuant to section 22.8.11.2.  This change was made in response to internal feedback.
Chapter 7	22.8.10	Independent Review	Editorial  Dec 2023 Update	Changes were made to this section to correct typographical errors.  This change was made in response to internal stakeholder feedback.
Chapter 7	22.8.10.2	Independent Review	Editorial  Dec 2023 Update	Changes were made to this section to italicize use of " <i>IESO</i> ".  This change was made in response to internal stakeholder feedback.
Chapter 7	22.8.11	Independent Review	Editorial  Dec 2023 Update	Changes were made to this section to correct typographical errors.  This change was made in response to internal stakeholder feedback.
Chapter 7	22.8.11.1	Independent Review	Addition  Dec 2023 Update	This section was added in response to external stakeholder feedback (OPG 10) from March 2023.
Chapter 7	22.8.14	Independent review	Modification	Added language to clarify how payment for reviews subsequent to a rejected determination shall be paid.

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 7	22.9.1	Market Control Entities	Clarification  Mar 2023 Update	Previously, section 22.9.1 applied to all <i>market participants</i> . It has been rewritten to narrow the scope of the obligations within section 22.9 in line with the design.  This change was made in response to internal feedback.
Chapter 7	22.9.1.1.3	Market Control Entities	Clarification  Dec 2023 Update	Additional language has been added in response to internal stakeholder feedback to clarify that " <i>price-responsive load</i> " is a participation type for <i>load resources</i> .  This change was made in response to internal stakeholder feedback.
Chapter 7	22.9.3	Market Control Entities	Clarification  Mar 2023 Update	Clarifying that the <i>market participants</i> must designate a <i>market control entity for physical withholding</i> for <i>dispatchable resources</i> for which the <i>market participant</i> is registered as the owner, including <i>dispatchable electricity storage resources</i> .  This change was made in response to internal feedback.
Chapter 7	22.10.1.2	Designation of Constrained Areas	Editorial  Dec 2023 Update	This section has been amended to clarify that <i>potential constrained area</i> designations shall be assessed by the <i>IESO</i> .  This change was made in response to internal stakeholder feedback.
Chapter 7	22.10.3.1, 22.10.3.4	Dynamic Constrained Areas	Reorganization  Mar 2023 Update	Moved the content from former section 22.10.3.2 to section 22.10.3.1 and 22.10.3.4 to improve flow.  Changed in response to internal stakeholder feedback.
Chapter 7	22.13.1.1, 22.13.1.2, 22.13.1.8, 22.13.1.9, 22.13.1.10	Ex-Ante Validation of Non-Financial Dispatch Data Parameters	Editorial  Dec 2023 Update	This section was updated in response to external stakeholder feedback (OPG 14) from March 2023.

Chapter	Section	Topic	Type of Change	Description
Chapter 7	22.13, 22.15-22.19	Ex-Ante Validation of Non-Financial Dispatch Data Parameters, Ex-Post Mitigation of Physical Withholding, Intertie Reference Levels, Intertie Economic Withholding on an Uncompetitive Intertie Zone, Mitigation for Make-Whole Payment Impact on Uncompetitive Intertie Zones, Intertie Economic Withholding – Procedural Steps and Timelines	Clarification / Correction / Conforming  Mar 2023 Update	<p>Certain global changes have been made in these sections to bring them into alignment with each other:</p> <ul style="list-style-type: none"> <li>References to “more than” or “above” have been replaced with “greater than”;</li> <li>References to “below” or “lower than” have been replaced with “less than”;</li> <li>Changes to fix grammatical and typographical errors or inconsistencies; and</li> <li>Specifying instances where only a particular class of <i>operating reserve</i> is considered (for greater clarity).</li> </ul> <p>These changes will not be specifically set out in this document.</p>
Chapter 7	22.14.2	Ex-ante mitigation of economic withholding	Addition  Final Alignment Change - Jun 2024	<p>Added a section stating how the <i>IESO</i> will handle the outcome of a conduct test that results in an offer curve that exceeds the allowable number of <i>price-quantity pairs</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 7	22.15.2	Ex-Post Mitigation of Physical Withholding	Clarification  Dec 2023 Update	<p>This section was amended to clarify that the assessment of <i>physical withholding</i> only applies to <i>dispatchable resources</i> in response to external stakeholder feedback (OPG 12) from March 2023.</p>
Chapter 7	22.15.4.2, 22.15.11.2	Ex-Post Mitigation of Physical Withholding	Editorial  Mar 2023 Update	<p>For consistency of phrasing in Chapter 7 and Appendix 7 of the <i>market rules</i>, “one-hour ahead run of the <i>pre-dispatch calculation engine</i>” has been replaced with “hour-ahead run of the <i>pre-dispatch calculation engine</i>”.</p>

Chapter	Section	Topic	Type of Change	Description
				This section was amended in response to internal feedback.
Chapter 7	22.15.11	Ex-post mitigation of physical withholding	Clarification  Final Alignment Change - Jun 2024	Specifying that the comparison is made to the offered class of <i>operating reserve</i> .  This change was made in response to internal feedback.
Chapter 7	22.15.12.1.2	Ex-Post Mitigation of Physical Withholding	Modification  Mar 2023 Update	This section has been amended in response to feedback from OPG on the MRP Consolidated Draft to read as follows: That <i>resource</i> and every other <i>resource</i> : (i) that shares a <i>market control entity for physical withholding</i> that met the same condition in section 22.15.11.3, but (ii) that did not meet the condition in section 22.15.12.1.1, submitted <i>offers for operating reserve</i> that were, in the aggregate, less than those <i>resources' aggregate reference quantity values</i> by greater than the lesser of 5% of 200 MW [...].
Chapter 7	22.15.12.2	Ex-Post Mitigation of Physical Withholding	Modification  Mar 2023 Update	This section has been amended in response to feedback from OPG on the MRP Consolidated Draft to read as follows: that <i>resource</i> and every other <i>resource</i> : (i) that shares a <i>market control entity for physical withholding</i> that met the same condition in section 22.15.11.4, but (ii) that did not meet the conditions in section 22.15.12.2.1, submitted <i>offers for operating reserve</i> that were, in the aggregate, lower than 5 MW less than those <i>resources' aggregate reference quantity values</i> .
Chapter 7	Former section 22.15.12	Ex-Post Mitigation of Physical Withholding	Deletion  Mar 2023 Update	Deleted in response to internal stakeholder feedback. Retaining the language in this section would have exempted <i>market participants</i> from testing when they could have been able to exercise market power via physical withholding.
Chapter 7	22.15.15	Ex-post mitigation of physical withholding	Clarification  Final Alignment Change - Jun 2024	Specifying that the comparison is made to the offered class of <i>operating reserve</i> .  This change was made in response to internal feedback.

Chapter	Section	Topic	Type of Change	Description
Chapter 7	22.16.1.1, 22.16.1.2	Intertie Reference Levels	Addition  Mar 2023 Update	Added to clarify the scope of the obligation in 22.16.1.  This change was made in response to internal feedback.
Chapter 7	22.16.1.2	Intertie Reference Levels	Modification  Dec 2023 Update	This section was updated in response to internal stakeholder feedback to account for increased processing/ calculation times. Previously, the <i>IESO</i> was required to determine <i>intertie reference levels</i> using the information available on the day that was six <i>business days</i> following the relevant <i>dispatch day</i> . That time period has been increased to 14 days to ensure that all data is final when these calculations are carried out.
Chapter 7	22.16.8	Intertie Reference Levels	Conforming  Mar 2023 Update	Amended for consistency with other sections.  This change was made in response to internal feedback.
Chapter 7	22.16.14	Intertie Reference Levels	Conforming  Mar 2023 Update	Amended for consistency with other sections.  This change was made in response to internal feedback.
Chapter 7	22.17.1.1	Intertie Economic Withholding on an Uncompetitive Intertie Zone	Design Change  Dec 2023 Update	This section was added in response to external stakeholder feedback (HQEM 3) from March 2023.
Chapter 7	22.17.4	Intertie Economic Withholding on an Uncompetitive Intertie Zone	Clarification  Mar 2023 Update	Changed in response to internal feedback regarding the outcome of the conduct test when prices were negative.
Chapter 7	22.17.4	Intertie economic withholding on an uncompetitive intertie zone	Typographical  Final Alignment Change - Jun 2024	Corrected numbering issue.  This change was made in response to internal feedback.
Chapter 7	22.17.5, 22.17.11	Intertie Economic Withholding on	Modification	Updated content to reflect that <i>offers</i> less than or equal to the relevant no-look threshold are

Chapter	Section	Topic	Type of Change	Description
		an Uncompetitive Intertie Zone	Mar 2023 Update	deemed to have not failed the relevant conduct test.  This change was made in response to internal feedback received during solution development and aligns the content with the design intent.
Chapter 7	22.17.13	Intertie Economic Withholding on an Uncompetitive Intertie Zone	Editorial  Dec 2023 Change	Changes were made to this section to correct a typographical error. The correction was to remove the word “the” before “greater than”.  This change was made in response to internal stakeholder feedback.

### Chapter 7 - July 2024 Technical Panel

Chapter	Section	Topic	Type of Change	Description
Chapter 7	3.3.4 a. – e.	Replacement Energy Offers	Editorial  <a href="#">July 2024 Update</a>	Modified the subsection a. – e. to include the “and” condition at the end of sub section d. Minor change to the list nomenclature with the use of semi-colons.  This change was made in response to stakeholder feedback – ID#6 Vlad Urukov MSO Commentary.
Chapter 7	3.4.1.1	The Form of Dispatch Data	Modified  <a href="#">July 2024 Update</a>	Removed “appropriate” from section 3.4.1.1 and sub-section a. The language is unnecessary and is not aligned with references to the <i>day-ahead market</i> and <i>real-time market</i> throughout section 3.4.1.  This change was made in response to stakeholder feedback – ID#13 Vlad Urukov MSO Commentary.
Chapter 7	3.5.16	Hourly Dispatch Data Parameters	Modified  <a href="#">July 2024 Update</a>	Added clarity in section 3.5.16 to specify that the <i>registered market participant</i> reasonably expects that the “the submission of <i>hourly must run</i> ” is necessary to prevent it from operating in a manner that would cause SEAL.  This change was made in response to stakeholder feedback – ID#16 Vlad Urukov MSO Commentary.

Chapter	Section	Topic	Type of Change	Description
Chapter 7	3.5.22.7	Daily Dispatch Data Parameters	Editorial <a href="#">July 2024 Update</a>	Replaced a semi-colon (;) with a period (.)  This change was made in response to stakeholder feedback – ID#17 Vlad Urukov MSO Commentary.
Chapter 7	3.6.5	Operating Reserve Offers	Modified <a href="#">July 2024 Update</a>	Clarified that it is the injection of “ <i>energy</i> ” by the <i>dispatchable electricity storage resource</i> in section 3.6.5.  This change was made in response to stakeholder feedback – ID#21 Vlad Urukov MSO Commentary.
Chapter 7	4.2.1	Determining the Day-Ahead Schedule	Modified <a href="#">July 2024 Update</a>	Replaced a reference to “net <i>intertie</i> scheduling limit” with a reference to “net <i>interchange schedule</i> limit” to align references to NISL in Chapter 7.  This change was made in response to internal feedback based upon review of stakeholder feedback – ID#55 Vlad Urukov MSO Commentary.
Chapter 7	4.3.1	Day-Ahead Market Scheduling Process Failure	Modified <a href="#">July 2024 Update</a>	Replaced reference to <i>DAM</i> with “ <i>day-ahead market</i> ”.  Clarified that the notification to <i>market participants</i> when the <i>IESO</i> has rerun the <i>day-ahead market calculation engine</i> will be done “in accordance with the applicable <i>market manual</i> ”.  This change was made in response to stakeholder feedback – ID#30 Vlad Urukov MSO Commentary.
Chapter 7	4.7.2.2	Publishing Day-Ahead Market Information	Modified <a href="#">July 2024 Update</a>	Deleted “for the forecast period” as the forecast period is the next <i>dispatch day</i> which is specified in section 4.7.2.  This change was made in response to stakeholder feedback – ID#31 Vlad Urukov MSO Commentary.
Chapter 7	5.8.3	Pre-Dispatch: Other Information	Modified <a href="#">July 2024 Update</a>	Clarified that the approval or rejection specified in section 5.8.3 is in reference to the <i>IESO’s</i> approval or rejection of an <i>availability declaration envelope</i> expansion, “pursuant to section 3.1.14”.



Chapter	Section	Topic	Type of Change	Description
				This change was made in response to stakeholder feedback – ID#39 Vlad Urukov MSO Commentary.
Chapter 7	6.2.1.3	Determining the Real-Time Schedule	Modified <a href="#">July 2024 Update</a>	Added “shall be set” to section 6.2.1.3. This is aligned with the existing market rule language in Chapter 7 section 6.3.1.3.  This change was made in response to stakeholder feedback – ID#41 Vlad Urukov MSO Commentary.
Chapter 7	6.6.4	Real-Time: Other Information	Modified <a href="#">July 2024 Update</a>	Replaced “trading date” with the correct MR Ch.11 defined term “ <i>trading day</i> ”.  This change was made in response to stakeholder feedback – ID#44 Vlad Urukov MSO Commentary.
Chapter 7	7.1.1B1	Purpose and Timing of Dispatch Instructions	Modified <a href="#">July 2024 Update</a>	Added “for that <i>resource</i> ” in section 7.1.1B1.  This change was made in response to stakeholder feedback – ID#49 Vlad Urukov MSO Commentary.
Chapter 7	7.3.1	The Content of Dispatch Instructions	Modified <a href="#">July 2024 Update</a>	Added “or reductions of <i>energy</i> withdrawals” in section 7.3.1.2 to account for the consideration of <i>dispatchable loads</i> in section 7.3.1.  Replaced “same” with “ <i>reactive support</i> and <i>regulation</i> ” to clarify the intent of section 7.3.1.3.  This change was made in response to stakeholder feedback – ID#56 Vlad Urukov MSO Commentary.
Chapter 7	9.4.5	The Effect of Grid Connection Requirements	Modified <a href="#">July 2024 Update</a>	Deleted “ <i>day-ahead market</i> or” since <i>day-ahead market</i> make-whole payments are not applicable to the real-time provision of <i>reactive support</i> .  This change was made in response to stakeholder feedback – ID#67 Vlad Urukov MSO Commentary.
Chapter 7	11.1.2.2	Synchronization Procedures	Modified <a href="#">July 2024 Update</a>	Separated section 11.1.2.2 into two distinct sub-sections. Section 11.1.2.2 is now related only to <i>intermittent generation resources</i> and 11.1.2.3 is now related to <i>minor</i> or <i>small generation facilities</i> .  Renumbered the subsequent sub-sections accordingly.

Chapter	Section	Topic	Type of Change	Description
				This change was made in response to stakeholder feedback – ID#71 Vlad Urukov MSO Commentary.
Chapter 7	11.2.4	Approval of Synchronization Plan	Modified <a href="#">July 2024 Update</a>	<p>Deleted “in accordance with any applicable provisions of these <i>market rules</i> relating to over generation” to clarify that the <i>market rule</i> authority in section 11.2.4 is the applicable provision within the rules.</p> <p>This change was made in response to stakeholder feedback – ID#75 Vlad Urukov MSO Commentary.</p>
Chapter 7	11.3.2	Process for De-synchronization: Non-quick Start Resources	Modified <a href="#">July 2024 Update</a>	<p>Re-inserted “at least” in section 11.3.2 which is part of the existing <i>market rule</i>. MRP has not proposed to change that aspect of the rule.</p> <p>This change was made in response to stakeholder feedback – ID#79 Vlad Urukov MSO Commentary.</p>
Chapter 7	12.2.2.1	Over-Generation and Under-Generation Advisories	Modified <a href="#">July 2024 Update</a>	<p>For consistency, the language in section 12.2.2.1 has been modified to align with the language in section 12.2.1.1.</p> <p>The <i>IESO</i> has removed the italics from the term “response” in section 12.2 and section 13.3 as the term is not intended to have the meaning of the italicized term “<i>response</i>” included in Chapter 11.</p> <p>This change was made in response to stakeholder feedback – ID#86 Vlad Urukov MSO Commentary.</p>
Chapter 7	13.2A	Market Transition Suspensions	Modified, New <a href="#">July 2024 Update</a>	<p>Modified section 13.2A (insertion of new sections 13.2A.2 to 13.2A.5), as the first day of the renewed market will require some temporary measures related to <i>dispatch data</i> submissions and the <i>availability declaration envelope</i> (ADE).</p> <p>This will allow time to resolve any potential issues and provide support to <i>market participants</i> interacting with the new tools.</p> <p>The <i>IESO</i> will:</p>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Allow more time to submit <i>dispatch data</i> before the start of submission restrictions;</li> <li>Allow more time to make changes to this <i>dispatch data</i>;</li> <li>Revise the timelines associated with submitting <i>standing dispatch data</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 7	21.4.2	Energy Offers and Energy Bids	Editorial  July 2024 Update	<p>Italicized the term “<i>offer</i>” in section 21.4.2.</p> <p>This change was made in response to stakeholder feedback – ID#91 Vlad Urukov MSO Commentary.</p>

## Chapter 8

Chapter	Section	Topic	Type of Change	Description
Chapter 8	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>As a matter of clean-up, deleted certain instances of “[Intentionally left blank – section deleted]”;</li> <li>renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 8	A	Chapter Scope and Operation	New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the “0 Series” <i>market rules</i> and <i>market manuals</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 8	2.0.1	Physical Bilateral Contracts –	New	<p>New section 2.0.1 will facilitate the suspension of <i>physical bilateral</i> contracts (PBCs) upon MRP Go-Live.</p>

Chapter	Section	Topic	Type of Change	Description
		Suspension of PBCs	Final Alignment Change - Jun 2024	<p>If in the future it is determined that there is sufficient value in reintroducing an updated PBC mechanism, the existing elements of the PBC framework could be leveraged.</p> <p>Existing references to PBCs throughout the <i>market rules</i> and <i>market manuals</i> will be retained but inoperable; these references may either be removed or repurposed in the future.</p> <p>This change was made in response to internal feedback.</p>
Chapter 8	2.3.1.2	PBC data submission	Clarification  Final Alignment Change - Jun 2024	<p>Indicated that submitted PBC data is up to 1 decimal place.</p> <p>This change was made in response to internal feedback.</p>
Chapter 8	3.1.2	Transmission rights	Typographical  Final Alignment Change - Jun 2024	<p>Removed inadvertent reference to appendix 8.2.</p> <p>This change was made in response to internal feedback.</p>
Chapter 8	3.8.4.1	Transmission rights	Modified  Final Alignment Change - Jun 2024	<p>Updated from the 1993 standard to the applicable 2007 standard to be consistent with requirements in Chapter 2.</p> <p>This change was made in response to internal feedback.</p>
Chapter 8	3.11.6	Transmission rights	Deletion  Final Alignment Change - Jun 2024	<p>Removed reference to section 3.11.6 because this section was deleted by the TR enhancement project and it is no longer applicable.</p> <p>This change was made in response to internal feedback.</p>
Chapter 8	3.12.1	Transmission rights auction	Clarification  Final Alignment	<p>Updated references to 'market commencement date' with '<i>market transition completion date</i>', which is the relevant defined term introduced in Final Alignment batch.</p>

Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	This change was made in response to internal feedback.
Chapter 8	3.18.1.5	TR Clearing Account	Deleted  Final Alignment Change - Jun 2024	Deleted section 3.18.1.5 – this section regarding debits from the <i>TR clearing account</i> to be paid to successful <i>TR offerors</i> is no longer applicable.  This change was made in response to internal feedback.

## Chapter 9

Chapter	Section	Topic	Type of Change	Description
Chapter 9	Throughout	All	Modified  Jan 2024 Update	Modified the following: <ul style="list-style-type: none"> <li>For clarification, replaced instances of “<i>boundary entity resources</i>” when intending to refer to a <i>market participant resource</i> type with “<i>energy traders</i> participating with <i>boundary entity resources</i>”, noting that <i>boundary entity resources</i> are not unique to a specific <i>energy trader</i>;</li> <li>For clarification, replaced “combustion turbines” with “combustion turbine <i>generation units</i>”; replaced “steam turbine” with “steam turbine <i>generation units</i>”;</li> <li>replaced “associated with a <i>pseudo-unit</i>” to “that are <i>pseudo-units</i>”/“that is a <i>pseudo-unit</i>”;</li> <li>replaced “not associated with a <i>pseudo-unit</i>” with “that is not a <i>pseudo-unit</i>”;</li> <li>replaced “a <i>price responsive load</i> that is not registered as a physical <i>hourly demand response resource</i>” with “a <i>price responsive load</i> that is not <b>associated with load equipment</b> registered as a physical <i>hourly demand response resource</i>”;</li> <li>replaced “a <i>price responsive load</i> registered as a physical <i>hourly demand response resource</i>” with “a <i>price responsive load associated with load equipment</i> that is registered as a physical <i>hourly demand response resource</i>”;</li> <li>removed “binding” prior to “<i>reliability constraint</i>” – word is unnecessary.</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>These changes were made in response to internal feedback.</p> <ul style="list-style-type: none"> <li>For clarification, replaced instances of <i>electricity storage resources</i> and <i>self-scheduling electricity storage resources</i> “that are withdrawing or injecting”, with “that are registered to withdraw or inject”. The revised language clarifies that the reference to such storage <i>resources</i> are not based on whether the <i>resource</i> is withdrawing or injecting at a specific point in time, but rather their registration status which permits them to withdraw or inject.</li> </ul> <p>This change was made in response to stakeholder feedback.</p>
Chapter 9	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Ensured consistent formatting, including sub bullet conventions;</li> <li>Updated name of Load Forecast Deviation Charge to Load Forecast Deviation Adjustment. This change was made because it is a more accurate description;</li> <li>Updated headings to better align with the language applicable to storage <i>resources</i>.</li> </ul> <p>This change was made in response to stakeholder feedback.</p>
Chapter 9	A, B	Chapter Scope and Operation and Exceptions	New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the “0 Series” <i>market rules</i> and <i>market manuals</i>;</li> <li>Inserted new section B to specify exceptions, or temporal sections during the <i>market transition</i>: <ul style="list-style-type: none"> <li>Section B.1.1(new) – specify that following a <i>market transition</i>, if the registration of <i>price responsive load</i> is unavailable for any reason, the <i>IESO</i> shall for settlement treatment, treat <i>self-</i></li> </ul> </li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p><i>scheduling storage resources</i> that are registered to withdraw as <i>non-dispatchable loads</i>;</p> <ul style="list-style-type: none"> <li>- Section B.1.2(new) – provides a temporarily extended time period in which <i>notices of disagreement to preliminary settlement statements</i> may be filed by <i>market participants</i>.</li> </ul> <p>This change was made in response to stakeholder feedback.</p>
Chapter 9	2.1.5	Metering and Metering Responsibilities	Modified Jan 2024 Update	<p>Deleted redundant language “with other <i>control areas</i>” as this concept is already included in the defined term “<i>interconnection agreement</i>”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.1.5.3	Metering and Metering Responsibilities	Editorial Jan 2024 Update	<p>Corrected typographical error – deleted errant/previous cross reference “3.1.9”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.2.4.2	Station Service	Modified Jan 2024 Update	<p>Replaced “<i>market participants</i> whose <i>facilities</i> are connected to” with “<i>market participants</i> whose <i>resources</i> are associated with” to further incorporate the defined term “<i>resource</i>”. The <i>settlement of connected station service</i> is at the <i>resource</i> level.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.2.9, 2.2.10	Station Service	Modified Jan 2024 Update	<p>Modified the following in order to further incorporate the defined term “<i>resource</i>”:</p> <ul style="list-style-type: none"> <li>• Replaced “<i>generation units</i>” with “<i>generation resources</i>”;</li> <li>• Replaced “<i>electricity storage units</i>” with “<i>electricity storage resources</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.2.12, 2.2.13	Station Service	Modified Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Replaced “location” with the defined term “<i>delivery point</i>”;</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Replaced "<i>generation unit</i> which is part of" with "<i>generation resource</i> associated with" to further incorporate the defined term "<i>resource</i>";</li> <li>Replaced "<i>generation facility</i>" with "<i>generation resource</i> associated with that <i>generation facility</i>" to further incorporate the defined term "<i>resource</i>";</li> <li>Replaced "<i>electricity storage unit</i>" with "<i>electricity storage resource</i> associated with" to further incorporate the defined term "<i>resource</i>";</li> <li>Sections 2.2.12 and 2.2.13: inserted "and the application process described in the <i>applicable market manual</i>" to guide <i>market participants</i> to Market Manual 5.5 which specifies further steps on applying for the station service rebate.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.3.2	Metering Data Recording and Collection Frequency	Modified Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Replaced "<i>self-scheduling electricity storage facilities</i>" with "<i>self-scheduling electricity storage resources</i>" to further incorporate the defined term "<i>resource</i>";</li> <li>Replaced "<i>registered wholesale meters</i>" with "a <i>metering installation</i>".</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.4.4	Collection and Validation of Metering Data	Editorial Jan 2024 Update	<p>Deleted the word "registered" prior to <i>metering installation</i> to delete unnecessary language.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.5	Delivery Points	Modified Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Editorial and grammatical changes to replace the singular "<i>registered wholesale meter</i>" to plural – "<i>registered wholesale meters</i>";</li> <li>Streamlined the language in section 2.5.2 and replaced the concept of "associated with the <i>facility</i>" with "the <i>resource</i> associated</li> </ul>



Chapter	Section	Topic	Type of Change	Description
				<p>with such <i>delivery point</i>” in order to further incorporate the defined term “<i>resource</i>”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.11.4	Settlement Record Retention, Confidentiality, and Reliability	Modified Jan 2024 Update	<p>Within the context of settlement and supporting data for each <i>trading day</i> being made available by direct electronic means to the relevant <i>market participant</i>, replaced “as soon as the data becomes available” with “as soon as practicable after the data becomes available”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	2.14.2(c)	Market Suspension	Modified  Final Alignment Change - Jun 2024	<p>Section 2.14.2(c):</p> <ul style="list-style-type: none"> <li>Added the word ‘hourly’ to provide clarity that the relevant price used in this provision is the hourly <i>real-time market Ontario zonal price</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.1.1, 3.1.3, 3.1.6	Two-Settlement	Modified Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.1.1.1(b) – the previous listing of <i>market participant resource</i> types using the equations in sections 3.1.3 and 3.1.6 for the calculation of two-settlement was incomplete. Added to the listing of <i>resource</i> types “<i>non-dispatchable generation resources</i>, and <i>self-scheduling electricity storage resource</i> that are registered to inject”; sections 3.1.3 and 3.1.6 which specify the equations have been updated;</li> <li>Section 3.1.1.4(c) – for clarification, replaced “<i>price responsive loads</i>” with “<i>price responsive loads</i> associated with <i>load equipment</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.2, 3.2.1	Hourly Physical Transaction Settlement Amount – Non-	Modified Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Editorial - in the title of “Hourly Physical Transaction Settlement Amount”, changed</li> </ul>

Chapter	Section	Topic	Type of Change	Description
		Dispatchable Loads		<p>"Non-Dispatchable Resources" to "Non-Dispatchable Loads";</p> <ul style="list-style-type: none"> <li>Within the context of <i>hourly demand response resources</i> not registered as <i>price responsive loads</i>, inserted "that are not associated with <i>load equipment</i>".</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.2.4	Hourly Physical Transaction Settlement Amount – Non-Dispatchable Loads	Modified Jan 2024 Update	<p>Changes to the <i>non-dispatchable generation resources</i> formula:</p> <ul style="list-style-type: none"> <li>Section 3.2.4 and 3.2.4.1 - Deleted the hourly physical transaction <i>settlement amount</i> for <i>non-dispatchable generation resources</i>;</li> <li><i>Non-dispatchable generation resources</i> and <i>self-scheduling electricity storage resources</i> that are registered to inject in the <i>day-ahead market</i> by submitting <i>dispatch data</i> indicating the amount of <i>energy</i> expected to be provided to the <i>day ahead market</i>;</li> <li>The <i>IESO's</i> initial proposed implementation did not account for MW scheduled in the <i>day-ahead market</i> for these <i>resources</i>, and as such, they would be settled based on actual injection at RT LMP. This would be inconsistent with the design intent;</li> <li><i>Non-dispatchable generation resources</i> and <i>self-scheduling electricity storage resources</i> that are registered to inject should be subjected to two-settlement in order to account for the MW scheduled in the <i>day-ahead market</i>.</li> </ul> <p>This change was presented to stakeholders at the December 15, 2023 Engagement Webinar.</p>
Chapter 9	3.3, 3.3.3.4, 3.3.4, 3.3.5	Day-Ahead Market Balancing Credit	Modified/ New Jan 2024 Update	<p>New eligibility rules for <i>energy traders</i> participating with <i>boundary entity resources</i>:</p> <ul style="list-style-type: none"> <li>Inserted new section 3.3.3.4 – similar to <i>energy transactions</i>, an <i>energy trader</i> participating with a <i>boundary entity resource</i> is ineligible for DAM BC for <i>operating reserve</i> when:</li> <li>DAM PROR is equal to or greater than RT PROR;</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Min(RT_OR_LOC_EOP, DAM_QSOR) is equal to or less than RT_QSOR</li> <li>This aligns with the intent of the DAM BC to only provide compensation when the <i>IESO</i> curtails <i>operating reserves</i> relative to its DAM position;</li> <li>Consequential to this change, updated the equation in sections 3.3.5(a), (b) and (c) for DAM_BCE and DAM_BCOR for import and export transactions respectively.</li> </ul> <p>This change was presented to stakeholders at the September 21, 2023 Engagement Webinar.</p> <p>In addition, the following minor corrections to the following variables and equations were made:</p> <ul style="list-style-type: none"> <li>Sections 3.3.4 and 3.3.5 – replaced the variable “BCE” with “DAM_BCE”; replaced the variable “BCOR” with “DAM_BCOR”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.3	DAM balancing credit	Typographical  <b>Final Alignment Change - Jun 2024</b>	<p>Section 3.3.3.3(b) - DAM_QSI corrected to DAM_QSW.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.4, 3.4.4, 3.4.5	Day-Ahead Market Make-Whole Payment – Ineligibilities – dispatchable electricity storage resources, hydroelectric generation resources	Modified, New  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.4.4.6 - For clarity, replaced the phrase “have a binding combined cycle physical unit constraint” with “have a minimum constraint applied for combined cycle operation consistent with combustion turbine commitment”;</li> <li>Section 3.4.4.7(new) – inserted new ineligibility for the DAM MWP for <i>dispatchable electricity storage resources</i> for such <i>settlement hours</i> for which such <i>resource</i> is ineligible to receive a <i>day-ahead market</i> make-whole payment in accordance with MR Ch.7 s.21.4.3;</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Sections 3.4.5.1 and 3.4.5.2 – hydroelectric <i>generation resources</i> – clarified language by replacing “that do not share <i>forebays</i>” with “are not registered on the same <i>forebay</i> as one or more other <i>hydroelectric generation resources</i>”; replaced “that share a <i>forebay</i>” with “that are registered to a <i>forebay</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.4.7 - 3.4.15	Day-Ahead Market Make-Whole Payment	Modified/Editorial Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.4.7 - Editorial change to heading to reflect the content of the section;</li> <li>Section 3.4.8 - Editorial change to heading to reflect the content of the section;</li> <li>Section 3.4.9 - Editorial change to heading to reflect the content of the section; editorial - inserted “the <i>day-ahead market</i> make-whole payment <i>settlement amount</i> is calculated as follows:”;</li> <li>Section 3.4.13.2(b)(iii) – added further clarity for the <i>forbidden region</i> set variable ‘f’ by inserting “submitted by <i>market participant</i> ‘k’ for <i>delivery point</i> ‘m’ as daily <i>dispatch data</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.4	Day-ahead market make whole payment – hydroelectric generation	typographical  Final Alignment Change - Jun 2024	<p>Section 3.4.13.5.2(b) - Corrected misspelling of day-ahead schedule.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.5.2	Real-Time Make-Whole Payment - Ineligibilities	Modified, New Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.5.2(b) – for clarity, rephrased the language by replacing “<i>boundary entity resource</i>” with “an import or export transaction” and “associated <i>energy trader</i>”;</li> <li>Section 3.5.2(h) – editorial change – replaced “pre-dispatch run” with “run of the <i>pre-dispatch calculation engine</i>”;</li> <li>Section 3.5.2(i) new - inserted new ineligibility for the RT MWP for <i>dispatchable</i></li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p><i>electricity storage resources</i> for such <i>settlement hours</i> for which such <i>resource</i> is ineligible to receive a real-time make-whole payment in accordance with MR Ch.7 s.21.4.3.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.5.4	Real-Time Make-Whole Payment - Ineligibilities	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.5.4.1(b) - replaced "binding combined cycle physical unit constraint" with "minimum constraint applied for combined cycle operation consistent with combustion turbine commitment";</li> <li>Section 3.5.4.1(c)(ii) - hydroelectric <i>generation resources</i> – clarified language by replacing "that share <i>forebays</i>" with "are registered on the same <i>forebay</i> as one or more other <i>hydroelectric generation resources</i>"; replaced "that share a <i>forebay</i>" with "that are registered to a <i>forebay</i>";</li> <li>Section 3.5.4.1(c)(iii) - hydroelectric <i>generation resources</i> – clarified language by replacing "that do not share <i>forebays</i>" with "that are not registered on the same <i>forebay</i> as one or more other <i>hydroelectric generation resources</i>".</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.5.6	Real-Time Make-Whole Payment for Dispatchable Generation Resources that are Not Pseudo-Units and Dispatchable Storage	Editorial  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Changed title – replaced "Not Associated with a Pseudo-Unit" with "that are Not Pseudo-Units"; added "and Dispatchable Storage";</li> <li>Section 3.5.6.1(a)(iii), 3.5.6.2(b)(iii) – for clarification, inserted "submitted by <i>market participant</i> 'k' for <i>delivery point</i> 'm' as daily <i>dispatch data</i>."</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.5.6.2(b)	Real-time Make whole payment	Typographical	Section 3.5.6.2(b) - Added applicable sub/superscripts to FR_UL and FR_LL, and removed superscript 't' from FR_UL in the equation.

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 9	3.5.7	Real-Time Make-Whole Payment for Dispatchable Loads	Modified Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.5.7 title – Changed title and inserted “and Dispatchable Electricity Storage Resources that are Registered to Withdraw”;</li> <li>Section 3.5.7 - Inserted “or <i>dispatchable electricity storage resource</i> that is registered to withdraw”, as this section is applicable to such <i>electricity storage resources</i>;</li> <li>Revised formulas for “RT_ELC”, “RT_ELOC”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.5.9	Real-Time Make-Whole Payment for Dispatchable Generation Resources that are Pseudo-Units	Editorial Jan 2024 Update	<p>Changed title – replaced “Associated with a Pseudo-Unit” with “that are Pseudo-Units”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.5.10	Real-Time Make-Whole Payment for Dispatchable Generation Resources that are Pseudo-Units	Modified Jan 2024 Update	<p>Replaced “<math>T_0</math>” and “<math>T_1</math>” with “<math>t_0</math>” and “<math>t_1</math>”; deleted within the definition of these variables the wording “the set of all”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.6	Real-Time Intertie Offer Guarantee	Modified Jan 2024 Update	<p>Section 3.6.5.2(a) – for clarification, replaced “shall not exceed the <i>energy</i> quantity” to “shall not exceed the scheduled <i>energy</i> quantity”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	3.7.4	Real-Time Import Failure Charge	Modified Jan 2024 Update	<p>Section 3.7.4 – Replaced the formula for “RT_IMFC”.</p> <p>This change was presented to stakeholders at the December 15, 2023 Engagement Webinar.</p>

Chapter	Section	Topic	Type of Change	Description
Chapter 9	3.7.6	Real-Time Export Failure Charge	Modified  Jan 2024 Update	Section 3.7.6 – Replaced the formula for “RT_EXFC”.  This change was presented to stakeholders at the December 15, 2023 Engagement Webinar.
Chapter 9	3.7A	Day-Ahead Market Intertie Failure Charge	New  Jan 2024 Update	Section 3.7A(new) – new formulas for the DAM import failure charge and DAM export failure charge.  This change was presented to stakeholders at the December 15, 2023 Engagement Webinar.
Chapter 9	3.8	Hourly Settlement Amounts for Transmission Rights	Editorial  Jan 2024 Update	Sections 3.8.1 and 3.8.2 – replaced “ <i>TR settlement credit settlement amount</i> ” with “ <i>transmission right settlement credit settlement amount</i> ”.  This change was made in response to internal feedback.
Chapter 9	3.8	Transmission Rights	Clarification, Deletion  Final Alignment Change – Jun 2024	Section 3.8.1 – This provision was clarified by adding a superscript ‘z’ to better distinguish it from the more common usage of DAM_PEC. As a result of this clarification, a similar change was made to QTR, for consistency, and the where clauses for ‘iz’ and ‘jz’ were determined to be redundant and were deleted.  This change was made in response to internal feedback.
Chapter 9	3.10	Operating Reserve Non-Accessibility Charge and Associated Reversal Charges	New  Jan 2024 Update	New section 3.10 on three settlement clawback modifications to align the principles of Operating Reserve Accessibility (ORA) with the Market Renewal Program design: <ul style="list-style-type: none"> <li>• OR Standby Payment Claw-back for <i>dispatchable generator</i> and loads (revision to current market rules);</li> <li>• RT MWP clawback for the portion of OR that was inaccessible (new);</li> <li>• RT GOG clawback for the portion of OR that was inaccessible (new).</li> </ul> This change, with sample calculations and examples was presented to stakeholders at the September 21, 2023 Engagement Webinar.
Chapter 9	3.10	OR non-accessibility charge	Clarification	Section 3.10.1 – Added “for each type of <i>class r reserve</i> ” to indicate that the settlement charge is calculated for each type of <i>class r reserve</i> .

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.3 and 3.10.26 - For consistency with the RT_GOG section, replaced reference to various <i>resource</i> types with reference to <i>GOG-eligible resources</i> .  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.6 (a) - Removed reference to 'non-aggregated' as the calculation is the same for both aggregated and non-aggregated <i>generation resources</i> .  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.8(b) - Within the equation, replaced AQOR with RT_QSOR as this is the applicable variable for MRP.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.10(b) and 3.10.15 - Removed 'r1' from subscript of TAOR because it is a singular value and not specific to types of <i>operating reserve</i> .  REAH variable in the equation updated to 'r3' subscript.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.10(b) and 3.10.16 - Reference to EAH being less than zero, updated to greater than zero.  This change was made in response to internal feedback.



Chapter	Section	Topic	Type of Change	Description
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.11 & 3.10.13 - Added the word ' <i>dispatchable</i> ' to specify the relevant type of <i>generation resource</i> .  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.12 & 3.10.14 - Removed sum of R function from numerator in ORSCB equation because it is specific to a certain <i>class r reserve</i> .  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.19, 3.10.22, & 3.10.25 - Added where clause (a) to adjust the <i>offer</i> price when it would otherwise exceed the <i>market price</i> . The numbering of the rest of the where clause was updated accordingly.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.21(b),(c), and (d), 3.10.22(b),(c), and (d), 3.10.24(b),(c), and (d). and 3.10.25(b),(c), and (d)  Updated equation to replace BOR with RT_OR_DIPC.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Sections 3.10.27(a), (b) and (c), and 3.10.28(a), (b) and (c)  Removed 'divide by 12' from the equation because it is already at the <i>metering interval</i> level. The equation in section 3.10.28(c) also had a Max zero function added because it was inadvertently left out.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification	Sections 3.10.29 and 3.10.31 - Added reference to <i>GOG-eligible resource</i> .

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.29(b) - The equation for RT_GOG_ORSCB was replaced with an equation for ORSCB_REV to align with the variable used in the main body of this section.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.29(e) - Equation for RT_GOG_TAOR_ST replaced OR_RT_GOG_DIGQ with RT_OR_CMT_DIGQ.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.30(a), (b), and (c) - Updated equations to calculate COMP2_CB.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.31(a), (b), and (c) - Updated equations for ORIA_AMT to replace RT_QSOR with RT_OR_CMT_DIGQ. In addition, the divide by 12 was removed because it is already at the <i>metering interval</i> level.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment Change - Jun 2024	Section 3.10.33(a), (b), and (c) - Updated equations for COMP2_CB to replace BOR with RT_OR_DIPC. In addition, the divide by 12 was removed because it is already at the <i>metering interval</i> level.  This change was made in response to internal feedback.
Chapter 9	3.10	OR non-accessibility charge	Clarification  Final Alignment	Section 3.10.34(a), (b), and (c) – deleted the divide by 12 from the equation because it is already at the <i>metering interval level</i> . Also, the added a Max zero function to the equation in section 3.10.34(c) because it was missing.

Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	This change was made in response to internal feedback.
Chapter 9	3.11	Hourly Uplifts	Modified, New  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section numbering changed from section 3.10 to 3.11;</li> <li>Section 3.11.1(d) – for “RT_MWP”, inserted “as reduced by any RT_MWP_RC calculated in accordance with sections 3.10.2 for such <i>market participant, delivery point, and settlement hour</i>”;</li> <li>Section 3.11.1(m) – inserted new variable “ORSCB”, the <i>operating reserve</i> shortfall <i>settlement</i> debit <i>settlement amount</i> to reflect hourly uplift modifications resulting from OR accessibility charges.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.4	Day-Ahead Market Generator Offer Guarantee	Modified, New  Jan 2024 Update	<p>Modified the following:</p> <p>Throughout section 4.4:</p> <ul style="list-style-type: none"> <li>Replaced “Day -1” to “Day 0” when referring to the day the <i>day-ahead market calculation engine</i> runs;</li> <li>Replaced “Day 0” to “Day 1” when referring to the <i>dispatch day</i>.</li> </ul> <p>Section 4.4.6(d) – for clarification:</p> <ul style="list-style-type: none"> <li>Inserted “is registered as a <i>pseudo-unit</i>”;</li> <li>Replaced “binding” with “minimum constraint applied for”;</li> <li>Replaced “physical unit constraint” with “operation consistent with combustion turbine commitment”.</li> </ul> <p>Section 4.4.10 – replaced “the <i>IESO</i> required, in order to maintain the <i>reliability</i> of the <i>IESO controlled grid</i>” with “the <i>IESO</i> directed”.</p> <p>Section 4.4.25(b) (new) – inserted definition for variable “DAM_GOG_COMP4” with cross reference to section 4.4.18.</p>

Chapter	Section	Topic	Type of Change	Description
				This change was made in response to internal feedback.
Chapter 9	4.4	Day-ahead market generator offer guarantee	Typographical  Final Alignment Change - Jun 2024	<p>Section 4.4.3 - Added the word 'not' to indicate that this section applies to <i>GOG-eligible resources</i> that are not <i>pseudo-units</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.5	Real-Time Generator Offer Guarantee	Modified  Jan 2024 Update	<p>Modified the following:</p> <p>Throughout section 4.5:</p> <ul style="list-style-type: none"> <li>Replaced "Day -1" to "Day 0" when referring to the day the <i>day-ahead market calculation engine</i> runs;</li> <li>Replaced "Day 0" to "Day 1" when referring to the <i>dispatch day</i>.</li> </ul> <p>Section 4.5.6(d) – for clarification:</p> <ul style="list-style-type: none"> <li>Inserted "is registered as a <i>pseudo-unit</i>";</li> <li>Replaced "binding" with "minimum constraint applied for";</li> <li>Replaced "physical unit constraint" with "operation consistent with combustion turbine commitment".</li> </ul> <p>Section 4.5.15 – RT_GOG Component#1 – edited formula to replace "RT_CMT_DIPC" with "RT_DIPC";</p> <p>Section 4.5.16 - RT_GOG Component#2 – edited formula to replace "RT_OR_CMT_DIPC" with "RT_OR_DIPC";</p> <p>Section 4.5.17 - RT_GOG Component#3 – edited formula to replace "RT_CMT_DIPC" with "RT_DIPC".</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.6	Real-time ramp down settlement amount	New  Final Alignment	<p>Section 4.6.3.1 – Added new section to ensure RT_RDSA is not paid during a SEAL event.</p> <p>This change was made in response to internal feedback.</p>

Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	
Chapter 9	4.6	Real-time ramp down settlement amount	Clarification  Final Alignment Change - Jun 2024	Section 4.6.8.1 and 4.6.13.1 - Added "or an associated physical unit <i>resource</i> " to capture the individual units of the <i>pseudo-units</i> .  This change was made in response to internal feedback.
Chapter 9	4.8.3	Real-Time External Congestion Residual	Editorial  Jan 2024 Update	Modified the following: <ul style="list-style-type: none"> <li>Sections 4.8.3, 4.8.4 – inserted "uplift" – "external congestion residual <b>uplift settlement amount</b>";</li> <li>Section 4.8.7 – inserted "uplift" – "net interchange scheduling limit residual <b>uplift settlement amount</b>".</li> </ul> This change was made in response to internal feedback.
Chapter 9	4.8.5	Day-ahead market NISL residual	Modified  Final Alignment Change - Jun 2024	Section 4.8.5 - Corrected the <i>market participant</i> types that are subject to this <i>settlement amount</i> .  This change was made in response to internal feedback.
Chapter 9	4.9	Transmission Rights Clearing Account Disbursements	Modified  Jan 2024 Update	Modified the following: <ul style="list-style-type: none"> <li>4.9.2.2(d), (e), (f): for variable "TRCAD", inserted "(in \$ and up to 2 decimal places)";</li> <li>4.9.2.2(h) – inserted "the set of all" prior to "<i>intertie metering points</i>".</li> </ul> This change was made in response to internal feedback.
Chapter 9	4.10	Generator Failure Charge	Modified  Jan 2024 Update	Modified the following: <p>Section 4.10.1(a), (b):</p> <ul style="list-style-type: none"> <li>clarified the meanings of 'T' and 'T1' by inserting "combustion turbine <i>generation unit delivery point</i>'c', or steam turbine <i>generation unit delivery point</i>'s', as applicable;</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>For 'T', inserted reference to the <i>generator failure</i> time period being defined in "the applicable <i>market manual</i>";</li> <li>For "T1", reworded for clarity.</li> </ul> <p>Section 4.10.6(f) – for clarity, inserted "for <i>market participant</i> 'k' at <i>delivery point</i> 'm' for <i>generator failure</i> 'f', and".</p> <p>Section 4.10.9 – deleted "T" and its corresponding definition, which is redundant and incorporated in the global definition of "T" in section 4.10.1.</p> <p>Section 4.10.10(e) and 4.10.11(e) – "PD_SU_Ratio" – clarified definition by replaced "prorated" with "prorating factor for <i>market participant</i> 'k' at combustion turbine <i>delivery point</i> 'c' for <i>generator failure</i> 'f'".</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.11	Fuel Cost Compensation Credit	Modified Jan 2024 Update	<p>Section 4.11.2.1 – replaced "to achieve its <i>minimum loading point</i> in accordance with its <i>day-ahead operational commitment</i> or <i>pre-dispatch operational commitment</i>" with "to achieve <b>and maintain</b> its <i>minimum loading point for the duration</i> of its <i>day-ahead operational commitment</i> or <i>pre-dispatch operational commitment</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.13	Capacity Obligations	Modified, New Jan 2024 Update	<p>Note: Existing section 4.7J – Capacity Obligations has been moved to new section 4.13. Tracked changes have been shown for incremental MRP related amendments to the existing language in 4.7J.</p> <p>Modified the following:</p> <ul style="list-style-type: none"> <li>Renumbered all sections with move from existing section 4.7J to new section 4.13;</li> <li>Replaced several instances of "<i>capacity auction</i>" with "<i>capacity obligation</i>";</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Replaced all instances of "<i>day-ahead commitment process</i>" with "<i>day-ahead market</i>";</li> <li>Replaced all instances of "<i>settlement hours</i>" with "<i>settlement hours`h`</i>";</li> <li>Replaced all instances of "<i>real-time energy market</i>" with "<i>real-time market</i>";</li> <li>Editorial – All formulas - replaced "MAX" with "Max";</li> <li>Section 4.13.2.1(c) – for clarification, inserted "in either the <i>day-ahead market</i> or <i>real-time market</i>"; inserted "during the relevant <i>availability window</i>";</li> <li>Section 4.13.2.2(b) – for clarity, inserted "failed to" prior to "maintain"; editorial change to variable "CAEO";</li> <li>Section 4.1.2.2(c) – replaced "<i>pre-dispatch hour</i>" with "<i>pre-dispatch process</i>";</li> <li>Section 4.13.3.1(b) – replaced "AQEW" with "its allocated quantity of <i>energy withdrawn</i>";</li> <li>Section 4.13.9 – editorial - replaced "<i>capacity obligation buy-out settlement amount</i>" with "<i>capacity obligation buy-out <b>charge</b> settlement amount</i>"; deleted 'tm' because already defined as part of the relevant variable;</li> <li>Section 4.13.11.2 – formula for "CAEOP" – replaced "HOEP" with "DAM_LMP<sup>2</sup>" and limited to those HDR resources that are not also registered as PRLs;</li> <li>Section 4.13.11.3 – inserted new section for <i>capacity market participants</i> participating with an <i>hourly demand response resource</i> that is associated with <i>load equipment</i> registered as a <i>price responsive load</i> with corresponding equation for "CAEOP" that uses "RT_LMP" instead of HOEP;</li> <li>Section 4.13.12 – replaced "<i>capacity market participant offered an amount of capacity</i>" with "the lowest quantity of capacity <i>offered</i> in the <i>day-ahead market</i>, <i>pre-dispatch process</i>, and <i>real-time market</i> by the <i>capacity market participant</i>";</li> <li>Section 4.13.12(a) – inserted "or <i>intertie metering point</i>";</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Section 4.13.12(b) – for “UCAP Adjustment” - replaced “based on the <i>hourly demand response resource’s</i> delivered performance during a <i>capacity auction capacity test</i> performed during the relevant <i>obligation period</i>, as determined in accordance with the applicable <i>market manual</i>” with a reference to section 4.13.8;</li> <li>Section 4.13.12(f) – deleted ‘tm’ because it is already defined as part of the relevant variable;</li> <li>Section 4.13.14.1 – editorial – replaced “*” with multiplication symbol “x”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.13	Capacity Obligations	Modified  Final Alignment Change - Jun 2024	<p>Section 4.13.11.2 - Added Load forecast deviation adjustment to the Ontario zonal price.</p> <p>Section 4.13.11.3 - Updated relevant price from the real-time <i>locational marginal price</i> to the real time <i>Ontario zonal price</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.13	Capacity obligation buy-out charge	Modified  Final Alignment Change - Jun 2024	<p>Section 4.13.9 a. - The defined term ‘commitment period’ has been re-named ‘<i>capacity auction commitment period</i>’ to avoid confusion with other references to commitment periods.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.14	Non-Hourly Uplifts	Modified  Jan 2024 Update	<p>Modified the following:</p> <p>Generator Failure Charge – Guarantee Cost Component Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.1 – inserted “<i>electricity storage resources</i> that are registered to withdraw”.</li> </ul> <p>Real-time Generator Offer Guarantee uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.2 – inserted “<i>electricity storage resources</i> that are registered to withdraw”;</li> <li>Section 4.14.2 – equation updated to include RT_GOG_CB to ensure amounts uplifted are net the amount recovered by the clawback.</li> </ul>



Chapter	Section	Topic	Type of Change	Description
				<p>(c) was added to define RT_GOG_CB as the amount calculated pursuant to section 3.10.3.</p> <p>Day-Ahead Market Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.3 – inserted “<i>electricity storage resources</i> that are registered to withdraw”.</li> </ul> <p>Day-Ahead Market Reliability Scheduling Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.4 – inserted “<i>electricity storage resources</i> that are registered to withdraw”.</li> </ul> <p>DAM Reliability Scheduling Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.5 – for clarification, inserted “but were not schedule in Pass 1: Market Commitment and Market Power Mitigation Pass”;</li> <li>Section 4.14.6(b), 4.14.7(b) – replaced “DAM_EOP” with “DAM_OR_EOP”.</li> </ul> <p>Fuel Cost Compensation Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.8 – inserted “<i>electricity storage resources</i> that are registered to withdraw”.</li> </ul> <p>Mitigation Amount for Physical Withholding Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.9 – inserted “<i>electricity storage resources</i> that are registered to withdraw”.</li> </ul> <p>Mitigation Amount for Intertie Economic Withholding Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.10 – inserted “<i>electricity storage resources</i> that are registered to withdraw”.</li> </ul> <p>Real-Time Ramp-Down Settlement Amount Uplift</p> <ul style="list-style-type: none"> <li>Section 4.14.11 - inserted “<i>electricity storage resources</i> that are registered to withdraw”;</li> <li>Section 4.14.11 – replaced “RTRDSA” with “RT_RDSA”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.14	Day-ahead reliability scheduling uplift	Modified  Final Alignment Change - Jun 2024	Section 4.14.4.1 - Deleted the definition of superscript ‘V’, as this definition is already contained in Appendix 9.2

Chapter	Section	Topic	Type of Change	Description
				<p>Updated equation to add superscript 'p2' and move the Max function to outside of the Sum function, and added the following:</p> <ul style="list-style-type: none"> <li>- Added "in Pass 2: Reliability Scheduling and Commitment of the <i>day-ahead market calculation engine</i>" in the introduction to the equation for DAM_NDL_OF</li> </ul> <p>Added following where clause for DAM_NDL_OF as part c.: "p2' is Pass 2: Reliability Scheduling and Commitment of the <i>day-ahead market calculation engine</i>." to better clarify the pass of the <i>DAM calculation engine</i> where the relevant inputs originate.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.14	Intertie Economic Withholding	Modified  Final Alignment Change - Jun 2024	<p>Section 4.14.10 – replaced "<i>energy market billing period</i>" with "trading day" because the settlement amount is assessed daily.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.14 & 5.5	Intertie Economic Withholding	Modified  Final Alignment Change - Jun 2024	<p>Section 4.14.10 &amp; 5.5 - Updated settlement amount name to <i>intertie economic withholding settlement amount</i> to better align with defined terms. All references to this <i>settlement amount</i> have been updated as well.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	4.14.12j.	Independent Review process Uplift	New  Final Alignment Change - Jun 2024	<p>Section 4.14.12j. -</p> <p>Added new section to add a market uplift to recover the costs of the IRP process, incurred in the specific circumstances outlined in MR. Ch7 s. 22.8.11.2.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9	5	Market Power Mitigation	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Throughout section 5 – variable "MWs Failed" - added "in accordance with the following", and added condition (a), otherwise (b);</li> <li>• Section 5.2.1 – Modified equation for "DAM_RLSC" – deleted "x PM_RLSC";</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Section 5.2.1.1.3 – for clarification, inserted “where either of the following conditions is true:”, and split language into conditions (a) and (b);</li> <li>Section 5.3.1 – Modified equation for “RT_RLSC” – deleted “x PM_RLSC”;</li> <li>Section 5.3.1.1.3 – for clarification, inserted “where either of the following conditions is true:”, and split language into conditions (a) and (b);</li> <li>Section 5.4.1 – corrected cross-reference by replacing “22.15.26” to “22.15.25”;</li> <li>Section 5.4.1.1(c) – corrected subscripts in “DAM_LMP”;</li> <li>Section 5.4.1.1(c)(ii)(b) – typographical error - replaced “<i>alternate reference quantity value</i>” with “<i>alternative reference quantity value</i>”; corrected subscripts in “RT_LMP”;</li> <li>section 5.5.1.1(b) and (c), 5.5.1.1(c) – Corrected subscripts for “DAM_LMP” and “RT_LMP”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	5.1.2	Mitigation of Settlement Amounts	Correction , Modified  Final Alignment Change - Jun 2024	<p>Replaced the following variables:</p> <ul style="list-style-type: none"> <li>RT_BE to BE;</li> <li>RT_BOR to BOR;</li> <li>RT_SNL to PD_BE_SNL;</li> <li>RT_SU to RT_GOG_SU;</li> <li>DAM_SNL to DAM_BE_SNL; the changes to the variables were made to ensure consistency with Appendix 9.2 and Chapter 9;</li> <li>Added new part (i) which specifies that the substitutions in (a) to (h) will apply to their respective counterparts for steam turbine <i>delivery points</i> and combustion turbine <i>delivery points</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	5.4.1	Ex-Post Mitigation for Physical Withholding	Clarification	Added language to clarify which types of <i>resources</i> are subject to this <i>settlement amount</i> .

Chapter	Section	Topic	Type of Change	Description
			Final Alignment Change - Jun 2024	This change was made in response to internal feedback.
Chapter 9	5.4.1.1	Ex-Post Mitigation for Physical Withholding	Clarification  Final Alignment Change - Jun 2024	Added 'for both' and removed 'either' to ensure the relevant <i>settlement hours</i> were anytime there was <i>physical withholding</i> .  This change was made in response to internal feedback.
Chapter 9	5.4.1.1(d)(ii)(b) & 5.4.1.2(c)(ii)(b) & 5.4.1.2(d)(ii)(b)	Ex-Post Mitigation for Physical Withholding	Clarification  Final Alignment Change - Jun 2024	Added "or <i>alternative reference quantity value</i> , as the case may be" to capture scenario where <i>alternative reference quantity value</i> applies.  This change was made in response to internal feedback.
Chapter 9	5.4.1.2	Ex-Post Mitigation for Physical Withholding	Clarification  Final Alignment Change - Jun 2024	Updated subscript 'mce' to 'mcepw'  Added reference to the <i>registered market participant</i> in section b for clarity.  This change was made in response to internal feedback.
Chapter 9	5.5.1.1(b)(ii) & 5.5.1.1(c)(ii) & 5.5.1.3(b)(ii) & 5.5.1.3(c)(ii)	Ex-Post Mitigation for Intertie Economic Withholding	Typographical  Final Alignment Change - Jun 2024	Added "as determined in accordance with the following".  This change was made in response to internal feedback.
Chapter 9	6	Settlement Statements	Modified, New	Modified the following:

Chapter	Section	Topic	Type of Change	Description
			Jan 2024 Update	<ul style="list-style-type: none"> <li>section 6.3.28 – inserted “and, if so, the revised payment dates”;</li> <li>section 6.3.29 – replaced “equal to the aggregate of” with “determined in accordance with the following”;</li> <li>Section 6.3.29.1 – inserted “in regards to the amount referred to in section 6.4.2.1, the amount shall be equal to the aggregate of:” and moved content from previous 6.3.29.1 to section 6.3.29.1.1;</li> <li>Section 6.3.29.2 (new) – inserted new section;</li> <li>Section 6.3.30 – revised cross reference to 6.3.29.1;</li> <li>Section 6.4.2.2, 6.5.2.3 – deleted “or sale”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9	6.3.16 & 6.3.18	Notice of Disagreement	Modification  Final Alignment Change - Jun 2024	<p>The timeline for submitting a notice of disagreement in respect of a <i>final settlement statement</i> and <i>recalculated settlement statements</i> was extended from 6 <i>business days</i> to 10 <i>business days</i>.</p> <p>This change was to address stakeholder comments.</p>
Chapter 9	6.16.6.3.2	TR shortfall recovery	Clarification  Final Alignment Change - Jun 2024	<p>Updated to add additional where clauses to ensure all variables are fully defined.</p> <p>This change was as a result of internal feedback.</p>
Chapter 9, Appendices	Throughout	All	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>For clarification, replaced “combustion turbines” with “combustion turbine <i>generation units</i>”; replaced “steam turbine” with “steam turbine <i>generation units</i>”;</li> <li>For the variables listing in all sections – added further specificity by replacing “in MWh” with “in MWh and up to 1 decimal place or up to 2 decimal places” as applicable; added “in \$ and up to 2 decimal</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>places”, “in MWh and up to 1 decimal place”, etc;</p> <ul style="list-style-type: none"> <li>Replaced instances of “the <i>day-ahead commitment process</i>” with “the <i>day-ahead market</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendices	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Updated references from combustion turbine/steam turbine <i>generation units</i> to combustion turbine/steam turbine <i>resources</i>, as the <i>settlement process</i> is typically at the <i>resource</i> level.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.2	1	General/Overview	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 1.1.1 – editorial - replaced “spinning and non-spinning <i>ten-minute operating reserve</i>” with “synchronized and non-synchronized <i>ten-minute operating reserve</i>”;</li> <li>Section 1.1.3 (move) – moved sections defining operating regions ‘d’ (d1, d2, d3) from Appendix 9.3 section 1.1.1.1 to Appendix 9.2 section 1.1.3.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.2	3	Day-Ahead Market Variables, Data and Information	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 3.1.14 – replaced “<i>day-ahead calculation engine</i>” with “applicable calculation engine”;</li> <li>section 3.4 – replaced cross reference to “the applicable <i>market manual</i>” with “MR Ch.7 App.7.8 s.2.6”;</li> <li>section 3.4.5 – replaced “where r1, r2, and r3 are all applicable” with “where only r2 and r3 are applicable”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9,	4	Pre-Dispatch Variables, Data	Modified, New	Modified the following:

Chapter	Section	Topic	Type of Change	Description
Appendix 9.2		and Information	Jan 2024 Update	<ul style="list-style-type: none"> <li>Section 4.1.11 (new) – inserted new variable “PD_LMP”;</li> <li>Section 4.2.10 (new) – inserted new variable “PD_BE_SNL” – <i>speed no-load offer</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.2	5	Real-Time Market Variables, Data and Information	Modified, New Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 5.1 – deleted “as may be modified by the <i>IESO</i>”;</li> <li>Section 5.1.5 – replaced “RT_ST_Portion” with “ST_Portion_INT”; replaced ‘d’ with ‘d1’;</li> <li>Section 5.4 – replaced “in accordance with the applicable <i>market manual</i>” with “in accordance with MR Ch.7 App.7.8 s.3.5” and “s4.5” as applicable;</li> <li>Section 5.4.18 (new) – inserted new variable “RT_STP_QSOR”;</li> <li>Section 5.4.21 – deleted “RT_CMT_DIPC”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.2	5.1.9	Settlement Variable	Addition  Final Alignment Change - Jun 2024	<p>Added definition for the <i>real-time market Ontario zonal price</i>, as this variable is now used in the <i>capacity auction</i> section of Chapter 9.</p> <p>This change was made as a result of internal feedback.</p>
Chapter 9, Appendix 9.2	8	Allocated Quantities	Modified, New Jan 2024 Update	<p>Section 8.1.6 (new) – inserted new variable “GSSR_AQEW”.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.2	11	Capacity Auction	Modified, New Jan 2024 Update	<p>Note: Existing section 3.1.10 of Chapter 9 – Capacity Auctions has been moved to new section 11 of Appendix 9.2, and section numbers have been added to the variable definitions. Tracked changes have been shown for incremental MRP related amendments to the existing language in section 3.1.10.</p> <p>Modified the following:</p>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Section 11.1.3 – replaced “<i>real-time energy market</i>” with “<i>real-time market</i>”;</li> <li>Section 11.1.5 – replaced cross reference “section 4.7J.3 of Chapter 9” with “MR Ch.9 s. 4.1.3.9”;</li> <li>Section 11.1.8 – inserted “within the relevant <i>obligation period</i>”; replaced “as listed in Section 7.1 of Market Manual 12” with “as listed in the applicable <i>market manual</i>”;</li> <li>Section 11.1.9 – replaced “<i>pre-dispatch</i>” with “<i>pre-dispatch process</i>”; replaced “<i>real-time energy market</i>” with “<i>real-time market</i>”;</li> <li>Section 11.1.12 – the formula is modified as a matter of clean-up;</li> <li>Section 11.1.14 – inserted “in accordance with MR Ch.9 s.4.13.7.1”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.3	1.1	Introduction/General	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 1.1.1.1 (move) – moved section defining operating regions ‘d’ (d1, d2, d3) from Appendix 9.3 section 1.1.1.1 to Appendix 9.2 section 1.1.3.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.3	1.1.1.1	Settlement Variable	Modified  Final Alignment Change - Jun 2024	<p>Updated definition of variable to include <i>operating reserve offers</i>.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.3	1.2	Day-Ahead Market - Energy	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 1.2.1.11 – edited variable and equation – replaced “DAM_DIGQ” with “DAM_QSI_DIGQ”, corrected subscripts in “QSI”.</li> </ul> <p>This change was made in response to internal feedback.</p>



Chapter	Section	Topic	Type of Change	Description
Chapter 9, Appendix 9.3	1.5	Real-Time Market - Energy	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 1.5.1.4 – replaced “RT_ST_Portion” with “ST_Portion”;</li> <li>Previous sections 1.5.1.6 and 1.5.1.7 – deleted “RT_LC_EOP_DRRQ” and “RT_LOC_EOP_DRRQ” formulas – formulas and variables are not required for the calculation;</li> <li>Section 1.5.1.6 – with above deletion, renumbered previous section 1.5.1.8 to 1.5.1.6 – replaced variable “RT_ST_Portion” with “ST_Portion” and revised formula accordingly;</li> <li>Section 1.5.1.12 – deleted table, and replaced with formula for “RT_DIPC”;</li> <li>Section 1.5.1.13 – corrected subscript for “RT_QSI_DIGQ” and updated formula;</li> <li>Section 1.5.1.14 - corrected subscript for “RT_STP_QSI” and updated formula.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.3	1.6	Real-Time Market – Operating Reserve	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 1.6.1.1 - corrected subscript for “OR_RT_DRRQ” and replaced “RT_ST_Portion” with “ST_Portion” - updated formula accordingly;</li> <li>Section 1.6.1.3 – replaced variable “RT_ST_Portion” with “ST_Portion”, and updated formula accordingly;</li> <li>Section 1.6.1.7 – deleted table, and replaced with formula for “RT_OR_DIPC”;</li> <li>Section 1.6.1.10 – corrected subscripts for “RT_OR_CMT_DIGQ” and “RT_STP_QSOR”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	1, 1.1	Introduction - Interpretation	Modified, New  Jan 2024 Update	<p>Section 1.1.1.3 (new) – inserted new section which specifies the conduct tests in order of their restrictiveness, for the purpose of determining which conduct test applies for a specific <i>settlement hour</i>.</p>

Chapter	Section	Topic	Type of Change	Description
				This change was made in response to internal feedback.
Chapter 9, Appendix 9.4	2.2	Day-Ahead Market Mitigation – Constrained Area Conditions	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Section 2.2.2.1 – inserted “or any <i>resource</i> meets the conditions outlined in ss.2.3.2.2 or 2.3.2.3”;</li> <li>• Section 2.2.2.2 – inserted “or any <i>resource</i> meets the conditions outlined in ss.2.3.3.2 or 2.3.3.3”;</li> <li>• Section 2.2.2.3 – inserted “or any <i>resource</i> meets the conditions outlined in ss.2.3.4.2 or 2.3.4.3”;</li> <li>• Section 2.2.2.4 – inserted “or any <i>resource</i> meets the conditions outlined in ss.2.3.5.2”;</li> <li>• Section 2.2.3.1 – inserted “or any <i>resource</i> meets the conditions outlined in ss.2.3.7(b)”;</li> <li>• Section 2.2.3.2 – inserted “or any <i>resource</i> meets the conditions outlined in ss.2.3.8(b)”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	2.3	Applicable Resources	Modified, New  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Inserted new section 2.3.2.2 to specify an additional conduct test;</li> <li>• Moved content from previous section 2.3.2.2 to 2.3.2.3;</li> <li>• Section 2.3.2.3 – for clarity, inserted “is part of a <i>narrow constrained area</i> and”; replaced “greater than -0.02” with “that is less than - 0.02”; inserted “except for when the difference between the flow and constraint value is less than or equal to 10MW”;</li> <li>• Inserted new section 2.3.3.2 to specify an additional set of <i>resources</i> subject to the conduct test;</li> <li>• Moved content from previous section 2.3.3.2 to 2.3.3.3;</li> <li>• Section 2.3.3.3 - for clarity, inserted “is part of a <i>dynamic constrained area</i> and”; replaced “greater than -0.02” with “that is less than - 0.02”; inserted “except for when the difference between the flow and constraint value is less than or equal to 10MW”;</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<ul style="list-style-type: none"> <li>Section 2.3.4.2 - replaced "and the congestion component of the applicable <i>locational marginal price</i> is greater than \$0/MWh on any binding constraint" with "where any binding constraint"; inserted "causes an increase in the congestion component of the <i>resource's day-ahead market locational marginal price</i>";</li> <li>Section 2.3.4.3 - replaced "greater than - 0.02" with "that is less than -0.02"; inserted "except for when the difference between the flow and constraint value is less than or equal to 10MW";</li> <li>Section 2.3.7(b) – constrained area condition test for local market power mitigation for <i>operating reserve</i> – replaced "all <i>resources</i> that have a <i>day-ahead schedule</i> for <i>operating reserve</i> whom are located in a region with a binding maximum constraint" with "all <i>resources</i> that meet the condition outlined in MR Ch.7 App7.5 s.10.6.1.3";</li> <li>Section 2.3.8(b) – constrained area condition test for global market power mitigation for <i>operating reserve</i> – replaced "all <i>resources</i> that have a <i>day-ahead schedule</i> for <i>operating reserve</i> whom are located in a region with a binding maximum constraint" with "all <i>resources</i> that meet the condition outlined in MR Ch.7 App7.5 s.10.7.3".</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	2.3.2.2, 2.3.2.3, 2.3.3.2, 2.3.3.3, 3.3.2.3, 3.3.2.4, 3.3.3.3, 3.3.3.4	Constrained Area Condition Test	Editorial, Clarification  Final Alignment Change - Jun 2024	<p>Fixed 'a' to 'the' to indicate it is a specific reference to NCA/DCA as applicable.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	2.4	Conduct Test	Modified, New  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Section 2.4.1 – for the purposes of the conduct tests set out in section 2.4, inserted</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>two new subsections (a) and (b) specifying two conditions;</p> <ul style="list-style-type: none"> <li>• All sections - replaced "<i>day-ahead market commitment period</i>" with the correct defined term "<i>day-ahead commitment period</i>";</li> <li>• Section 2.4.14 – replaced "as determined in accordance with the applicable <i>market manual</i>" with "in accordance with section 1.1.1.3".</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	2.4.1, 3.4.1	EMFC Laminations	New  Final Alignment Change - Jun 2024	<p>Provision added to specify the treatment of EMFC laminations when they would otherwise exceed the maximum number of laminations.</p> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	3.2	Constrained Area Conditions	Modified  Jan 2024 Update	<p>Modified the following:</p> <p>Constrained Area Condition Test for a Narrow Constrained Area:</p> <ul style="list-style-type: none"> <li>• Section 3.2.2.1(b) – inserted "or any <i>resource</i> meets the conditions outlined in 3.3.2.3 or 3.3.2.4";</li> </ul> <p>Constrained Area Condition Test for a Dynamic Constrained Area:</p> <ul style="list-style-type: none"> <li>• Section 3.2.2.2(b) – inserted "or any <i>resource</i> meets the conditions outlined in 3.3.3.3 or 3.3.3.4";</li> </ul> <p>Constrained Area Condition Test for a Broad Constrained Area</p> <ul style="list-style-type: none"> <li>• Section 3.2.2.3(b) – inserted "or any <i>resource</i> meets the conditions outlined in 3.3.4.2 or 3.3.4.3";</li> </ul> <p>Constrained Area Condition Test for Global Market Power Mitigation for Energy:</p> <ul style="list-style-type: none"> <li>• Section 3.2.2.4(c) – replaced "when the following circumstances is true more than two hours prior to the 'pdi' pre-dispatch run" and subsection (i), with "when any resource</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>meets the conditions outlined in 3.3.5.2 or 3.3.5.3”;</p> <p>Constrained Area Condition Test for Local Market Power Mitigation for Operating Reserve:</p> <ul style="list-style-type: none"> <li>Section 3.2.3.1 – inserted “or any <i>resource</i> meets the conditions outlined in 3.3.7(b).”;</li> </ul> <p>Constrained Area Condition Test for Global Market Power Mitigation for Operating Reserve:</p> <ul style="list-style-type: none"> <li>Section 3.2.3.2 – inserted “or any <i>resource</i> meets the conditions outlined in 3.3.8.2, 3.3.8.3, or 3.3.8.4”.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	3.3	Applicable Resources	Modified  Jan 2024 Update	<p>Modified the following:</p> <p>Constrained Area Condition Test for a Narrow Constrained Area:</p> <ul style="list-style-type: none"> <li>Section 3.3.2.3 – inserted “is part of a <i>narrow constrained area</i>, that”; replaced “and the congestion component of the applicable <i>locational marginal price</i> is greater than \$0/MWh on any <i>narrow constrained area</i> binding constraint” with “where any binding constraint from the same <i>narrow constrained area</i> causes an increase in the congestion component of the <i>resource’s real-time market location marginal price</i>”;</li> <li>Section 3.3.2.4 - inserted “is part of a <i>narrow constrained area</i> and”; replaced “greater than 0.02” with “that is less than -0.02”; replaced “and the following condition is true” with “and such constraint would have been binding or would have been violated but for the <i>pre-dispatch operational commitment</i> received by the <i>resource</i> except for when the difference between the flow and constraint value is less than or equal to 10MW.”; deleted formula and “where” clause.</li> </ul> <p>Constrained Area Condition Test for a Dynamic Constrained Area:</p> <ul style="list-style-type: none"> <li>Section 3.3.3.3 – inserted “is part of a <i>dynamic constrained area</i>, that”; replaced</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>"and the congestion component of the applicable <i>locational marginal price</i> is greater than \$0/MWh on any <i>dynamic constrained area</i> binding constraint" with "and where any binding constraint from the same <i>dynamic constrained area</i> causes an increase in the congestion component of the <i>resource's real-time market locational marginal price</i>";</p> <ul style="list-style-type: none"> <li>Section 3.3.3.4 – inserted "is part of a <i>dynamic constrained area</i> and"; replaced "greater than 0.02" with "that is less than - 0.02"; inserted "except for when the difference between the flow and constraint value is less than or equal to 10MW.";</li> </ul> <p>Constrained Area Condition Test for a Broad Constrained Area:</p> <ul style="list-style-type: none"> <li>Section 3.3.4.2 – replaced "and congestion component of the applicable <i>locational marginal price</i> is greater than \$0/MWh on any binding constraint" with "and where any binding constraint "; inserted "causes an increase in the congestion component of the <i>resource's real-time market locational marginal price</i>";</li> <li>Section 3.3.4.3 –replaced "greater than 0.02" with "that is less than -0.02"; inserted "except for when the difference between the flow and constraint value is less than or equal to 10MW.";</li> </ul> <p>Constrained Area Condition Test for Local Market Power Mitigation for Operating Reserve:</p> <ul style="list-style-type: none"> <li>Section 3.3.7(b) – replaced "that have a <i>real-time market schedule</i> for <i>operating reserve</i> whom are located in a region with a binding maximum constraint" with "that meet the condition outlined in MR Ch.7 App7.5 s.10.6.2";</li> </ul> <p>Constrained Area Condition Test for Global Market Power Mitigation for Operating Reserve:</p> <ul style="list-style-type: none"> <li>Section 3.3.8.3 – replaced "that have a <i>real-time market schedule</i> for <i>operating reserve</i> whom are located in a region with a binding maximum constraint" with "that meet the</li> </ul>

Chapter	Section	Topic	Type of Change	Description
				<p>condition outlined in MR Ch.7 App7.5 s.10.7.3".</p> <p>This change was made in response to internal feedback.</p>
Chapter 9, Appendix 9.4	3.4	Conduct Test	Modified  Jan 2024 Update	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>• Section 3.4.1 – for the purposes of the conduct tests set out in section 3.4, inserted two new subsections (a) and (b) specifying two conditions;</li> <li>• All sections - replaced "<i>pre-dispatch commitment period</i>" with "<i>real-time commitment period</i> and/or <i>real-time reliability commitment period</i>";</li> <li>• Section 3.4.3 – replaced cross reference to "section 3.3.2" with "ss.3.3.2.2 to 3.3.2.4";</li> <li>• Section 3.4.5 - replaced cross reference to "section 3.3.3" with "ss.3.3.3.2 to 3.3.3.4";</li> <li>• Section 3.4.6.1(a)(ii) – in the equation, replaced "+25" with "+100";</li> <li>• Section 3.4.7 - replaced cross reference to "section 3.3.4" with "sections 3.3.4.2 to 3.3.4.3";</li> <li>• Section 3.4.7.1(a)(ii) - in the equation, replaced "+25" with "+100";</li> <li>• Section 3.4.9 – replaced cross reference to "section 3.3.5" with "ss.3.3.5.2 or 3.3.5.3";</li> <li>• Section 3.4.14 – replaced cross reference to "with the applicable <i>market manual</i>" to "with section 1.1.1.3".</li> </ul> <p>This change was made in response to internal feedback.</p>

### Chapter 9 Legacy Market Rules - July 2024 Technical Panel

Chapter	Section	Topic	Type of Change	Description
9 Legacy Market Rules	6.3.14, 6.3.16, 6.3.18	Notice of Disagreement Timelines	Modified  July 2024 Update	<p>Clarified the language to specify that the May 1, 2025 trade day will be the first trade day that the amended timelines associated with filing a notice of disagreement will apply.</p> <p>This change was made in response to Technical Panel member feedback.</p>

## Chapter 10

Chapter	Section	Topic	Type of Change	Description
Chapter 10	Throughout	All	Modified  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>As a matter of clean-up, deleted certain instances of "[Intentionally left blank – section deleted]", renumbered sections as required;</li> <li>Editorial - corrected spacing errors;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 10	A	Chapter Scope and Operation	New  Final Alignment Change - Jun 2024	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
Chapter 10	3.8, 4	Import Transactions, Export Transmission Service	Modified  Final Alignment Change - Jun 2024	<p>Sections 3.8.1, 4.1.1 – replaced cross reference to Chapter 7 with MR Ch.7 s.3A.1.4.</p> <p>This change was made in response to internal feedback.</p>
Chapter 10	4.3	Arranging for Export Transmission Service	Modified  Final Alignment Change - Jun 2024	<p>Section 4.3.1 – replace "<i>boundary entity</i>" with "<i>boundary entity resource</i>".</p> <p>This change was made in response to internal feedback.</p>
Chapter 10	6C	Correction of Errors List	Modified  Final Alignment Change - Jun 2024	<p>Section 6C.1.2 – replaced "reasonable endeavours" with "reasonable efforts".</p> <p>This change was made in response to internal feedback.</p>
Chapter 10	8.8	Transmitter Data Access	Modified  Final Alignment	<p>Section 8.8.2 – replaced "reasonable endeavours" with "reasonable efforts".</p> <p>This change was made in response to internal feedback.</p>



Chapter	Section	Topic	Type of Change	Description
			Change - Jun 2024	

## Chapter 11

Defined Terms	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Editorial - corrected spacing errors, periods and semicolons;</li> <li>Corrected minor, grammatical errors;</li> <li>Italicized defined terms.</li> </ul> <p>Other changes from the provisionally approved definitions are described below.</p>
<i>adequacy</i>	Modified	The definition has been amended to remove the redundancy that was inherent with reference to the defined term <i>outage</i> .
<i>alternative inertia reference level</i>	Modified	Redundant language has been removed.
<i>alternative reference quantity value</i>	Modified	Redundant language has been removed.
<i>authority centre</i>		This definition has been re-labelled to use the Canadian spelling of centre.
<i>capacity auction</i>	Modified	The reference to demand response auction has been removed as this is no longer an auction distinct from the <i>capacity auction</i> .
<i>capacity auction commitment period</i>	Modified	To avoid confusion with other terms introduced through MRP relating to commitment periods, the existing term 'commitment period' has been renamed <i>capacity auction commitment period</i> , and references have been updated throughout the <i>market rules</i> .
<i>class r reserve</i>	Modified	Spinning and synchronized are analogous terms, as such spinning is replaced with synchronized to be consistent with other areas in the <i>market rules</i> and manuals.
<i>confidential information</i>	Modified	Underline has been removed within the definition.

Defined Terms	Type of Change	Description
Daily cascading hydroelectric dependency	Deleted	The definition is deleted as it is no longer being used.
<i>Day-ahead market expiration</i>	Modified	<i>Day-ahead market</i> results are <i>published</i> , so the 'or' is replaced with 'and'.
<i>Day-ahead operational commitment</i>	Modified	Cross reference updated to reflect modified numbering.
Demand response auction	Deleted	The definition is deleted as it is no longer being used.
<i>Dispatch centre</i>	Modified	As <i>resources</i> are <i>dispatched</i> rather than <i>facilities</i> , the reference to <i>facilities</i> is replaced with <i>resources</i> .
Dispatch period	Deleted	Definition is deleted as it is no longer being used.
<i>Duct firing 10-minute operating reserve capability</i>	Modified	Restructuring of definition to make use of the defined term <i>ten-minute operating reserve</i>
<i>Dynamic constrained area</i>	Modified	Acronym is spelled out for clarity.
<i>Economic withholding</i>	Modified	This definition was changed to remove "exercising market power by" in response to internal stakeholder feedback.
<i>Elapsed time to dispatch</i>	Modified	Included <i>electricity storage resources</i> , and 'including' reaching its <i>minimum loading point</i> to broaden the applicability of the term to other generation types and storage resources.
<i>Embedded electricity storage facility</i>	Modified	Slight wording change to be consistent with related definitions.
<i>Embedded electricity storage participant</i>	Modified	Reworded to be clear that it is the <i>facility</i> that is within the <i>IESO control area</i> and not necessarily the <i>market participant</i>
<i>Embedded generator</i>	Modified	Reworded to be clear that it is the <i>facility</i> that is within the <i>IESO control area</i> and not necessarily the <i>market participant</i>
<i>Embedded load facility</i>	Modified	To avoid a circular reference, embedded within a <i>distribution system</i> is replaced with connected to a <i>distribution system</i> .
<i>Embedded market participant</i>	Modified	Reworded to improve clarity in what is required for the <i>facility</i> .
<i>Embedded registered wholesale meter</i>	Modified	Reworded to avoid the use of acronyms.

Defined Terms	Type of Change	Description
<i>Energy per ramp hour reference level</i>	New	Definition has been added to support the use of this term in MR Ch.7 s.22.
<i>Energy trader</i>	Modified	Reference to <i>physical services</i> is removed given that it is redundant when the reference to the actual services later in the definition. Authorization for an <i>energy trader</i> is for all three services; importing, exporting and wheeling energy, so the 'or' is replaced with 'and'.
<i>Enhanced combined cycle facility</i>	Modified	The term associated is added to better connect the <i>facility</i> with the <i>combined cycle plant</i> .
<i>Exemption applicant</i>	Modified	The definition is amended to make reference to the defined term <i>exemption</i> .
<i>Extended pre-dispatch operational commitment</i>	Modified	Grammatical change to replace previously with previous.
<i>Flexible nuclear generation</i>	Modified	Shutdown is split into two words.
Forecast quantity	Deletion	This term was not used and is duplicative of the term <i>variable generation forecast quantity</i> . As such, it is deleted.
<i>Generation unit</i>	Modified	The term generate is not a defined term, so the italics are removed.
<i>Generator failure</i>	Modified	Reference to association is removed as it is not necessary.
<i>Generator-backed import contributor</i>	Modified	As these references are to <i>generation</i> and <i>electricity storage facilities</i> outside of the <i>IESO controlled-grid</i> , they should not be tied into the defined terms <i>generation facility</i> and <i>electricity storage facility</i> .
Hourly markets	Modified	Definition is deleted as it is no longer being used.
<i>Hourly must run</i>	Modified	Slight modification to improve reference to the measurement of MWhs.
<i>IESO-controlled grid model</i>	Modified	Modified to refer explicitly to each of the calculation engines and thus the respective defined term.
<i>Instance of intertie economic withholding</i>	Modified	The phrase "dispatch day on which" has been replaced with "dispatch day for which".
<i>Instance of physical withholding</i>	Modified	The phrase "dispatch day on which" has been replaced with "dispatch day for which".
<i>Intertie economic withholding</i>	Modified	This definition was changed to remove "exercising market power by" in response to internal stakeholder feedback.

Defined Terms	Type of Change	Description
<i>Legacy market rules</i>	New	Definition created to support the transition to the renewed market.
<i>Market manual</i>	Modified	Prescribes replaced describes as a more appropriate term.
Market schedule	Deletion	Defined term is removed as it is no longer being used.
<i>Market transition</i>	New	Definition created to support the transition to the renewed market.
<i>Market transition completion</i>	New	Definition created to support the transition to the renewed market.
<i>Market transition error</i>	New	Definition created to support the transition to the renewed market.
Maximum regulation price	Deletion	Defined term is removed as it is no longer being used.
<i>Metering installation</i>	Modified	Acronym is spelled out to facilitate readability.
<i>Neighbouring electricity system</i>	Modified	The defined term <i>load facilities</i> refers to <i>facilities</i> within the <i>IESO-controlled grid</i> . As this reference is to load facilities outside of the <i>IESO-controlled grid</i> , the reference should not connect with the defined term.
<i>Non-committable resource</i>	Modified	The order of <i>resources</i> has been adjusted to improve clarity of the definition.
<i>Non-quick-start resource</i>	Modified	Modified to better align with the quick start definition.
<i>OEFC</i>	Modified	Change to conform to a standard means of referring to legislation.
<i>Operating reserve market</i>	Modified	<i>Real-time market</i> is replaced with <i>physical market</i> so as to include the <i>day-ahead market</i> .
<i>Period of steady operation</i>	Modified	Changed to make reference to the defined term <i>dispatch interval</i> and also to make correct reference to the defined terms <i>non-quick start resource</i> and <i>generation resource</i> .
<i>Physical withholding</i>	Modified	This definition was changed to remove "exercising market power by" in response to internal stakeholder feedback.
<i>Pre-dispatch calculation engine</i>	Modified	Greater specificity can be achieved by referring to the specific schedules that the <i>pre-dispatch calculation engine</i> produces.
<i>Primary registered wholesale meter</i>	Modified	The acronym <i>RWM</i> is spelled out to support readability.
<i>Pseudo-unit</i>	Modified	Some superfluous language is removed and reference to <i>resource</i> rather than a

Defined Terms	Type of Change	Description
		unit is used as this better reflects how <i>generation</i> is modelled in <i>IESO's</i> tools.
<i>Quick start resource</i>	Modified	Modified to better align with the non quick start definition.
<i>Ramp hours to minimum loading point</i>	Modified	A <i>market rule</i> reference is included for more information.
<i>Real-time calculation engine</i>	Modified	Greater specificity can be achieved by referring to the specific schedules that the <i>real-time calculation engine</i> produces. Also, reference is made to the defined term <i>dispatch interval</i> .
Real-time generation offer guarantee	Deletion	Defined term is removed as it is no longer being used.
<i>Real-time schedule</i>	Modified	An addition is made to provide greater accuracy to the definition as it pertains to <i>settlements</i> .
<i>Renewed market rules</i>	New	Definition created to support the transition to the renewed market.
<i>RSS commencement date</i>	Modified	The actual date that MR-00475-R00 came into effect is now included in the definition.
<i>Security coordinator</i>	Modified	For consistency, specific reference is made to <i>transmission system</i> rather than a more generic system.
<i>Segregated mode of operation</i>	Modified	Reference to the <i>facility</i> is included to better describe the relationship.
<i>Selling market participant</i>	Modified	Selling is not a defined term, so italics are removed.
<i>Settlement hour</i>	Modified	Modified to make correct reference to the defined term <i>market prices</i> .
<i>Short-run marginal benefit</i>	Modified	This definition was changed to change "offtakes energy" to "exports energy" in response to internal stakeholder feedback.
<i>Simulated as-offered energy locational marginal price</i>	Modified	Slight restructuring to support the readability of the definition.
<i>Simulated as-offered operating reserve locational marginal price</i>	Modified	Slight restructuring to support the readability of the definition.
<i>Simulated reference quantity energy locational marginal price</i>	Modified	Slight restructuring to support the readability of the definition.
<i>Simulated reference quantity operating reserve locational marginal price</i>	Modified	Slight restructuring to support the readability of the definition.
<i>stand-alone pre-dispatch operational commitment</i>	Modified	Correction to the cross-reference.

Defined Terms	Type of Change	Description
<i>Start indication value</i>	Modified	Slight re-wording to ease the readability of the definition.
<i>Ten-minute operating reserve</i>	Modified	Inclusion of the numerical ten is made to support the cross-references made in many of the <i>market manuals</i> .
<i>TFE applicant</i>	Modified	The acronym is spelled out to support readability.
<i>Thirty-minute operating reserve</i>	Modified	Inclusion of the numerical thirty is made to support the cross-references made in many of the <i>market manuals</i> .
<i>Transmission tariff</i>	Modified	Acronym is spelled out to support readability.
<i>Variable generation forecast quantity</i>	Modified	Grammatical correction and rewording to support readability.
<i>Wholesale consumer</i>	Modified	Some of the edits made in Batch 1 are reversed as the IT tool has evolved such that the edits are no longer necessary.
<i>Wholesale seller</i>	Modified	Some of the edits made in Batch 1 are reversed as the IT tool has evolved such that the edits are no longer necessary.

## Chapter 11 - July 2024 Technical Panel

Defined Terms	Type of Change	Description
<i>Ontario zonal price</i>	Modified  July 2024 Update	Replaced a reference within the definition to "load forecast deviation charge" to "load forecast deviation adjustment".  This change was made in response to internal feedback.

## Summary of Changes to Market Manuals

### Market Manual 1: Connecting to Ontario's Power System

#### Market Manual Part 1.3: Identity Management Operations Guide

Market Manual Section	Type of Change	Description
Title Page	Modified	<p>Updated the Market Manual 1 series title to align with other MM 1 series - "Connecting to Ontario's Power System".</p> <p>This change was made in response to internal feedback.</p>
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"><li>• Revised <i>market rule</i> cross-references to new convention;</li><li>• Corrected references to defined terms;</li><li>• Corrected typographical errors.</li></ul> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
1	Modified, Editorial	<p>Edits to section 1 – Introduction: Changes made to conform to the new MRP style and convention for <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
2	Modified	<p>Modified the title to "Information Security Overview" to distinguish from the Overview in section 1.</p> <p>This change was made in response to internal feedback.</p>
Appendix B	Modified	<p>Edits made to be consistent with the table in Appendix A of MM1.5.</p> <p>This change was made in response to internal feedback.</p>

## Market Manual Part 1.5: Market Registration Procedures

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Corrected, and in some cases added, cross references;</li> <li>Corrected references to defined terms;</li> <li>Corrected typographical errors.</li> </ul> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
1	Modified, Editorial	<p>Edits to section 1 – Introduction: Changes made to conform to the new MRP style and convention for <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
2.1	Modified	<p>Replaced "<i>IESO</i> may require" with "<i>IESO</i> may request"; added a <i>market rules</i> cross reference for greater clarity on the obligation.</p> <p>This change was made in response to internal feedback.</p>
Table 2.1	Modified	<p>Updated the Mandatory Organization Contacts and removed the links to out-dated documents.</p> <p>This change was made in response to internal feedback.</p>
2.1.1	Addition	<p>For clarity, included the need for an executed participation agreement.</p> <p>This change was made in response to internal feedback.</p>
2.2.2	Modified	<p>Replaced "Classes of Market Participants" with "Types of Market Participants", as the</p>



Market Manual Section	Type of Change	Description
		<p>section does not follow the <i>market participant</i> classes outlined in chapter 2.</p> <p>This change was made in response to internal feedback.</p>
Table 2-3	Modified	<p>Refined table to align with the structure and terminology used by the registration tools.</p> <p>This change was made in response to internal feedback.</p>
2.2.3	Addition	<p>Included <i>electricity storage participants</i> to add specificity to whom the table applies.</p> <p>This change was made in response to internal feedback.</p>
Table 2-6	Modified	<p>For clarity, revised the language on what size facilities must participate in the centralized forecasting program.</p> <p>This change was made in response to internal feedback.</p>
Table 3-2	Modified	<p>Revised the language to better reflect the process in the tools.</p> <p>Reference to special protection systems is removed given the reference to the defined term <i>remedial action schemes</i> includes special protection systems.</p> <p>This change was made in response to internal feedback.</p>
3.2	Modified	<p>Revised to the contact person's correct title, throughout this section.</p>
3.2.6.1	Addition	<p>Included a <i>commissioning electricity storage facility</i> as a conditional RAN is also issued to those <i>resource</i> types.</p> <p>This change was made in response to internal feedback.</p>
3.2.8	Modified	<p>The requirements to provide <i>operating reserve</i> that are applicable to all <i>resource</i> types have been included in this new section that details the eligibility requirements to providing <i>operating reserve</i>.</p>

Market Manual Section	Type of Change	Description
		<p>These requirements were previously included under section 3.4 Registration of Resources for Wholesale Consumers, in the settlements batch version of this market manual dated April 2023.</p> <p>This change was made in response to internal feedback.</p>
Tables 3-3 and 3-4	Modification	<p>To avoid confusion with <i>market participant</i> classes, the term "classification" has been revised to "participation type".</p> <p>Added <i>self-scheduling storage resources</i> in this table to be clear what pertains to them.</p> <p>The registration data outlined in table 3-4 pertains to the storage <i>resource</i> registered to inject, which is outlined in the revision to the table heading.</p> <p>This change was made in response to internal feedback.</p>
3.3.1	Modification	<p>Additional eligibility and process requirements for <i>generators</i> and <i>electricity storage participants</i> providing <i>operating reserve</i> are included in this section. These are existing requirements in the baseline that are being moved from another section of this <i>market manual</i>.</p> <p>This change was made in response to internal feedback.</p>
3.3.1.3	Modification	<p>Changed the reference to generation participant types rather than generation participant classes, in order to avoid confusion with <i>market participant</i> classes.</p> <p>Explicit references to electricity storage is included for additional clarity.</p> <p>This change was made in response to internal feedback.</p>
3.3.1.4	Modification	<p>Moved and revised this section related to the elapsed time to dispatch data parameter as</p>

Market Manual Section	Type of Change	Description
		<p>it applies to all <i>dispatchable generators</i> and storage <i>resources</i>. Previously the parameter referred only to <i>dispatchable non-quick start generation resources</i>.</p> <p>This change was made in response to internal feedback.</p>
Tables 3-5, 3-6 and 3-7	Modified	<p>For clarity, included that these tables apply to the storage <i>resource</i> registered to inject.</p> <p>Removed <i>dispatchable load</i> from these tables as this section details only requirements for generation and storage that is injecting. Requirements for load are contained in section 3.4.</p> <p>This change was made in response to internal feedback.</p>
3.3.2.1	Modification Addition	<p>Correction is made to the upper limit requirements for <i>forbidden regions</i>.</p> <p>Additional detail is provided for the types of technical data permitted.</p> <p>This change was made in response to internal feedback.</p>
3.3.2.3	Addition	<p>Additional detail is provided for the types of operational data permitted.</p> <p>This change was made in response to internal feedback.</p>
3.3.2.4	Deletion	<p>The MSO batch refined the defined term <i>cascade group</i> to remove the requirement for the same owner across <i>forebays</i>. Edits are made here to reflect that refinement and to remove some of the redundancy between the definitions and this section.</p> <p>This change was made in response to internal feedback.</p>
3.3.2.5	Deletion Modification	<p>The introduction is removed given the redundancy with the defined term <i>time lag</i>.</p> <p>Additional detail is provided for the types of operational data permitted.</p>

Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback.
3.3.3	Deletion Modification	<p>Introductory sentences have been removed given their redundancy with the respective defined terms.</p> <p>Some modifications are made to better integrate the defined term <i>resource</i>.</p> <p>The description of how a <i>market participant</i> can determine if they have registered information sufficient for eligibility for the <i>generator offer</i> guarantee is moved to this section (3.3.3) relating to <i>non-quick start generation resources</i> from the combined cycle plant section (3.3.4).</p> <p>This change was made in response to internal feedback.</p>
3.3.4.1	Addition	More information is provided about the requirement that all resources in a <i>pseudo-unit</i> are connected at the same connection point. This change was made to more explicitly integrate the <i>reliability</i> requirements included in the detailed design.
3.3.4.3	Deletion Addition	<p>The defined term is referred to instead of re-defining the term in the introductory sentence.</p> <p>A requirement is included to submit documentation to demonstrate relationships between steam and combustion turbines.</p> <p>This change was made in response to internal feedback.</p>
3.3.4.5	Deletion	<p>Introductory sentences have been removed given their redundancy with the respective defined terms.</p> <p>This change was made in response to internal feedback.</p>
3.4	Addition	Changes throughout to refer to load participation types rather than classification,

Market Manual Section	Type of Change	Description
	Modification	<p>to avoid confusion with <i>market participant</i> classes.</p> <p>For greater clarity, included explicit references to storage <i>resources</i> where applicable.</p> <p>Replaced maximum registered <i>dispatchable</i> or PRL load capacity with the term Maximum Load- Active Power, to be consistent with the <i>market rules</i>.</p> <p>A section is added relating to batch-type <i>dispatchable loads</i> outlining how these unique load types may participate as <i>dispatchable loads</i>.</p> <p>The section outlining actions when a <i>market participant</i> fails <i>operating reserve</i> tests has been relocated to the <i>operating reserve</i> section 3.2.8.</p> <p>Some rewording of the section for additional clarity.</p> <p><i>Reference levels</i> for non-financial <i>dispatch data</i> has been moved to the generation section.</p> <p>This change was made in response to internal feedback.</p>
3.5	Additions Modifications	<p>Additional reference is made to the requirement for storage participants to also adhere to the requirements for generation and loads given that storage <i>resources</i> are registered as these <i>resource</i> types under the current interim storage design.</p> <p>Table 3-14 is reworded to be more clear.</p> <p>Greater clarity is provided to the requirements to storage and generation <i>resources</i> connected at the same <i>connection point</i>.</p>

Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback.
3.6.1	Modification	<p>The cross reference applicable to <i>resource</i> compliance aggregation was corrected to include the interpretation bulletin rather than the <i>market manual</i>.</p> <p>This change was made in response to internal feedback.</p>
4.2	Addition	<p>Two additional examples for where maintenance is required to facility data in Online IESO are included. The example related to changes to <i>market control entities</i> had been previously released in the market power mitigation version of MM1.5.</p> <p>To be clear that storage and HDR resources cannot change their bid type under MR Ch.7 s.2.2.19, this is repeated in this section.</p> <p>The ability for the <i>IESO</i> to provide appropriate naming conventions when a load changes its type is stated.</p> <p>This change was made in response to internal feedback.</p>
4.2.6	Addition	<p>This section was added from the current baseline into this MRP version. It replaces the section 4.2.6 that is in the current baseline which is being removed with the removal of transitional scheduling generators that occurred in the Interim Alignment batch of MRP.</p> <p>This change was made in response to internal feedback.</p>
Appendix A	Modification	<p>Changes are to better align with Appendix B of MM1.3.</p> <p>This change was made in response to internal feedback.</p>
Appendix B	Modification	Changes made to Table B-1 to reflect what is in the current baseline for electricity storage resources.

Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback.

## Market Manual 4: Market Operations

### Market Manual Part 4.1: Submission of Data in the Physical Markets

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Corrected references to defined terms; and</li> <li>Corrected typographical errors.</li> </ul> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
Table 2-1	Modified	<p>Replaced linked <i>resources</i> with the defined term <i>linked forebay</i>.</p> <p>This change was made in response to internal feedback.</p>
2.1.7	Modified	<p>Correcting the reference to the defined term to delineate between the <i>IESO's</i> forecast and the <i>market participant's</i> forecast (as per the defined term).</p> <p>This change was made in response to internal feedback.</p>
6.1	Modified	<p>The conversion of the <i>dispatch data</i> occurs at 6:00, it is not done beforehand. Language is updated to clarify this timing.</p>

Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback.
Appendix B	Modified	Changes made to clarify requirements and respond to stakeholder comments.
Appendix B, Table B-3	Modified	<p>Changes are made to the Reason Codes to align with IESO's tools.</p> <p>Change made to clarify what the 'WITHDRAW' reason code is used for.</p> <p>This change was made in response to internal feedback.</p>
Appendix F, Table F-1	Modified	<p>Updated table to include electricity storage.</p> <p>This change was made in response to internal feedback.</p>
Appendix F, section F.8	Modified	<p>Reason code is updated to align with the tool.</p> <p>This change was made in response to internal feedback.</p>

#### Market Manual Part 4.2: Operation of the Day-Ahead Market

Market Manual Section	Type of Change	Description
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
Table 7-1	Modified	<p>Updated the <i>market rule</i> cross references to reflect the new numbering in section 4.7.</p> <p>This change was made in response to internal feedback.</p>
Table 7-2	Modified	Updated description for the Day-Ahead Commitments Report to remove reference to <i>pseudo-units</i> as the report will include commitment information for the physical units and not for the <i>pseudo-units</i> .



Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback.
8.1	Modify	<p>Clarified that a <i>market participant</i> must call the <i>IESO</i> when revising <i>real-time market offers</i>, not only when removing <i>real-time market offers</i>.</p> <p>This change was made in response to internal feedback.</p>

### Market Manual Part 4.3: Real-Time Scheduling of the Physical Markets

Market Manual Section	Type of Change	Description
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
5.9	Modified	<p>Clarified that a <i>market participant</i> must call the <i>IESO</i> when revising <i>real-time market offers</i>, not only when removing <i>real-time market offers</i>.</p> <p>This change was made in response to internal feedback.</p>
Table 6-4	Modified	<p>The report name has been revised to exactly match the name of the report that is produced by the tool.</p> <p>This change was made in response to internal feedback.</p>

### Market Manual Part 4.4: Transmission Rights Auction

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Updated the <i>market rule</i> cross references to reflect the new numbering introduced in the Settlements batch;</li> </ul>

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Minor editorial changes;</li> <li>Corrected references to defined terms; and</li> <li>Corrected typographical errors.</li> </ul> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
1	Modified, Editorial	<p>Edits to section 1 – Introduction: Changes made to conform to the new MRP style and convention for <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
Appendix B	Modified	<p>Clarifying the name of the report.</p> <p>This change was made in response to internal feedback.</p>

## Market Manual Part 4.5: Market Suspension and Resumption

Market Manual Section	Type of Change	Description
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
3.2.1	Modified	<p>Correcting a typographical error.</p> <p>This change was made in response to internal feedback.</p>

## Market Manual 5: Settlements

### Market Manual Part 5.3: Physical Bilateral Contract Data

Market Manual Section	Type of Change	Description
Market Transition	New	Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i> .  This change was made in response to internal feedback.
1 Introduction	Editorial	Added note that following a <i>market transition</i> , the contents of this <i>market manual</i> shall not apply unless and until the <i>IESO publishes</i> a notice indicating otherwise in accordance with MR Ch.8 s.2.0.1.  This change was made in response to internal feedback.

### Market Manual Part 5.4: Prudential Support

Market Manual Section	Type of Change	Description
Throughout	Editorial	Editorial changes to add or correct <i>market rule</i> cross references, headings, correction of grammatical errors, correction of missing italicization issues with defined terms, and minor wording changes to add clarity.  This change was made in response to internal feedback.
Market Transition	New	Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i> .
1. Introduction	Modified, Editorial	Edits to section 1 – Introduction: Changes made to conform to the new MRP style and convention for <i>market manuals</i> .  This change was made in response to internal feedback.
2. Setting Prudential Support Obligations for Physical Transactions	Modified	Modified the following:  Figure 2-1:

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>Revised text box describing the <i>IESO</i> determined <i>minimum trading limit</i> and <i>default protection amount</i> to match the <i>market rules</i> language.</li> </ul> <p>Section 2.2.1.6 – Determining the Trading Limit and Default Protection Amount for Physical Transactions:</p> <ul style="list-style-type: none"> <li>Specified the price basis to calculate the <i>minimum trading limit</i> in accordance with MR Ch.2 s.5.3.10A – the <i>IESO</i> will use up to the 97<sup>th</sup> percentile value of ranked values determined pursuant to MR Ch.2 ss.5.3.10A.1 and 5.3.10A.2.</li> </ul> <p>This change was made in response to internal feedback.</p>
3. Daily Monitoring of Prudential Support for Physical Transactions	Modified, Editorial	<p>Modified the following:</p> <p>Section 3.1.2 Settled-but-Not-Invoiced for Physical Transactions:</p> <ul style="list-style-type: none"> <li>editorial change to replace “<i>preliminary settlement statements</i> or <i>final settlement statements</i>” with “<i>settlement statements</i>”;</li> <li>replaced cross reference regarding details for physical settlement statements from “Market Manual 5.5” to “Market Manual 5.7” – this content has been relocated to MM5.7 as part of MRP;</li> </ul> <p>Section 3.1.3 – Other Settlement Amounts Estimated Daily:</p> <ul style="list-style-type: none"> <li>inserted cross reference to MM5.6 regarding details on <i>applicable law settlement amounts</i>.</li> </ul> <p>This change was made in response to internal feedback.</p>
4. Setting Prudential Support Obligations for Virtual Transactions	Modified	<p>Modified the following:</p> <p>Section 4.1.2 Application for Reductions:</p> <ul style="list-style-type: none"> <li>Deleted reference to <i>electricity storage resources</i>, since the allowable reduction for <i>virtual transactions</i> is applicable only to <i>generators</i>.</li> </ul>

Market Manual Section	Type of Change	Description
		<p>Section 4.2.1.1 Price Delta for Prudential Support Obligation for Virtual Transactions:</p> <ul style="list-style-type: none"> <li>Updated section detailing the price delta used for calculating the <i>minimum trading limit</i> and <i>default protection amount</i> for <i>virtual transactions</i>, consistent with the edits to MR Ch.2 s.5C.1.9.1.</li> </ul> <p>Section 4.2.1.2 Interim Price Delta for Prudential Support Obligation for Virtual Transactions:</p> <ul style="list-style-type: none"> <li>Minor, editorial updates to this section detailing the interim price delta used for calculating the <i>minimum trading limit</i> and <i>default protection amount</i> for <i>virtual transactions</i>, consistent with the edits to MR Ch.2 s.5C.1.9.2.</li> </ul> <p>Section 4.2.2 Determining the Minimum Trading Limit for Virtual Transactions and section 4.2.3 Determining the Default Protection Amount for Virtual Transactions:</p> <ul style="list-style-type: none"> <li>Replaced bullet on estimated virtual uplift rates by adding “as applicable” and deleted “which represents the <i>IESO’s</i> estimation of <i>day-ahead market</i> reliability unit commitment uplift amounts”;</li> <li>deleted “This rate may be updated on an annual basis if it increases or decreases by 15% or more” – this statement in the previous draft was incorrect.</li> </ul> <p>Section 4.2.4 Determining the Prudential Support Obligation for Virtual Transactions:</p> <ul style="list-style-type: none"> <li>For variable “AIS”, deleted reference to <i>electricity storage resources</i>, since the allowable reduction for <i>virtual transactions</i> is applicable only to <i>generators</i>;</li> <li>Replaced “using a <i>generation unit</i>” to “a <i>generator</i>”.</li> </ul> <p>This change was made in response to internal feedback.</p>

Market Manual Section	Type of Change	Description
5. Daily Monitoring of Prudential Support for Virtual Transactions	Modified	<p>Section 5.1.2 Daily Exposure Screening:</p> <ul style="list-style-type: none"> <li>for variable Uvt, inserted "as applicable", and deleted "which represents the <i>IESO's</i> estimation of <i>day-ahead market</i> reliability unit commitment uplift amounts".</li> </ul> <p>Section 5.2.2 Settled-but-Not-Invoiced for Virtual Transactions:</p> <ul style="list-style-type: none"> <li>editorial change to replace "<i>preliminary settlement statements</i> or <i>final settlement statements</i>" with "<i>settlement statements</i>";</li> <li>replaced "<i>day-ahead market</i> reliability unit commitment uplift" with "estimated virtual uplift amounts, as applicable".</li> </ul> <p>Section 5.3 Daily Price Delta:</p> <ul style="list-style-type: none"> <li>for the description of the interim price delta, replaced "day-ahead virtual zonal <i>energy prices</i>" with the defined terms "<i>day-ahead market virtual zonal prices</i>"; replaced "real time virtual zonal <i>energy prices</i>" with the defined terms "<i>real-time market virtual zonal prices</i>";</li> <li>For details on the interim price delta, deleted reference to "25 months" of data and replaced with "for the time horizons identified in MR Ch.2 s.5C.3.2.1;</li> <li>For the enduring price delta, replaced "the 97<sup>th</sup> percentile" to "up to the 97<sup>th</sup> percentile".</li> </ul> <p>This change was made in response to internal feedback.</p>
9. Prudential Support Reports	Modified	<p>Table 9-1: Virtual Transaction Price Delta Reports Description:</p> <ul style="list-style-type: none"> <li>Replaced instances of "virtual zonal trading entities" with the defined term "<i>virtual transaction zone</i>";</li> <li>Replaced "to the 97<sup>th</sup> percentile" with "up to the 97<sup>th</sup> percentile".</li> </ul> <p>This change was made in response to internal feedback.</p>

Market Manual Section	Type of Change	Description
Appendix B: Credit Ratings	Deleted	<p>Deleted Appendix B – Credit Ratings – this information is redundant with the content in the <i>market rules</i> (MR Ch.2 ss.5.8.1 and 5.8.1A) and has been deleted.</p> <p>Cross references to deleted Appendix B have been deleted in this <i>market manual</i>.</p> <p>This change was made in response to internal feedback.</p>
Appendix C: Good Payment History	Deleted	<p>Deleted Appendix C – Good Payment History – this information is redundant with the content in the <i>market rules</i> (MR Ch.2 ss.5.8.4 and 5.8.5) and has been deleted.</p> <p>Cross references to deleted Appendix C have been deleted in this <i>market manual</i>.</p> <p>This change was made in response to internal feedback.</p>

#### Market Manual Part 5.5: IESO-Administered Markets Settlement Amounts

Market Manual Section	Type of Change	Description
Throughout	Modified Editorial	<p>Changes made to conform to the new MRP style and convention for <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
1.2 Scope	Modified	<p>Added reference to MR Ch.7 s.7.6: Dispatch Scheduling Errors.</p> <p>This update was made in response to internal feedback.</p>
1.3 Overview	Modified	<p>Table 1-1 updated language for reference to rounds of any <i>TR auction</i> to align with <i>market rules</i>.</p> <p>This update was made in response to internal feedback.</p>

Market Manual Section	Type of Change	Description
2.1 Two-Settlement	Modified	<p>Under sub-heading 'Settlement statements' - removed reference to '<i>preliminary settlement statements</i> and <i>final</i>' as they are included in the definition of <i>settlement statements</i> per MR Ch.11.</p> <p>This update was made in response to external feedback.</p>
2.1.3 Hourly Operating Reserve Settlement Amount (HORSA)	Modified	<p>Under sub-heading 'HORSA charge types' – removed reference to <i>settlement amounts</i> to align with other sections of the <i>market manual</i>.</p> <p>This update was made in response to internal feedback.</p>
2.2 Non-Dispatchable Load Settlement (HPTSA_NDL)	Modified	<p>Updated name of load forecast deviation charge and acronym LFDC to load forecast deviation adjustment and acronym LFDA.</p> <p>This update was made in response to external feedback.</p> <p>Under sub-heading 'HPTSA_NDL and DAM failure/suspension' - added 'and the LFDA will be 0' to the <i>settlement of non-dispatchable loads</i> to align with <i>market rules</i>.</p> <p>This update was made in response to internal feedback.</p>
2.6 Day-Ahead Market Reliability Scheduling Uplift (DRSU)	Modified	<p>Added new <i>charge type</i> 1852 – Day-Ahead Market Reliability Scheduling Uplift – Virtual Transactions to Sell as the portion of the DRSU that is allocated to virtual transactions to sell is not subject to GST/HST.</p> <p>This update was made in response to external feedback.</p>
2.13.2 Period Subject to the Generator Failure Charge for Pseudo-Units	Modified	<p>Updated references from combustion turbine/steam turbine <i>generation unit</i> to combustion turbine/steam turbine <i>resource</i> as the <i>settlement process</i> is typically at the <i>resource</i> level.</p>



Market Manual Section	Type of Change	Description
		This update was made in response to internal feedback.
2.20 Internal Congestion and Loss Residuals (ICLR)	Editorial	Added 'within Ontario' for further clarity that the ICLR is for <i>load resources</i> within Ontario.  This update was made in response to internal feedback.
2.29.1.1 Aggregated Dispatchable Generation Resources	Modified	Included reference to <i>pseudo-units</i> in the steps to calculate the ORSCB as the same steps apply to both aggregated <i>dispatchable generation resources</i> not associated with a <i>pseudo-unit</i> and associated with a <i>pseudo-unit</i> .  This update was made in response to internal feedback.
2.29.2.1 Real-Time Make-Whole Payment Reversal Charge (RT_MWP_RC)	Modified	Removed <i>charge type</i> acronyms from Table 2-42 to align with other sections of the <i>market manual</i> .  This update was made in response to internal feedback.
4.3.1 Ex-Post Mitigation for Physical Withholding Settlement Charges (EXP_PWSC)	Modified	Added <i>resource</i> types to which the market power mitigation tests for <i>physical withholding</i> apply to.  This update was made in response to internal feedback.
4.3.2 Ex-Post Mitigation for Economic Withholding on Uncompetitive Interties Settlement Charges (EXP_EWSC)	Editorial	Updated <i>settlement amount</i> name and references to uncompetitive interties to align with defined term <i>intertie economic withholding</i> .  This update was made in response to internal feedback.
4.3.3 Ex-Post Mitigation Settlement Charge Uplift (EXP_MSCU)	Modified	Updated <i>settlement</i> resolution from monthly to daily.
4.5 Independent Review Process Settlement Amounts	New	New section.  This update was made in response to internal feedback.
5 Market Remediation	Editorial	Added reference to MR Ch.7 s.7.6.

Market Manual Section	Type of Change	Description
Appendix A Forms	Modified	Removed Fuel Cost Compensation from Table A-1 as this form has been automated and will be available via Online IESO.
Appendix C Price Bias Adjustment Factors Calculation Method for the Real-Time Import and Export Failure Charge	Modified	Update to data set used to calculate the price bias adjustment factors.

### Market Manual Part 5.6: Non-Market Settlement Programs

Market Manual Section	Type of Change	Description
Throughout	Modified Editorial	Changes made to conform to the new MRP style and convention for <i>market manuals</i> .  This change was made in response to internal feedback.
Market Transition	New	Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i> .  This change was made in response to internal feedback.
References	Modified	Removed references to MM 2.1, MM 5.2, MM 5.7 and MM 5.8 as they are not referenced in MM 5.6.  This change was made in response to internal feedback.

### Market Manual Part 5.7: Settlement Process

Market Manual Section	Type of Change	Description
Throughout	Modified Editorial	Changes made to conform to the new MRP style and convention for <i>market manuals</i> .
Market Transition	New	Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i> .  This change was made in response to internal feedback.

Market Manual Section	Type of Change	Description
1.3 Overview	Modified	Table 1-1 updated language for reference to rounds of any <i>TR auction</i> to align with <i>market rules</i> .  This update was made in response to internal feedback.
2 Issuing and Retrieving Settlement Statements and Companion Data Files	Modified	Added additional clarity to the information included on a <i>settlement statement</i> issued for the financial market.  This update was made in response to internal feedback.
3.1 Settlement Statement Files	Modified	Table 3-1, added all <i>settlement</i> types to the Settlement Detail Records row to align with defined terms.  These updates were made in response to internal feedback.
3.2 Companion Data Files	Modified	Table 3-2, added all <i>settlement</i> types to the Header Record row to align with defined terms.  These updates were made in response to internal feedback.
4 Data Files for Transmission Services Charges for the Physical Market	Modified	Deleted footnote 9 as reference to the document is made earlier in the <i>market manual</i> .  This update was made in response to internal feedback.

### Market Manual Part 5.8: Settlement Invoicing

Market Manual Section	Type of Change	Description
Throughout	Modified Editorial	Changes made to conform to the new MRP style and convention for <i>market manuals</i> .  Added headings throughout to guide the reader.  Minor editorial changes throughout.  This change was made in response to internal feedback.

Market Manual Section	Type of Change	Description
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
1.3 Overview	Modified	<p>Table 1-1 updated language for reference to rounds of any <i>TR auction</i> to align with <i>market rules</i>.</p> <p>This update was made in response to internal feedback.</p>

### Market Manual Part 5.10: Settlement Disagreements

Market Manual Section	Type of Change	Description
Throughout	Modified Editorial	<p>Changes made to conform to the new MRP style and convention for <i>market manuals</i>.</p> <p>Added headings throughout to guide the reader.</p> <p>Minor editorial changes throughout.</p> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
1.3 Overview	Modified	<p>Table 1-1 updated language for reference to rounds of any <i>TR auction</i> to align with <i>market rules</i>.</p> <p>This update was made in response to internal feedback.</p>

### IESO Charge Types and Equations

Market Manual Section	Type of Change	Description
Throughout	Modified	Added HST treatment to new MRP <i>charge types</i> .
Throughout	Alignment	Updated references from combustion/steam turbine <i>generation units</i> to combustion turbine/steam turbine <i>resources</i> , as the <i>settlement process</i> is typically at the <i>resource</i> level.
1.2 Scope	Modified	Updated reference to effective date of the Market Renewal Program with defined term.
2.2 Charge Types and Equations	Modified	<p><i>Charge type</i> 102 – TR Clearing Account Credit</p> <ul style="list-style-type: none"> <li>• 'Where' clauses updated to align with MR Ch.9 s.4.9</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 104 – Transmission Rights Settlement Credit</p> <ul style="list-style-type: none"> <li>• added statement with effectivity of equation;</li> <li>• DAM_PEC with superscript 'i' was being used in this equation to mean something different than the more common usage of this same variable elsewhere. Added additional superscript z, to better distinguish;</li> <li>• Similar change was made to variable QTR, for consistency with the new DAM_PEC variable;</li> <li>• Deleted meaning of 'i' and 'j' from 'Where' clause as it is clear from the definitions of DAM_PEC, and therefore these where clauses were determined to be redundant.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 119 – Station Service Reimbursement Credit</p> <ul style="list-style-type: none"> <li>• added statement to clarify 'MRP updated';</li> <li>• add new MRP <i>charge type</i> 1941</li> <li>• moved <i>charge types</i> 1982 and 1986 from 'C2' non-hourly monthly to 'C3' daily</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 168 – TR Market Shortfall Debit

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>'Where' clauses updated to align with MR Ch.9 s.6.16.6.3.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 186 – Intertie Failure Charge Uplift</p> <ul style="list-style-type: none"> <li>added statement to clarify 'MRP updated'.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 206 – 10-Minute Spinning Non-Accessibility Settlement Amount</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation;</li> <li>alignment with MR Ch.9 ss.3.10.6-3.10.16.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 208 – 10-Minute Non-Spinning Non-Accessibility Settlement Amount</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation;</li> <li>added 'Non-' to <i>charge type</i> name as it was missing;</li> <li>alignment with MR Ch.9 ss.3.10.6-3.10.16.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 210 – 30-Minute Non-Accessibility Settlement Amount</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation;</li> <li>alignment with MR Ch.9 ss.3.10.6-3.10.16.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 250 – 10-Minute Spinning Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>added statement to clarify 'MRP updated'.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 252 – 10-Minute Non-Spinning Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>added statement to clarify 'MRP updated'.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 254 – 30 Minute Operating Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>added statement to clarify 'MRP updated'.</li> </ul>

Market Manual Section	Type of Change	Description
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1101 – Real-Time Energy Settlement Amount for Generators <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1103 – Real-Time Energy Settlement Amount for Dispatchable Loads <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1104 – Day-Ahead Market Energy Settlement Amount for Price Responsive Loads <ul style="list-style-type: none"> <li>'Where' clauses updated to align with MR Ch.9 s.3.1.1.4.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1105 – Real-Time Energy Settlement Amount for Price Responsive Loads <ul style="list-style-type: none"> <li>'Where' clauses updated to align with MR Ch.9 s.3.1.1.4.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1111 – Real-Time Energy Settlement Amount for Imports <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1113 – Real-Time Energy Settlement Amount for Exports <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<i>Charge type</i> 1115 – Non-Dispatchable Load Energy Settlement Amount <ul style="list-style-type: none"> <li>added statement with effectivity of equation;</li> <li>updated references from LFDC to LFDA;</li> <li>'Where' clause updated to align with MR Ch.9 s.3.2.1.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1138 – Fuel Cost Compensation Credit <ul style="list-style-type: none"> <li>added reference to Online Settlement form.</li> </ul>

Market Manual Section	Type of Change	Description
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1188 – Fuel Cost Compensation Credit Uplift</p> <ul style="list-style-type: none"> <li>removed reference 'updated' under <i>charge type</i> number.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1315 – Capacity Obligation – Availability Charge</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 1320 – Capacity Obligation – Dispatch Test Payment and Emergency Activation Payment</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation;</li> <li>alignment with MR Ch.9 s.4.13.11.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1800 – Day-Ahead Market Make-Whole Payment - Energy</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.4.7-3.4.15.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1801 – Day-Ahead Market Make-Whole Payment – 10-Minute Spinning Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.4.7-3.4.15.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1802 – Day-Ahead Market Make-Whole Payment – 10-Minute Non-Spinning Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.4.7-3.4.15.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1803 – Day-Ahead Market Make-Whole Payment – 30-Minute Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.4.7-3.4.15.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1804 – Day-Ahead Market Generator Offer Guarantee – Energy</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.4.6, 4.4.15 and 4.4.22.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1805 – Day-Ahead Market Generator Offer Guarantee – Operating Reserve</p>



Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.4.7, 4.4.16 and 4.4.23.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1806 – Day-Ahead Market Generator Offer Guarantee – Over Midnight</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.4.8, 4.4.17 and 4.4.24.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1807 – Day-Ahead Market Generator Offer Guarantee – Start-up</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.4.9, 4.4.18 and 4.4.25.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1808 – Day-Ahead Market Generator Offer Guarantee – DAM Make-Whole Payment Offset</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.4.11, 4.4.20 and 4.4.26.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 1851 – Day-Ahead Market Reliability Scheduling Uplift</p> <ul style="list-style-type: none"> <li>removed equation for virtual transactions to sell and included under new <i>charge type</i> 1852 as the portion of the DRSU that is allocated to virtual transactions to sell is not subject to GST/HST;</li> <li>alignment with MR Ch.9 s.4.14.4.</li> </ul>
2.2 Charge Types and Equations	New	<p><i>Charge type</i> 1852 – Day-Ahead Market Reliability Scheduling Uplift – Virtual Transactions to Sell</p> <ul style="list-style-type: none"> <li>new <i>charge type</i> for the portion of the DRSU that is allocated to virtual transactions to sell.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1900 – Real-Time Make-Whole Payment – Lost Cost for Energy</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6-3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1901 – Real-Time Make-Whole Payment – Lost Cost for 10-Minute Spinning Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6-3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1902 – Real-Time Make-Whole Payment – Lost Cost for 10-Minute Non-Spinning Reserve</p>

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6-3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1903 – Real-Time Make-Whole Payment – Lost Cost for 30-Minute Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6- 3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1904 – Real-Time Make-Whole Payment – Lost Opportunity Cost for Energy</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6-3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1905 – Real-Time Make-Whole Payment – Lost Opportunity Cost for 10-Minute Spinning Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6-3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1906 – Real-Time Make-Whole Payment – Lost Opportunity Cost for 10-Minute Non-Spinning Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6-3.5.10.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1907 – Real-Time Make-Whole Payment – Lost Opportunity Cost for 30-Minute Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.5.6- 3.5.10.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 1908 – Real-Time Make-Whole Payment – Operating Reserve Non-Accessibility Lost Cost Reversal</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.10.18, 3.10.21 and 3.10.24.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 1909 – Real-Time Make-Whole Payment – Operating Reserve Non-Accessibility Lost Opportunity Cost Reversal</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.10.19, 3.10.22 and 3.10.25.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1910 – Real-Time Generator Offer Guarantee – Energy</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.5.6, 4.5.15 and 4.5.22.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1911 – Real-Time Generator Offer Guarantee – Operating Reserve</p>

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.5.7, 4.5.16 and 4.5.23.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1912 – Real-Time Generator Offer Guarantee – Over Midnight <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.5.8, 4.5.17 and 4.5.24.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1913 – Real-Time Generator Offer Guarantee – Start-up <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.5.9, 4.5.18 and 4.5.25.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1914 – Real-Time Generator Offer Guarantee – RT Make-Whole Payment Offset <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.5.11, 4.5.20 and 4.5.26.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<i>Charge type</i> 1915 – Real-Time Generator Offer Guarantee - Operating Reserve Non-Accessibility Reversal <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.3.10.26-3.10.34.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1917 – Real-Time Ramp-Down Settlement Amount <ul style="list-style-type: none"> <li>alignment with MR Ch.9 s.4.6.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1920 – Generator Failure Charge – Market Price Component <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.10.5, 4.10.8 and 4.10.9.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1921 – Generator Failure Charge – Guarantee Cost Component <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.4.10.6, 4.10.10 and 4.10.11.</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1932 – Mitigation Amount for Physical Withholding – Energy <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.4.1-5.41.1.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<i>Charge type</i> 1933 – Mitigation Amount for Physical Withholding – 10S Operating Reserve

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.4.1.1 and 5.4.1.2.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 1934 – Mitigation Amount for Physical Withholding – 10N Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.4.1.1 and 5.4.1.2.</li> </ul>
2.2 Charge Types and Equations	Modified Editorial	<p><i>Charge type</i> 1935 – Mitigation Amount for Physical Withholding – 30R Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.4.1.1 and 5.4.1.2.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1936 – Mitigation Amount for Intertie Economic Withholding – Energy</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.5.1 and 5.5.1.1.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1937 – Mitigation Amount for Intertie Economic Withholding – 10N Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.5.1 and 5.5.1.3.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1938 – Mitigation Amount for Intertie Economic Withholding – 30R Operating Reserve</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.5.1 and 5.5.1.3.</li> </ul>
2.2 Charge Types and Equations	Editorial	<p><i>Charge type</i> 1939 – Mitigation Amount for Intertie Economic Withholding – Make-Whole Payment</p> <ul style="list-style-type: none"> <li>alignment with MR Ch.9 ss.5.5.1 and 5.5.1.2.</li> </ul>
2.2 Charge Types and Equations	New	<p><i>Charge type</i> 1940 – Reference Level and Reference Quantity Independent Review Process Settlement Amount</p> <ul style="list-style-type: none"> <li>new <i>charge type</i> to settle the Independent Review Process</li> </ul>
2.2 Charge Types and Equations	New	<p><i>Charge type</i> 1941 – Reference Level and Reference Quantity Independent Review Process Recovery Amount (Market)</p>

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>new <i>charge type</i> to <i>settle</i> the Independent Review Process</li> </ul>
2.2 Charge Types and Equations	Modified	<i>Charge type</i> 1982 – Mitigation Amount for Physical Withholding Uplift <ul style="list-style-type: none"> <li>updated <i>settlement</i> resolution from monthly to daily</li> </ul>
2.2 Charge Types and Equations	Editorial	<i>Charge type</i> 1986 – Mitigation Amount for Intertie Economic Withholding Uplift <ul style="list-style-type: none"> <li>alignment with MR Ch.9 s.4.14.10</li> <li>updated <i>settlement</i> resolution from monthly to daily</li> </ul>
2.3 Rounding Conventions – by Charge Type	Modified	<i>Charge type</i> 1851 – Day-Ahead Market Reliability Scheduling Uplift <ul style="list-style-type: none"> <li>update to rounding</li> </ul>
2.3 Rounding Conventions – by Charge Type	New	<i>Charge type</i> 1852 – Day-Ahead Market Reliability Scheduling Uplift – Virtual Transactions to Sell <ul style="list-style-type: none"> <li>added rounding convention</li> </ul>
2.4.1 Market Price of Energy Applied to Location of Physical Bilateral Contracts	Modified	Table 2-8 updated: <ul style="list-style-type: none"> <li>removed row for <i>charge type</i> 1114 – Non-Dispatchable Generator Energy Settlement Amount as <i>charge type</i> has been retired under MRP.</li> </ul>
2.4.3 Allocation of Hourly Uplift Components Between Buying and Selling Market Participants	Modified	Table 2-13 updated: <ul style="list-style-type: none"> <li><i>charge types</i> included in the Intertie Failure Charge Rebate (IFCR) hourly uplift component group.</li> </ul>
3 Inactive IESO Charge Types and Equations	Modified	Updated reference to effective date of the Market Renewal Program with defined term.
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 104 – Transmission Rights Settlement Credit <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 119 – Station Service Reimbursement Credit

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Only the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 186 – Intertie Failure Charge Rebate</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 206 – 10-Minute spinning non-Accessibility Settlement Amount</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 208 – 10-Minute non-Spinning non-Accessibility Settlement Amount</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 210 – 30-Minute non-Accessibility Settlement Amount</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 250 – 10 Minute Spinning Market Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 252 – 10 Minute Non-spinning Market Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 254 – 30 Minute Operating Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>

Market Manual Section	Type of Change	Description
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1101 – Real-Time Energy Settlement Amount for Dispatchable Generators <ul style="list-style-type: none"> <li>added statement with effectivity of equation;</li> <li>added 'name change'.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1103 – Real-Time Energy Settlement Amount for Dispatchable Loads <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1111 – Real-Time Energy Settlement Amount for Imports <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1113 – Real-Time Energy Settlement Amount for Exports <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1115 – Real-Time Energy Settlement Amount for Non-Dispatchable Loads <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1138 – Day-Ahead Fuel Cost Compensation Credit <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change only under MRP.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1188 – Day-Ahead Fuel Cost Compensation Debit <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change only under MRP.</li> </ul>
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<i>Charge type</i> 1315 – Capacity Obligation – Availability Charge <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>

Market Manual Section	Type of Change	Description
3.2.1 Inactive – Physical Market Charge Types and Equations	Editorial	<p><i>Charge type</i> 1320 – Capacity Obligation – Dispatch Test Payment and Emergency Activation Payment</p> <ul style="list-style-type: none"> <li>added statement with effectivity of equation.</li> </ul>
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 119 – Station Service Reimbursement Credit</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Only the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 186 – Intertie Failure Charge Rebate</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 250 – 10 Minute Spinning Market Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 252 – 10 Minute Non-spinning Market Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 254 – 30 Minute Operating Reserve Hourly Uplift</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change under MRP and the set of <i>charge types</i> 'c' has been updated.</li> </ul>
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 1138 – Day-Ahead Fuel Cost Compensation Credit</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change only under MRP.</li> </ul>



Market Manual Section	Type of Change	Description
3.4 Rounding Conventions – by Charge Type	Editorial	<p><i>Charge type</i> 1188 – Day-Ahead Fuel Cost Compensation Debit</p> <ul style="list-style-type: none"> <li>removed from this section as <i>charge type</i> is active under MRP. Name change only under MRP.</li> </ul>

## Market Manual 7: System Operations

### Market Manual Part 7.1: IESO-Controlled Grid Operating Procedures

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Load shedding when it occurs, will apply to both <i>non-dispatchable loads</i> and the new load participation type of <i>price responsive loads</i>. Edits have been made to clarify the applicability of load shedding to <i>price responsive loads</i>.</p> <p>Minor editorial changes throughout.</p> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the “0 Series” <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
2.1.2	Modified	<p>Correction made to <i>market rule</i> cross reference.</p> <p>This change was made in response to internal feedback.</p>
Table 10-1	Modified	<p>The <i>IESO</i> tool permits the replacement of the peak demand forecast with the average demand forecast, but not the non-dispatchable demand forecast as previously stated.</p> <p>Pre-dispatch schedule is modified so as to refer to the defined term in its entirety.</p>

Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback.
Appendix B	Modified	<p>Removed reference to the defined term <i>curtailment</i>, as in this context it is not correct.</p> <p>Included reference to defined term <i>ten-minute operating reserve</i>.</p> <p>This change was made in response to internal feedback.</p>

## Market Manual Part 7.2: Near-Term Assessments and Reports

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Corrected references to defined terms.</li> </ul> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
3.1.1	Modified	<p>Modified reference to be more specific on timing and for greater consistency with the approach in the <i>market rules</i>.</p> <p>Corrected reference to defined term the <i>day-ahead schedule</i>.</p> <p>This change was made in response to internal feedback.</p>
5.2	Modified	<p>Corrected reference to refer to the <i>resource</i> and not the <i>market participant</i> class.</p> <p>This change was made in response to internal feedback.</p>

Market Manual Section	Type of Change	Description
Appendix B	Modified	<p>Corrected cross-references to refer to the resource and not the market participant class.</p> <p>This change was made in response to internal feedback.</p>

### Market Manual Part 7.3: Outage Management

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Corrected references to defined terms.</li> </ul> <p>This change was made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
5.1.3	Modification	<p>Modifications are made to the commissioning process to provide greater clarity on the requirement for <i>market participants</i> to have an up to date commissioning test plan, and require them to update their <i>dispatch data</i> and <i>outage</i> information to be consistent with that plan.</p>
5.1.4.1	Modification	<p>Amount is replaced with quantity to be more specific.</p>
Appendix A	Modification	<p>As storage <i>resources</i> registered to withdraw are treated by the outage system as loads, there is no need to report on <i>outages</i> that result in changes of less than 20MW in demand in an hour from typical. This is added to the appendix with additional clarity also added to the injections of storage.</p>

### Market Manual Part 7.4: IESO-Controlled Grid Operating Policies

Market Manual Section	Type of Change	Description
Throughout	Modified	Load shedding when it occurs, will apply to both <i>non-dispatchable loads</i> and the new load participation type of <i>price responsive loads</i> . Edits have been made to clarify the applicability of load shedding to <i>price responsive loads</i> .
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
2.4.2	Addition	<p>Included demand from <i>price responsive loads</i> as needing to be met in a <i>normal operating state</i>.</p> <p>This change was made in response to internal feedback.</p>
2.4.5	Addition	<p>In an <i>emergency operating state</i>, interruption of <i>price responsive loads</i> may occur along with <i>non-dispatchable loads</i>.</p> <p>This change was made in response to internal feedback.</p>
Appendix B.1	Addition	<p><i>Price responsive load</i> is included along with <i>non-dispatchable load</i>.</p> <p>This change was made in response to internal feedback.</p>

## Market Manual 12: Capacity Auctions

### Market Manual Part 12: Capacity Auctions

Market Manual Section	Type of Change	Description
Throughout	Modified	<p>Modified the following:</p> <ul style="list-style-type: none"> <li>Revised <i>market rule</i> cross-references to new convention;</li> <li>Corrected references to defined terms;</li> <li>Corrected typographical errors;</li> </ul>

Market Manual Section	Type of Change	Description
		<ul style="list-style-type: none"> <li>Replaced "commitment period" with new revised defined term "<i>capacity auction commitment period</i>"; and</li> <li>Replaced "<i>resource</i>" with "<i>capacity auction resource</i>", where applicable.</li> </ul> <p>These changes were made in response to internal feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
3.2	Modified	Replaced "load" with the defined term " <i>wholesale consumer</i> "
Table 3-2	Modified	Updated the variable in the available de-rating factor calculation to align with the variable specified in the applicable <i>market rule</i> .
5.2	Modified	Clarified that neither a <i>dispatchable load</i> or <i>price responsive load</i> may be registered as a <i>demand response contributor</i> .
5.3.5.2	Modified	<p>Clarified that <i>capacity auction dispatch test</i> for <i>quick start resources</i> and storage <i>resources</i> will receive notice of the test "up to" one hour prior.</p> <p>Clarified that <i>capacity auction dispatch test</i> for <i>non-quick start resources</i> and will receive "day-ahead notification".</p>

## Market Manual 14: Market Power Mitigation

### Market Manual Part 14.1: Market Power Mitigation Procedures

Market Manual Section	Type of Change	Description
Cover and Document Change History	Editorial	<p>Updated issue number and date.</p> <p>This content was updated in response to internal feedback.</p>
Throughout	Editorial	Updated and added <i>market rules</i> references across the <i>market manual</i> .

Market Manual Section	Type of Change	Description
Throughout	Editorial	<p>Made editorial updates related to grammatical improvements such as expanding acronyms, adding hyphens and more.</p> <p>These changes were made in response to internal stakeholder feedback.</p>
Market Transition	New	<p>Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i>.</p> <p>This change was made in response to internal feedback.</p>
2.2.1	Addition	<p>Content was added to this section to clarify how <i>narrow constrained areas</i> (NCAs) will be designated if data points are missing in the study period.</p> <p>This change was made in response to internal stakeholder feedback received during solution development.</p>
2.2.1	Modification	<p>This section was updated to remove <i>non-dispatchable generation resources</i> and <i>dispatchable loads</i> from the NCA report. <i>Non-dispatchable generation resources</i> are not tested for market power mitigation and so it is appropriate that they are not part of designated NCAs. This change also ensured alignment in regards to ad-hoc updates of NCA designations (Chapter 7, s.22.10.2.3). These changes may be carried out to remove resources from an NCA that no longer require reference levels. <i>Dispatchable loads</i> were removed from the NCA report as they do not supply <i>energy</i> and thus are not affected by NCAs.</p> <p>This change was made in response to internal stakeholder feedback.</p>
3.1	Addition	<p>Content was added to this section to clarify how uncompetitive <i>intertie zones</i> will be designated if data points are missing in the study period.</p>

Market Manual Section	Type of Change	Description
		This change was made in response to internal stakeholder feedback received during solution development.
5.2	Editorial	<p>This section was updated to move the word "in" from its previous position and place it before "the <i>day-ahead market</i>".</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
5.6.2	Modification	<p>Modified the approach used to create the combined <i>offer-reference level</i> curve to clarify that the <i>IESO</i> will use the <i>offer</i> that was used to create schedules and prices rather than the submitted <i>offer</i>. Absent this change, the price impact test for <i>physical withholding</i> could fail when it should instead pass.</p> <p>This change was made due to internal stakeholder feedback.</p>
5.6.3	Modification	<p>This section was updated to clarify that for <i>operating reserve</i>, the conditions in section 5.6.3 b. ii should only be assessed if the conditions in section 5.6.3 b. i. are not met for any <i>dispatch hours</i>. It was also updated to clarify that the condition in section 5.6.3 b. i. should be assessed without regard to assessment of conditions in 5.6.3 a.</p> <p>These clarifications were made in response to internal feedback.</p>
5.6.3	Modification	<p>This section was updated to add the words "for the <i>resource</i>" to provide additional clarity.</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>

## Market Manual Part 14.2: Reference Level and Reference Quantity Procedures

Market Manual Section	Type of Change	Description
Cover and Document Change History	Editorial	Updated issue number and date.  This content was updated in response to internal feedback.
Throughout	Editorial	Updated and added <i>market rules</i> references across the <i>market manual</i> .
Throughout	Editorial	Made general editorial updates, such as expanding acronyms and adding hyphens.  These changes were made in response to internal stakeholder feedback.
Market Transition	New	Inserted new section A to specify the scope and operation of the "0 Series" <i>market rules</i> and <i>market manuals</i> .  This change was made in response to internal feedback.
3.2	Modification	This section was updated to clarify how the <i>IESO</i> will: (i) treat supporting documentation for an particular eligible cost, but which is not at the <i>resource</i> level; and (ii) evaluate <i>market participant</i> -created supporting documents when a <i>market participant</i> does not have supporting documents for a particular cost.  This section was updated in response to stakeholder feedback from Evolgen provided to the <i>IESO</i> in response to the December 15, 2023 webinar.
3.2	Modification	The language describing the grounds on which the <i>IESO</i> will not accept supporting documentation was updated to provide more clarity. These updates were in part required to align with the changes earlier in this section made in response to Evolgen's feedback from the Dec 15, 2023 MPM webinar.  This section was also updated in part in response to internal feedback.
3.2	Addition	Content in this section was updated to allow <i>market participants</i> to submit screenshots of registered <i>reference levels</i> or <i>reference quantities</i> as supporting documents for <i>reference levels</i> or <i>reference quantities</i> that



Market Manual Section	Type of Change	Description
		<p>are not being changed as the result of a <i>reference level</i> consultation.</p> <p>This new eligible form of supporting documentation will reduce administrative burden on <i>market participants</i> when they are updating <i>reference levels</i> and <i>reference quantities</i>.</p> <p>This section was updated in response to internal feedback.</p>
3.2.1	Addition	<p>Content in this section was updated: (i) to allow an exemption for providing supporting documentation when registering a MGBRT or MLP reference level if the requested reference level is equal to a value that was registered as the MGBRT or MLP for that <i>resource</i> in the past 24 months prior to the request and (ii) to remove the requirement that the requested <i>reference level</i> be identical for the summer and winter values.</p> <p>This update was made in response to internal stakeholder feedback.</p>
3.5.3.1	Editorial	<p>This section was updated by inserting the word "to" after "wishes".</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
4.1, 4.1.1, 4.1.2, 4.2	Modification	<p>The report titles in these sections were updated.</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
4.2	Modification	<p>This section was updated to change the publication time of version 2 of the Day-ahead Market Reference Quantity Values Report from "by 10:00" to "by 19:00" to allow for sufficient processing and report publication tasks to be executed.</p>

Market Manual Section	Type of Change	Description
		This change was made in response to internal feedback received during solution development.
6.4.3.1	Modification	<p>This section was updated to insert the words "of the <i>forebay</i>" to provide clarity regarding use of the intraday opportunity cost by hydroelectric <i>resources</i> that are part of a cascade system.</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the IESO in response to the December 15, 2023 webinar.</p>
6.4.4.3	Editorial	<p>This section was updated to remove a period and merge two sentences into a single sentence.</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the IESO in response to the December 15, 2023 webinar.</p>
6.4.4.3	Editorial	<p>This section was updated to remove a space between the letters of the word "the".</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the IESO in response to the December 15, 2023 webinar.</p>
6.4.4.3	Modification	<p>The content in this section was updated to remove the sentence that begins "The first day of the reference dates" to align with the solution. During solution development, the approach outlined in this sentence was found to be impossible given that the number of days in the month of February is different depending on whether the relevant year is a leap year.</p> <p>This update was made in response to internal feedback received during solution development.</p>
6.4.4.3	Editorial	This section was updated to state that the LMPs are arranged from "lowest to highest" rather than the previous text, which stated that the LMPs are arranged from "highest to lowest".

Market Manual Section	Type of Change	Description
		<p>This update is an editorial change intended to provide additional clarity. The sentence following the updated text remains unchanged and communicates how the value is selected. The method of selecting the value is not changed by this editorial update.</p> <p>This update was made in response to internal feedback received during solution development.</p>
6.4.5	Modification	<p>This section was updated to reflect that <i>market participants</i> can account for real-time <i>energy</i> schedules when assessing whether the conditions are met to submit a request to use the <i>forebay</i> refill opportunity cost in the <i>real-time market</i>.</p> <p>The equation outlining the <i>forebay</i> refill opportunity cost trigger condition in this section was updated to include real-time <i>energy</i> schedules.</p> <p>The text below the equation that explains supporting documentation requirements and one of the examples were also updated to reflect the use of real-time schedule data in assessing trigger conditions.</p> <p>This section was updated in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
6.4.5.2	Editorial	<p>Content in this section was updated to replace an upper case "R" with a lower case "r".</p> <p>This update was made in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
7.1.3.2	Addition	<p>Content was added to this section to explain how the <i>IESO</i> will determine inputs for the primary <i>energy offer reference level</i> for <i>resources</i> that do not have a registered MLP or with hours per start of less than one hour.</p>

Market Manual Section	Type of Change	Description
		This update was made in response to internal stakeholder feedback received during solution development.
7.1.5.1	Modification	<p>The content in this section was updated to reflect the fact that the <i>IESO</i> will not be utilizing an index price for residual fuel oil or ignition oil for thermal <i>resources</i>. Instead, <i>market participants</i> will provide the weighted average cost of fuel to determine the relevant fuel cost when determining <i>reference levels</i> for <i>resources</i> that use these fuels.</p> <p>This change was made in response to internal feedback received during solution development.</p>
7.2.2.1, 7.2.2.2	Addition	<p>Content was added to these sections to account for eligible major and scheduled maintenance costs that are <i>short-run marginal costs</i> associated with incremental supply.</p> <p>This change was made in response to external stakeholder feedback.</p>
7.2.4.1	Editorial	<p>This section was updated to increase the font size from subscript to normal for the letter "h" in "MWh".</p> <p>This update was made in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
7.2.4.4	Editorial	<p>The content in this section was updated to remove the italicization from the word "<i>plus</i>".</p> <p>This update was made in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
7.2.5.2	Modification	<p>This section was updated to change an incorrect reference to "step 3" to correctly refer to "step 2".</p> <p>This update was made in response to stakeholder feedback from OPG provided to</p>

Market Manual Section	Type of Change	Description
		the <i>IESO</i> in response to the December 15, 2023 webinar.
7.6, 7.6.2	Addition	<p>Content was added to these sections to account for eligible transmission and distribution costs that are <i>short-run marginal costs</i> associated with incremental supply of <i>energy</i> by <i>electricity storage resources</i>.</p> <p>The equation for the <i>energy offer reference level</i> was updated to add the new transmission and distribution cost term and a new section 7.6.2 was added that describes how this eligible cost can be determined.</p> <p>These changes were made in response to external stakeholder feedback.</p>
7.10.3	Modification	<p>This section was updated to add clarity that only <i>reference levels</i> that were previously calculated for a particular timeframe will be used in the event of an <i>IESO reference level value</i> calculation tool failure. The <i>IESO</i> will not use real-time <i>reference level values</i> for the <i>day-ahead market</i> or use day-ahead <i>reference level values</i> for the <i>real-time market</i> even in the event of a tool failure. This clarification was made in response to internal feedback received during solution development.</p>
9.2.1	Editorial	<p>The content in this section was updated to remove a space between “%” and “)”. This update was made in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
9.6.2	Editorial	<p>This section was updated to remove underline text formatting from the words “electricity storage”.</p> <p>This update was made in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>
9.8.1	Modification	<p>This section was updated to clarify that only <i>reference quantity values</i> that were previously calculated for a particular timeframe will be used in the event of an</p>

Market Manual Section	Type of Change	Description
		<p><i>IESO reference quantity value</i> calculation tool failure. The <i>IESO</i> will not use real-time <i>reference quantity values</i> for the <i>day-ahead market</i> or use day-ahead <i>reference quantity values</i> for the <i>real-time market</i> even in the event of a tool failure.</p> <p>This clarification was made in response to internal feedback received during solution development.</p>
List of Acronyms	Modification	<p>The list of acronyms was updated to add the acronyms "T-ORFEC" and "H-ORFEC", remove italicization from the acronym "GRC" and to remove an additional space in the row next to the acronym "GRC" that occurred before the first word in the sentence in that row.</p> <p>These updates were made in response to stakeholder feedback from OPG provided to the <i>IESO</i> in response to the December 15, 2023 webinar.</p>